

AGE, SEX, AND SIZE COMPOSITION OF PACIFIC HERRING,
FROM THE KODIAK AREA, ALASKA, 1981-87.

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TABLE OF CONTENTS

	<u>Page</u>
LIST OF TABLES	iv
LIST OF FIGURES	xxxviii
INTRODUCTION	1
METHODS	1
Study Area Description	1
Sampling Techniques	1
RESULTS	2
LITERATURE CITED	3

LIST OF TABLES

<u>Table</u>	<u>Page</u>
1. Kodiak area Pacific herring commercial fishing statistical areas	4
2. Age-Weight-Length data file format	6
3. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1987	7
4. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Raspberry Straits, statistical area A010, 1987	8
5. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1987	9
6. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1987	10
7. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Foul Bay, statistical area A032, 1987	11
8. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Foul Bay, statistical area A032, 1987	12
9. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1987	13
10. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Seal Bay, statistical area A072, 1987	14
11. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Izhut Bay, statistical area A090, 1987	15
12. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1987	16
13. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Danger Bay, statistical area A100, 1987	17

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
14. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1987	18
15. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Litnik Bay, statistical area A101, 1987	19
16. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1987	20
17. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kupreanof Straits, statistical area UG10, 1987	21
18. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1987	22
19. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1987	23
20. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Terror Bay, statistical area UG21, 1987	24
21. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Islands, statistical area UG30, 1987	25
22. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Village Islands, statistical area UG30, 1987	26
23. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1987	27
24. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1987	28
25. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1987	29

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
26. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1987	30
27. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1987	31
28. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1987	32
29. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1987	33
30. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1987	34
31. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1987	35
32. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1987	36
33. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Barling Bay, statistical area G021, 1987	37
34. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1987	38
35. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tanginak Anchorage, statistical area G023, 1987	39
36. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kiliuda Bay, statistical area G041, 1987	40
37. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Shearwater Bay, statistical area G042, 1987	41

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
38. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Outer Ugak Bay, statistical area G050, 1987	42
39. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1987	43
40. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Womens Bay, statistical area G060, 1987	44
41. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1987	45
42. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kalsin Bay, statistical area G100, 1987	46
43. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Middle Bay, statistical area G101, 1987	47
44. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1987	48
45. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Deadman Bay, statistical area AL21, 1987	49
46. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1987	50
47. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1987	51
48. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1987	52
49. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1987	53

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
50. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kinak Bay, statistical area M040, 1987	54
51. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1987	55
52. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1986	56
53. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Muskomee Bay, statistical area A010, 1986	58
54. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Muskomee Bay, statistical area A010, 1986	59
55. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1986	60
56. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Malina Bay, statistical area A020, 1986	61
57. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1986	62
58. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Foul Bay, statistical area A032, 1986	63
59. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1986	64
60. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tonki Bay (Long), statistical area A080, 1986	65
61. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Izhut Bay, statistical area A090, 1986	66

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
62. Age, sex, and size composition of Pacific herring captured by commercial seine (post season sample) in Kitoi Bay, statistical area A091, 1986	67
63. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1986	68
64. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Danger Bay, statistical area A100, 1986	69
65. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1986	70
66. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1986	71
67. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Onion Bay, statistical area UG10, 1986	72
68. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viekodá Bay, statistical area UG20, 1986	73
69. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Terror Bay, statistical area UG21, 1986	74
70. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Village Islands, statistical area UG30, 1986	75
71. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1986	76
72. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1986	77
73. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Passage, statistical area UG32, 1986	78

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
74. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1986	79
75. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1986	80
76. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1986	81
77. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1986	82
78. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1986	83
79. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1986	84
80. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1986	85
81. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1986	86
82. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Port Otto, statistical area G020, 1986	87
83. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ameer Bay, statistical area G022, 1986	88
84. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1986	89
85. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tanginak Anchorage, statistical area G023, 1986	90

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
86. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1986	91
87. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Womens Bay, statistical area G060, 1986	92
88. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1986	93
89. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1986	94
90. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1986	95
91. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Middle Bay, statistical area G101, 1986	96
92. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1986	97
93. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Deadman Bay, statistical area AL21, 1986	98
94. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1986	99
95. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Sulua Bay, statistical area AL30, 1986	100
96. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1986	101
97. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1986	103

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
98. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1986	104
99. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1986	105
100. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1986	106
101. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1985	107
102. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Raspberry Strait, statistical area A010, 1985	109
103. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry Strait, statistical area A010, 1985	110
104. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1985	111
105. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1985	112
106. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Foul Bay, statistical area A032, 1985	113
107. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Perenosa Bay, statistical area A070, 1985	114
108. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tonki Bay, statistical area A080, 1985	115
109. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Izhut Bay, statistical area A090, 1985	116

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
110. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kitoi Bay, statistical area A091, 1985	117
111. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1985	118
112. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1985	119
113. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Danger Bay, statistical area A100, 1985	120
114. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Litnik Bay, statistical area A101, 1985	121
115. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1985	122
116. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1985	123
117. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1985	124
118. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Terror Bay, statistical area UG21, 1985	125
119. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Islands, statistical area UG30, 1985	126
120. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Village Islands, statistical area UG30, 1985	127
121. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1985	128

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
122. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1985	129
123. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1985	130
124. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1985	131
125. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1985	132
126. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1985	133
127. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1985	134
128. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1985	135
129. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1985	136
130. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Barling Bay, statistical area G021, 1985	138
131. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ameer Bay, statistical area G022, 1985	139
132. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1985	140
133. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Shearwater Bay, statistical area G042, 1985	141

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
134. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Ugak Bay, statistical area G051, 1985	142
135. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1985	143
136. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Womens Bay, statistical area G060, 1985	144
137. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Monashka Bay, statistical area G070, 1985	145
138. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1985	146
139. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1985	147
140. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Middle Bay, statistical area G101, 1985	148
141. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1985	149
142. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Inner Alitak Bay, statistical area AL20, 1985	150
143. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Deadman Bay, statistical area AL21, 1985	151
144. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Deadman Bay, statistical area AL21, 1985	152
145. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1985	153

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
146. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Sulua Bay, statistical area AL30, 1985	154
147. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1985	155
148. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Upper Olga Bay, statistical area AL50, 1985	156
149. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Jap Bay, statistical area AL60, 1985	157
150. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Mainland District, 1985	158
151. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kukak Bay, statistical area M020, 1985	159
152. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kukak Bay, statistical area M020, 1985	160
153. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kashvick Bay, statistical area M050, 1985	161
154. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Alinchak Bay, statistical area M070, 1985	162
155. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Wide Bay, statistical area M110, 1985	163
156. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1984	164
157. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Raspberry Strait, statistical area A010, 1984	165

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
158. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry Strait, statistical area A010, 1984	166
159. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1984	167
160. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1984	168
161. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Foul Bay, statistical area A032, 1984	169
162. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1984	170
163. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Perenosa Bay, statistical area A070, 1984	171
164. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tonki Bay, statistical area A080, 1984	172
165. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Izhut Bay, statistical area A090, 1984	173
166. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Izhut Bay, statistical area A090, 1984	174
167. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kitoi Bay, statistical area A091, 1984	175
168. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1984	176
169. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1984	177

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
170. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1984	178
171. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1984	179
172. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Danger Bay, statistical area A100, 1984	180
173. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Litnik Bay, statistical area A101, 1984	181
174. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Litnik Bay, statistical area A101, 1984	182
175. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uganik District, 1984	183
176. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1984	184
177. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1984	185
178. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Terror Bay, statistical area UG21, 1984	186
179. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Village Island, statistical area UG30, 1984	187
180. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Village Islands, statistical area UG30, 1984	188
181. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in W. Uganik Passage, statistical area UG31, 1984	189

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
182. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1984	190
183. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1984	191
184. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1984	192
185. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1984	193
186. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1984	194
187. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1984	195
188. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1984	196
189. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1984	197
190. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1984	198
191. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1984	199
192. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Sitkakidak Straits, statistical area G022, 1984	200
193. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tanginak Anchorage, statistical area G023, 1984	201

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
194. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Ugak Bay, statistical area G051, 1984	202
195. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1984	203
196. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1984	204
197. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1984	205
198. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sheratin Bay, statistical area G081, 1984	206
199. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1984	207
200. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1984	208
201. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kalsin Bay, statistical area G100, 1984	209
202. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kalsin Bay, statistical area G100, 1984	210
203. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Inner Chiniak Bay, statistical area G102, 1984	211
204. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1984	212
205. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Inner Alitak Bay, statistical area AL20, 1984	213

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
206. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Deadman Bay, statistical area AL21, 1984	214
207. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1984	215
208. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Sulua Bay, statistical area AL30, 1984	216
209. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1984	217
210. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Upper Olga Bay, statistical area AL50, 1984	218
211. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1984	219
212. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1984	220
213. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1984	221
214. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1984	222
215. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Wide Bay, statistical area M110, 1984	223
216. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1983	224
217. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry Straits, statistical area A010, 1983	225

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
218. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1983	226
219. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1983	227
220. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1983	228
221. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Blue Fox Bay, statistical area A040, 1983	229
222. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Pauls Bay, statistical area A070, 1983	230
223. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Red Fox Bay, statistical area A070, 1983	231
224. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kitoi Bay, statistical area A080, 1983	232
225. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Kitoi Bay, statistical area A080, 1983	233
226. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Danger Bay, statistical area A100, 1983	234
227. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1983	235
228. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1983	236
229. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Litnik Bay, statistical area A101, 1983	237

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
230. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1983	238
231. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Onion Bay, statistical area UG10, 1983	239
232. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1983	240
233. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Is., statistical area UG30, 1983	241
234. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in E. Uganik Passage, statistical area UG30, 1983	242
235. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in N.E. Arm Uganik Bay, statistical area UG32, 1983	243
236. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in S. Arm Uganik Bay, statistical area UG34, 1983	244
237. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1983	245
238. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1983	246
239. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1983	247
240. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Larsen Bay, statistical area UY31, 1983	248
241. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1983	249

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
242. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1983	250
243. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1983	251
244. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1983	252
245. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1983	253
246. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Old Harbor, statistical area G020, 1983	254
247. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Barling Bay, statistical area G021, 1983	255
248. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ameer Bay, statistical area G022, 1983	256
249. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1983	257
250. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tanginak Anchorage, statistical area G023, 1983	258
251. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kiliuda Bay, statistical area G040, 1983	359
252. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Shearwater Bay, statistical area G042, 1983	260
253. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ugak Bay, statistical areas G050-51, 1983	261

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
254. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Womens Bay, statistical area G060, 1983	262
255. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1983	263
256. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1983	264
257. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1983	265
258. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Sheratin Bay, statistical area G081, 1983	266
259. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Sheratin Bay, statistical area G081, 1983	267
260. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1983	268
261. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kalsin Bay, statistical area G100, 1983	269
262. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1983	270
263. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Outer Alitak Bay, statistical area AL10, 1983	271
264. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1983	272
265. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1983	273

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
266. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Sulua Bay, statistical area AL30, 1983	274
267. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1983	275
268. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1983	276
269. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1983	277
270. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1983	278
271. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1983	279
272. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1983	280
273. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1983	281
274. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1982	282
275. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Selief Bay, statistical area A010, 1982	283
276. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Silief Bay, statistical area A010, 1982	284
277. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the sac-roë fishery in Raspberry Straits, statistical area A010, 1982	285

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
278. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1982	286
279. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Malina Bay, statistical area A020, 1982	287
280. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1982	288
281. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1982	289
282. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1982	290
283. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1982	291
284. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Pauls Bay, statistical area A070, 1982	292
285. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ruth Bay, statistical area A090, 1982	294
286. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1982	295
287. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1982	296
288. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Danger Bay, statistical area A100, 1982	297
289. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1982	298

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
290. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viëkoda Bay, statistical area UG20, 1982	299
291. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Terror Bay, statistical area UG31, 1982	300
292. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Is., statistical area UG30, 1982	301
293. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1982	302
294. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1982	303
295. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1982	304
296. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1982	305
297. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1982	306
298. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1982	307
299. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1982	308
300. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1982	309
301. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1982	310

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
302. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ameer Bay, statistical area G022, 1982	311
303. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1982	312
304. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Ugak Bay, statistical areas G050-51, 1982	313
305. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Womens Bay, statistical area G060, 1982	314
306. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roë fishery in Womens Bay, statistical area G060, 1982	315
307. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1982	316
308. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1982	317
309. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1982	318
310. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kalsin Bay, statistical area G100, 1982	319
311. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Kalsin Bay, statistical area G100, 1982	320
312. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1982	321
313. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1982	322

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
314. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Deadman Bay, statistical area AL21, 1982	323
315. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1982	324
316. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1982	325
317. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1982	326
318. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1982	327
319. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1982	328
320. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1982	329
321. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1982	330
322. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1981	331
323. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry Straits, statistical area A010, 1981	332
324. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Malina Bay, statistical area A020, 1981	333
325. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Malina Bay, statistical area A020, 1981	334

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
326. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Malina Bay, statistical area A020, 1981	335
327. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Paramanof Bay, statistical area A031, 1981	336
328. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Paramanof Bay, statistical area A031, 1981	337
329. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Paramanof Bay, statistical area A031, 1981	338
330. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Paramanof Bay, statistical area A031, 1981	340
331. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Foul Bay, statistical area A032, 1981	341
332. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Foul Bay, statistical area A032, 1981	342
333. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Devils Inlet, statistical area A040, 1981	343
334. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Phoenix Bay, statistical area A070, 1981	344
335. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Waterfall Bay, statistical area A071, 1981	345
336. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Little Waterfall Bay, statistical area A071, 1981	346
337. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Kitoi Bay, statistical area A091, 1981	347

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
338. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1981	348
339. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1981	349
340. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1981	350
341. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Danger Bay, statistical area A100, 1981	351
342. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roë fishery in Mary Anderson Cove, statistical area A100, 1981	352
343. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roë fishery in Litnik Bay, statistical area A101, 1981	353
344. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1981	354
345. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1981	355
346. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Terror Bay, statistical area UG21, 1981	356
347. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Terror Bay, statistical area UG21, 1981	357
348. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Uganik Bay, statistical areas UG30-34, 1981	358
349. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1981	359

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
350. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in S. Arm Uganik Bay, statistical area UG34, 1981	360
351. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uyak District, 1981	361
352. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Uyak Bay, statistical area UY30, 1981	362
353. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1981	363
354. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1981	364
355. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Zachar Bay, statistical area UY40, 1981	365
356. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Zachar Bay, statistical area UY40, 1981	366
357. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1981	368
358. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1981	369
358. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1981	370
360. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1981	372
361. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Barling Bay, statistical area G021, 1981	373

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
362. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Ameer Bay, statistical area G022, 1981	374
363. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Ameer Bay, statistical area G022, 1981	375
364. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Ugak Bay, statistical areas G050-51, 1981	376
365. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Inner Ugak Bay, statistical area G051, 1981	377
366. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1981	378
367. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Womens Bay, statistical area G060, 1981	379
368. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1981	380
369. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1981	381
370. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1981	382
371. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Outer Alitak Bay, statistical area AL10, 1981	383
372. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1981	384
373. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Deadman Bay, statistical area AL21, 1981	385

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
374. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sulua Bay, statistical area AL30, 1981	386
375. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1981	387
376. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1981	388
377. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1981	389
378. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1981	390
379. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1981	391
380. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kukak Bay, statistical area M020, 1981	392
381. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Halferdy Bay, statistical area M040, 1981	393
382. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1981	394
383. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1981	395
384. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1981	396
385. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Raspberry Straits, statistical area A010, 1985	397

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
386. Age, sex, and size composition of Pacific herring captured by ADF&G trawl during the food/bait fishery in Malina Bay, statistical area A020, 1985	398
387. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Kupreanof Straits, statistical area UG10, 1985	399
388. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Spiridon Bay, statistical area UY50, 1985	400
389. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Outer Alitak Bay, statistical area AL20, 1985	401
390. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Deadman Bay, statistical area AL21, 1985	402
391. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Shelikof Straits, statistical area A050, 1985	403
392. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Uganik Bay, statistical area UG40, 1985	404
393. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Viekoda Bay, statistical area UG20, 1984	405
394. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Terror Bay, statistical area UG21, 1984	406
395. Age, sex, and size composition of Pacific herring captured by commercial gill net during the food/bait fishery in Kupreanof Straits, statistical area UG10, 1983	407
396. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Mary Anderson Cove, statistical area A100, 1983	408
397. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Uyak Bay, statistical area UY30, 1983	409

LIST OF TABLES (CONTINUED)

<u>Table</u>	<u>Page</u>
398. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Spiridon Bay, statistical area UY50, 1983	410
399. Age, sex, and size composition of Pacific herring captured by commercial gill net during the food/bait fishery in Zachar Bay, statistical area UY40, 1982	411
400. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the food/bait fishery in Pauls Bay, statistical area A070, 1981	412
401. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the food/bait fishery in Kitoi Bay, statistical area A090, 1981	413

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1.	Kodiak area Pacific herring commercial fishing districts and statistical areas, 1985-87	414
2.	Kodiak area Pacific herring commercial fishing statistical areas, 1960-80	415
3.	Kodiak area Pacific herring commercial fishing districts and statistical areas, 1981-84	416

INTRODUCTION

The purpose of this report is to document the age, sex, and size composition data of Kodiak area Pacific herring (*Clupea harengus pallasii*) from 1981-87.

METHODS

Study Area Description

The Kodiak management area comprises all waters of Alaska from the southern entrance of Imuya Bay near Kilikak Rocks north to Cape Douglas, including Kodiak, Afognak and adjacent islands (Figure 1). Prior to 1981 herring catches were recorded using the Alaska Department of Fish and Game (ADF&G) salmon statistical area descriptions (Figure 2). In 1981 the area was divided into seven regulatory commercial fishing districts for herring; Afognak, General, Uganik, Uyak, Sturgeon, Alitak, and Mainland (Figure 3). These were further subdivided into 49 statistical areas (sections). Statistical area boundaries were revised in 1985 increasing the number of statistical areas to 72 (Figure 1). Table 1 shows the relationship between past and present herring statistical areas. These districts and statistical areas are described in ADF&G (1986).

Sampling Techniques

Between 1981 and 1987 Pacific herring samples were collected from 53 statistical areas in six districts. Samples were collected from commercial purse seine, gill net, and trawl landings, ADF&G shrimp trawl surveys, and variable mesh gill net² catches. Commercial catch samples were haphazard samples taken by hand or shovel from the fish hold while all fish taken by trawl and variable mesh gill net were included in the sample.

An attempt was made to collect at least two 60-fish samples at different times from the commercial seine catch in each statistical area. Sampled fish were measured (standard length) to the nearest millimeter (mm), weighed to the nearest gram (gm) and aged by analysis of scale annuli using a binocular microscope at 12X magnification. The preferred body area for scale sampling was the left side just behind the operculum. Alternate areas were, in order of preference, the left side, the right side just behind the operculum, the right side, and the base of the pectoral fin. Scales were mounted on glass slides and stored at the ADF&G office in Kodiak.

²Floating monofilament gill nets 31 m long and 3 m deep, consisting of four 8 m panels with stretched mesh sizes of 38, 51, 64, and 76 mm.

Age-length-weight (AWL) data were recorded on mark sense forms starting in 1984. The forms were fed into an optical mark sense reader which produced an ASCII data file in MS-DOS format. Prior to 1984 AWL data were recorded on tabular forms. These data were transferred to electronic media (key-punched) using the optical mark sense reader format (Table 2). AWL data files from which tables in this report were produced are available on double-sided-double-density floppy disks (MS-DOS format) at the ADF&G office in Kodiak and Commercial Fisheries Division Headquarters in Juneau.

RESULTS

Age, sex, and size composition tables are organized by fishery (sac-roe first) and then by year (starting in 1987) within each fishery. Within a year samples are arranged by district in the order: Afognak, Uganik, Uyak, General, Alitak, and Mainland. The first table in each district shows age, sex, and size composition of all samples collected by seine in that district. The following tables are organized by statistical area and finally by gear type within each area in the order: commercial seine, test commercial seine, commercial gill net, test commercial gill net, variable mesh gill net, commercial trawl, and shrimp trawl.

LITERATURE CITED

ADF&G (Alaska Department of Fish and Game). 1986. 1986 commercial herring fishing regulations. Alaska Department of Fish and Game. Division of Commercial Fisheries, Juneau.

Table 1. Kodiak area Pacific herring commercial fisheries statistical areas, 1960-87.

<u>Geographic area</u>	<u>1960-1981</u>	<u>1981-1984</u>	<u>1985-1987</u>
Raspberry St.	251-10	A01	A010
Malina B.	-20	A02	A020
Paramanoff B.	-30	A03	A031
Foul B.	-40	A03	A032
Blue Fox B.	-50	A04	A040
W. Shuyak I.	-60	A06	A060
N. Shuyak I.	-70	A06	A060
E. Shuyak I.	-81	A06	A060
Perenosa B.	-82	A07	A070
Delphin B.	-82	A07	A071
Seal B.	-90	A07	A072
Tonki B.	252-10	A08	A080
Marmot I.	-20	A06	G103
Marmot B.	-30	G10	G103
Izhut B.	-31	A09	A090
Kitoy B.	-31	A09	A091
McDonalds L.	-31	A09	A092
Duck B.	-32	A10	A102
Danger B.	-33	A10	A100
Litnik B.	-34	A10	A101
Kupreanof St.	-35	UG1	UG10
Kizhuyak B.	-36	G09	G090
Sheratin B.	-37	G08	G081
Anton Larsen B.	-38	G08	G080
N. Spruce I.	-39	G10	G103
Outer Uganik B.	253-11	UG4	UG40
Inner Uganik B.	-12	UG3	UG30 (Village I.)
N.E. Arm Uganik B.	-12	UG3	UG32
E. Arm Uganik B.	-12	UG3	UG33
S. Arm Uganik B.	-12	UG3	UG34
Outer Terror B.	-31	UG2	UG21
E. Outer Uganik B.	-31	UG2	UG31
Viekoda B.	-32	UG2	UG20
Inner Terror B.	-33	UG2	UG21
Outer Uyak B.	254-10	UY2	UY20 (Harvester I.)
Larsen B.	-10	UY3	UY31
Inner Uyak B.	-20	UY3	UY30
Zachar B.	-30	UY4	UY40
Spiridon B.	-40	UY5	UY50
Karluk L.	255-10	UY1	UY10
Rocky Pt.	-20	UY1	UY10
Aiakulik R.	256-20	AL1	AL10
Hailbut B.	-30	SH1	SH10
Sturgeon B.	-40	SH1	SH10
Low Cape	257-10	AL1	AL10
W. Alitak B.	-20	AL1-2	AL10-20

-Continued-

Table 1. (page 2 of 2)

<u>Geographic area-</u>	<u>1960-1981</u>	<u>1981-1984</u>	<u>1985-1987</u>
Moser B.	257-30	AL4	AL40 (Lower Olga/Moser)
Olga B.	-30	AL5	AL50 (Upper Olga)
Deadman B.	-50	AL2	AL21
Sulua B.	-60	AL3	AL30
E. Alitak B.	-70	AL1-2	AL10-20
Sitkinak I.	-80	AL1	AL10
Lower Shelikof St.	-82	M12	M120
Outer Alitak B.	-90	AL1	AL10
Outer Kiliuda B.	258-10	G02-3	G040
Inner Kiliuda B.	-20	G04	G041
Sherwater B.	-20	G04	G042
E. Sitkalidak St.	-30	G02	G022 (Amee Bay)
Tanginak Anchorage	-30	G02	G023
Outer Sitkalidak	-40	G01	G030
Outer W. Sitkalidak St.	-51	G01	G010-20
Inner W. Sitkalidik St.	-52	G01	G020
Barling B.	-52	G01	G021
Three Saints B.	-53	G01	G020
Kaiugnak B.	-54	G01	G010
Kiavak B.	-55	G01	G010
Kaguyak B.	-60	AL6	AL60
Seven Rivers	-70	AL6	AL60
Sitkinak St.	-80	AL6-AL1	AL60-AL10
S. Spruce I.	259-10	G10	G103
Chiniak B.	-21	G10	G102
Womens B.	-22	G06	G060
Middle B.	-23	G10	G101
Kalsin B.	-24	G10	G100
Cape Chiniak	-25	G10	G100
E. Chiniak	-30	G11	G110
N. Ugak B.	-41	G05	G050-G051
S. Ugak B.	-42	G05	G050-G051
Outer Chiniak	-50	G11-G03	G110-G030
Cape Douglas	262-10	M01	M010
Swikshak	-15	M01	M010
Chiniak	-20	M01	M010
Kukak B.	-25	M02	M020
Kaflia B.	-30	M02	M020
Kuliak B.	-35	M04	M040
Missak B.	-40	M04	M040
Kinak B.	-45	M04	M040
Geographic Har.	-50	M04	M040
Dakavak B.	-55	M05	M050
Katmai B.	-60	M05	M050
Alinchak B.	-65	M07	M070
Puale B.	-70	M08	M080
Portage B.	-80	M09	M090
Wide B.	-85	M11	M110

Table 2. Format of age-weight-length data file produced by optical scanning of herring mark sense form.

-
1. First two records, max 100 characters/record, are text of AWL summary table title.
 2. Header records (one/AWL mark sense form)

<u>Columns</u>	<u>Description</u>
1-3	Page number (must be increasing)
4-5	Month of catch
6-7	Day of catch
8-9	Gear code (1 = variable mesh gill net 3 = gill net, 5 = seine, 7 = trawl)
10-12	District code (salmon statistical area)
13-14	Section code (salmon statistical area)
15-17	Location code
18-21	Sample number
22-25	Time of set (0-2400)
26-28	Number of hours fished (tenths)
29-30	Net length (fathoms)
31	Length type (1 = standard, 2 = fork)
32	Age type (1 = scale, 2 = otolith)
33	Fishery type (1 = bait, 2 = trawl incidental, 3 = test, 4 = commercial, 5 = subsistence)
34-35	Year

3. Specimen records (one/fish)

<u>Columns</u>	<u>Description</u>
1-3	Page number (must be increasing)
4-5	Fish number (1-40/page)
6	Sex (1 = M, 2 = F, 3 = juvenile, 4 = unknown)
7	Gonad index (1-8)
8-9	Age (1-17, 18 = regenerated, 19 = illegible, 20 = missing)
10-12	Length (mm)
13-15	Weight (gm)
16-17	Mesh size (in)
18-20	Skein weight (gm)
21	Otolith flag (if = 9, otolith taken)

Table 3. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Afognak District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	-	-	4	.3	66	12.0	3	168	8.5	4
	3	504	441	2	947	66.3	87	16.9	632	185	10.0	946
	4	123	99	-	222	15.5	144	28.1	159	217	12.9	222
	5	5	8	-	13	.9	187	25.9	12	233	9.1	13
	6	68	73	-	141	9.9	204	26.8	111	236	10.9	141
	7	30	34	-	64	4.5	216	41.7	48	241	13.3	64
	8	6	7	-	13	.9	254	40.9	5	255	12.6	13
	9	5	4	-	9	.6	255	44.8	7	251	7.4	9
	10	6	5	-	11	.8	262	30.1	11	252	8.2	11
	11+	4	-	-	4	.3	278	41.1	4	258	5.0	4
Period total		755	671	2	1428	100.0	121	56.1	992	200	24.4	1427
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	117	115	-	232	82.3	86	12.4	72	183	7.8	232
	4	11	9	-	20	7.1	137	21.5	15	214	15.0	20
	5	-	1	-	1	.4	202	-	1	243	-	1
	6	3	3	-	6	2.1	194	26.6	6	235	9.5	6
	7	7	5	-	12	4.3	214	33.3	12	246	12.4	12
	8	4	3	-	7	2.5	251	30.2	7	262	6.9	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.4	281	-	1	263	-	1
	11+	1	2	-	3	1.1	271	24.2	3	262	9.5	3
Period total		143	139	-	282	100.0	129	64.2	117	192	23.4	282
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	14	7	1	22	39.3	102	16.7	22	199	7.8	22
	4	8	9	1	18	32.1	170	27.7	18	227	6.4	18
	5	-	1	-	1	1.8	228	-	1	254	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	2	5	-	7	12.5	227	24.4	7	247	10.2	7
	8	3	5	-	8	14.3	248	27.0	8	251	11.7	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		27	27	2	56	100.0	162	60.6	56	222	22.6	56
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	-	-	4	.2	66	12.0	3	168	8.5	4
	3	635	563	3	1201	68.0	87	16.7	726	185	9.8	200
	4	142	117	1	260	14.7	146	28.7	192	217	13.0	260
	5	5	10	-	15	.8	191	26.3	14	235	10.2	15
	6	71	76	-	147	8.3	203	26.8	117	236	10.8	147
	7	39	44	-	83	4.7	217	38.6	67	242	13.0	83
	8	13	15	-	28	1.6	250	30.2	20	256	11.6	28
	9	5	4	-	9	.5	255	44.8	7	251	7.4	9
	10	6	6	-	12	.7	264	29.2	12	253	8.4	12
	11+	5	2	-	7	.4	275	32.5	7	260	7.0	7
Total		925	837	4	1766	100.0	124	57.8	1165	199	24.7	1765

Table 4. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Raspberry Straits, statistical area A010, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	14	7	1	22	39.3	102	16.7	22	199	7.8	22
	4	8	9	1	18	32.1	170	27.7	18	227	6.4	18
	5	-	1	-	1	1.8	228	-	1	254	-	1
6/ 7	6	-	-	-	-	-	-	-	-	-	-	-
	7	2	5	-	7	12.5	227	24.4	7	247	10.2	7
	8	3	5	-	8	14.3	248	27.0	8	251	11.7	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		27	27	2	56	100.0	162	60.6	56	222	22.6	56

Table 5. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	67	-	1	170	-	1
	3	159	146	-	305	76.8	88	12.3	171	187	7.4	305
	4	28	22	-	50	12.6	123	25.5	31	210	12.3	50
	5	2	2	-	4	1.0	177	14.2	4	230	9.9	4
4/18	6	11	10	-	21	5.3	186	17.7	10	232	10.3	21
	7	5	7	-	12	3.0	198	24.4	5	240	10.4	12
	8	1	2	-	3	.8	-	-	-	240	9.3	3
	9	-	1	-	1	.3	-	-	-	248	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		207	190	-	397	100.0	101	33.0	222	194	18.0	397

Table 6. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	39	24	-	63	33.0	90	12.3	60	186	15.9
	4	20	23	-	43	22.5	135	19.4	43	212	8.6
	5	1	1	-	2	1.0	187	28.3	2	233	9.9
4/15	6	19	27	-	46	24.1	196	23.0	45	233	7.3
	7	10	9	-	19	9.9	209	32.0	19	238	9.0
	8	1	2	-	3	1.6	265	51.6	3	257	11.0
	9	3	1	-	4	2.1	232	27.6	4	245	3.6
	10	5	5	-	10	5.2	265	30.6	10	252	8.4
	11+	1	-	-	1	.5	258	-	1	257	-
Period total		99	92	-	191	100.0	155	60.3	187	215	25.9

Table 7. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Foul Bay, statistical area A032, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
5/ 2	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	29	43	-	72	61.5	86	12.4	72	190	7.0	72	
	4	9	6	-	15	12.8	137	21.5	15	219	8.2	15	
	5	-	1	-	1	.9	202	-	1	243	-	1	
	6	3	3	-	6	5.1	194	26.6	6	235	9.5	6	
	7	7	5	-	12	10.3	214	33.3	12	246	12.4	12	
	8	4	3	-	7	6.0	251	30.2	7	262	6.9	7	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.9	281	-	1	263	-	1	
	11+	1	2	-	3	2.6	271	24.2	3	262	9.5	3	
Period total		53	64	-	117	100.0	129	64.2	117	209	27.3	117	

Table 8. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Foul Bay, statistical area A032, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/20	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	-	
	4	2	2	-	4	6.6	162	4.8	4	217	15.9	4	
	5	3	-	-	3	4.9	174	14.5	3	229	9.5	3	
	6	5	6	-	11	18.0	193	24.2	11	235	7.3	11	
	7	14	7	-	21	34.4	225	30.3	21	241	9.0	21	
	8	8	8	-	16	26.2	240	26.9	16	246	7.4	16	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	1	3	-	4	6.6	266	30.7	4	251	4.1	4	
	11+	-	2	-	2	3.3	286	38.9	2	260	7.1	2	
Period total		33	28	-	61	100.0	221	39.1	61	240	12.0	61	

Table 9. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosá Bay, statistical area A070, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.8	78	-	1	171	9.9	2
	3	106	111	1	218	91.6	80	12.9	155	181	7.0	217
	4	2	5	-	7	2.9	139	21.5	5	214	6.7	7
	5	2	-	-	2	.8	170	28.3	2	231	1.4	2
4/15- 4/16	6	3	3	-	6	2.5	176	20.6	3	224	23.7	6
	7	2	1	-	3	1.3	187	37.3	3	237	4.7	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		117	120	1	238	100.0	87	26.7	169	185	13.7	237

Table 10. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Seal Bay, statistical area A072, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	88	72	-	160	97.0	-	-	180	5.4	160
	4	2	3	-	5	3.0	-	-	200	22.2	5
5/ 4	5	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		90	75	-	165	100.0	-	-	180	7.3	165

Table 11. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Izhut Bay, statistical area A090, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	63	57	-	120	58.5	90	17.9	120	184	8.7	120
	4	31	16	-	47	22.9	157	23.3	46	216	8.5	47
	5	-	2	-	2	1.0	200	41.7	2	230	11.3	2
4/20- 4/21	6	14	9	-	23	11.2	216	31.4	23	237	8.4	23
	7	5	6	-	11	5.4	222	63.7	11	234	22.1	11
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	.5	320	-	1	255	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.5	323	-	1	262	-	1
Period total		114	91	-	205	100.0	130	58.7	204	201	23.4	205

Table 12. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	11	11	-	22	53.7	155	16.8	22	218	6.5	22
4/22	5	1	-	-	1	2.4	174	-	1	226	-	1
	6	4	7	-	11	26.8	226	32.4	11	237	8.4	11
	7	1	4	-	5	12.2	211	31.1	5	232	13.9	5
	8	-	1	-	1	2.4	230	-	1	237	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	2.4	257	-	1	248	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		17	24	-	41	100.0	186	41.5	41	226	12.2	41

Table 13. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	54	-	1	158	-	1
	3	111	85	1	197	62.9	84	18.0	82	187	12.4	197
	4	35	31	-	66	21.1	156	28.6	25	224	14.3	66
	5	-	1	-	1	.3	-	-	-	252	-	1
4/19- 4/21	6	9	20	-	29	9.3	215	26.6	14	244	9.1	29
	7	5	6	-	11	3.5	255	4.9	2	250	9.7	11
	8	4	3	-	7	2.2	236	18.4	2	261	9.0	7
	9	1	-	-	1	.3	-	-	-	263	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		166	146	1	313	100.0	118	55.7	126	204	27.4	313

Table 14. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	3	-	4	4.4	-	-	222	1.8	4
	4	13	16	-	29	31.9	-	-	233	8.0	29
	5	1	-	-	1	1.1	-	-	239	-	1
4/17- 4/18	6	24	19	-	43	47.3	-	-	252	10.3	43
	7	2	7	-	9	9.9	-	-	253	7.2	9
	8	2	1	-	3	3.3	-	-	258	6.8	3
	9	-	1	-	1	1.1	-	-	275	-	1
	10	-	1	-	1	1.1	-	-	275	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		43	48	-	91	100.0	-	-	245	14.2	91

Table 15. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Litnik Bay, statistical area A101, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	26	18	-	44	52.4	100	30.0	44	191	12.3	44
	4	7	2	-	9	10.7	165	37.3	9	224	15.1	9
	5	-	2	-	2	2.4	213	28.3	2	237	3.5	2
4/16	6	12	4	-	16	19.0	214	19.7	16	243	8.0	16
	7	3	5	-	8	9.5	236	28.7	8	247	10.4	8
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	1	-	2	2.4	268	55.9	2	257	4.2	2
	10	1	-	-	1	1.2	238	-	1	258	-	1
	11+	2	-	-	2	2.4	265	48.1	2	256	7.1	2
Period total		52	32	-	84	100.0	154	67.2	84	215	28.1	84

Table 16. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	301	267	34	602	89.9	84	11.2	267	181	7.6	602
	4	31	32	-	63	9.4	121	28.2	11	205	13.5	63
4/15- 4/30	5	-	1	-	1	.1	-	-	-	183	-	1
	6	2	-	-	2	.3	-	-	-	221	12.0	2
	7	-	2	-	2	.3	-	-	-	242	14.1	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		334	302	34	670	100.0	86	14.1	278	183	11.5	670
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	171	144	3	318	59.4	96	12.4	48	193	9.2	318
	4	52	45	1	98	18.3	137	31.9	23	220	13.6	98
5/ 1- 5/15	5	4	2	-	6	1.1	-	-	-	233	10.5	6
	6	9	8	-	17	3.2	156	-	1	239	9.7	17
	7	15	10	-	25	4.7	214	-	1	249	6.9	25
	8	36	27	-	63	11.8	219	29.9	5	253	9.2	63
	9	2	2	-	4	.7	222	-	1	250	3.7	4
	10	2	1	-	3	.6	-	-	-	250	12.8	3
	11+	-	1	-	1	.2	370	-	1	275	-	1
Period total		291	240	4	535	100.0	123	50.2	80	211	25.3	535
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	35	20	1	56	19.3	118	15.1	38	198	8.8	56
	4	33	43	1	77	26.6	170	24.4	66	221	8.2	77
5/16- 5/31	5	1	-	-	1	.3	178	-	1	229	-	1
	6	17	15	-	32	11.0	215	21.3	24	235	9.4	32
	7	20	11	1	32	11.0	220	31.8	24	239	9.9	32
	8	36	46	-	82	28.3	244	29.5	69	247	8.1	82
	9	5	2	-	7	2.4	240	49.7	6	255	10.2	7
	10	1	1	-	2	.7	216	-	1	248	6.4	2
	11+	1	-	-	1	.3	232	-	1	251	-	1
Period total		149	138	3	290	100.0	196	52.1	230	228	20.1	290
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	507	431	38	976	65.3	90	15.9	353	186	10.4	976
	4	116	120	2	238	15.9	157	32.4	100	216	13.9	238
	5	5	3	-	8	.5	178	-	1	226	19.7	8
All periods	6	28	23	-	51	3.4	212	23.9	25	236	10.1	51
	7	35	23	1	59	3.9	220	31.1	25	243	10.0	59
	8	72	73	-	145	9.7	242	30.0	74	249	9.2	145
	9	7	4	-	11	.7	237	45.9	7	253	8.5	11
	10	3	2	-	5	.3	216	-	1	249	9.7	5
	11+	1	1	-	2	.1	301	97.6	2	263	17.0	2
Total		774	680	41	1495	100.0	134	64.1	588	202	26.1	1495

Table 17. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kupreanof Straits, statistical area UG10, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	6	-	10	9.6	124	16.8	10	201	11.4	10
	4	10	11	-	21	20.2	170	25.8	21	220	10.3	21
	5	1	-	-	1	1.0	178	-	1	229	-	1
5/26	6	12	6	-	18	17.3	213	22.8	13	235	9.7	18
	7	6	3	-	9	8.7	214	32.4	8	242	8.6	9
	8	19	16	-	35	33.7	245	28.5	32	248	6.0	35
	9	5	2	-	7	6.7	240	49.7	6	255	10.2	7
	10	1	1	-	2	1.9	216	-	1	248	6.4	2
	11+	1	-	-	1	1.0	232	-	1	251	-	1
Period total		59	45	-	104	100.0	206	49.0	93	236	18.1	104

Table 18. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viekoda Bay, statistical area UG20, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	50	24	-	74	65.5	-	-	187	8.6	74
	4	12	8	-	20	17.7	-	-	217	8.3	20
5/ 9	5	1	1	-	2	1.8	-	-	223	1.4	2
	6	3	3	-	6	5.3	-	-	236	4.9	6
	7	-	1	-	1	.9	-	-	243	-	1
	8	5	3	-	8	7.1	-	-	250	5.0	8
	9	1	-	-	1	.9	-	-	250	-	1
	10	1	-	-	1	.9	-	-	247	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		73	40	-	113	100.0	-	-	202	23.3	113

Table 19. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viékoda Bay, statistical area UG20, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	19	20	2	41	28.7	89	5.0	4	187	8.6	41
	4	24	35	-	59	41.3	154	14.7	34	218	7.9	59
	5	1	4	-	5	3.5	186	4.2	2	231	8.2	5
	6	7	5	-	12	8.4	183	15.5	7	228	11.1	12
	7	8	4	-	12	8.4	196	52.4	4	239	12.3	12
	8	5	7	-	12	8.4	230	33.8	9	245	8.3	12
	9	1	-	-	1	.7	224	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.7	-	-	-	257	-	1
Period total		65	76	2	143	100.0	169	40.8	61	215	21.8	143

Table 20. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Terror Bay, statistical area UG21, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	268	235	34	537	93.9	84	11.2	267	180	7.6	537
	4	16	18	-	34	5.9	121	28.2	11	199	12.6	34
	5	-	-	-	-	-	-	-	-	-	-	-
4/25- 4/27	6	1	-	-	1	.2	-	-	-	212	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		285	253	34	572	100.0	86	14.1	278	182	9.2	572

Table 21. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Islands, statistical area UG30, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
5/ 4	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	3	-	-	3	6.8	-	205	3.8	3
	4	8	4	1	13	29.5	-	230	7.8	13
	5	2	-	-	2	4.5	-	234	7.8	2
	6	3	-	-	3	6.8	-	247	9.3	3
	7	3	3	-	6	13.6	-	245	10.0	6
	8	11	5	-	16	36.4	-	250	10.7	16
	9	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	2.3	-	239	-	1
	11+	-	-	-	-	-	-	-	-	-
Period total		31	12	1	44	100.0	-	239	15.3	44
5/ 8- 5/11	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	58	50	3	111	66.9	-	198	7.9	111
	4	9	5	-	14	8.4	-	225	10.2	14
	5	1	-	-	1	.6	-	235	-	1
	6	1	5	-	6	3.6	-	243	11.7	6
	7	8	3	-	11	6.6	-	252	5.3	11
	8	11	12	-	23	13.9	-	257	7.5	23
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		88	75	3	166	100.0	-	214	25.1	166
All periods	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	61	50	3	114	54.3	-	198	7.9	114
	4	17	9	1	27	12.9	-	227	9.5	27
	5	3	-	-	3	1.4	-	234	5.6	3
	6	4	5	-	9	4.3	-	244	10.5	9
	7	11	6	-	17	8.1	-	249	7.7	17
	8	22	17	-	39	18.6	-	254	9.5	39
	9	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	.5	-	239	-	1
	11+	-	-	-	-	-	-	-	-	-
Total		119	87	4	210	100.0	-	219	25.5	210

Table 22. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Village Islands, statistical area UG30, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
5/16	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	2.0	-	-	220	-	1
	4	7	1	-	8	16.0	-	-	234	8.9	8
	5	-	2	-	2	4.0	-	-	246	6.4	2
	6	5	1	-	6	12.0	-	-	250	7.9	6
	7	2	3	-	5	10.0	-	-	254	11.3	5
	8	14	9	-	23	46.0	-	-	253	7.4	23
	9	3	1	-	4	8.0	-	-	253	8.6	4
	10	-	1	-	1	2.0	-	-	273	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		32	18	-	50	100.0	-	-	249	11.7	50

4

Table 23. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-ro-e fishery in W. Uganik Passage, statistical area UG31, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.2	-	-	-	237	-	1
	4	16	20	-	36	42.4	166	30.1	20	224	9.9	36
	5	-	-	-	-	-	-	-	-	-	-	-
4/26	6	3	2	-	5	5.9	176	2.8	2	232	10.0	5
	7	6	4	-	10	11.8	207	34.8	8	238	9.7	10
	8	14	17	-	31	36.5	222	30.9	17	245	9.8	31
	9	-	1	-	1	1.2	-	-	-	252	-	1
	10	-	1	-	1	1.2	246	-	1	246	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		40	45	-	85	100.0	195	39.8	48	234	13.5	85

Table 24. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/11	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	10	15	-	25	46.3	-	-	-	193	9.0	25
	4	6	8	-	14	25.9	-	-	-	229	10.0	14
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	3	3	-	6	11.1	-	-	-	251	4.5	6
	8	3	5	-	8	14.8	-	-	-	256	9.9	8
	9	-	1	-	1	1.9	-	-	-	251	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		22	32	-	54	100.0	-	-	-	219	27.4	54
5/20- 5/22	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	31	14	1	46	24.7	116	14.4	28	197	8.1	46
	4	23	32	1	56	30.1	171	24.0	45	221	7.3	56
	5	-	-	-	-	-	-	-	-	-	-	-
	6	5	9	-	14	7.5	217	20.3	11	234	9.4	14
	7	14	8	1	23	12.4	224	32.0	16	237	10.2	23
	8	17	30	-	47	25.3	243	30.7	37	245	9.2	47
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		90	93	3	186	100.0	189	53.1	137	224	20.0	186
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	41	29	1	71	29.6	116	14.4	28	196	8.6	71
	4	29	40	1	70	29.2	171	24.0	45	223	8.3	70
	5	-	-	-	-	-	-	-	-	-	-	-
	6	5	9	-	14	5.8	217	20.3	11	234	9.4	14
	7	17	11	1	29	12.1	224	32.0	16	240	10.7	29
	8	20	35	-	55	22.9	243	30.7	37	247	9.9	55
	9	-	1	-	1	.4	-	-	-	251	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		112	125	3	240	100.0	189	53.1	137	223	22.0	240

Table 25. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in E. Arm Uganik Bay, statistical area UG33, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	33	32	-	65	66.3	-	-	185	5.8	65
	4	15	14	-	29	29.6	-	-	211	11.3	29
4/25	5	-	1	-	1	1.0	-	-	183	-	1
	6	1	-	-	1	1.0	-	-	229	-	1
	7	-	2	-	2	2.0	-	-	242	14.1	2
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		49	49	-	98	100.0	-	-	194	16.5	98

Table 26. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in E. Arm Uganik Bay, statistical area UG33, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	3	-	4	2.5	-	-	218	12.5	4
	4	58	52	-	110	67.9	-	-	219	9.6	110
	5	5	1	-	6	3.7	-	-	225	6.8	6
4/24- 4/25	6	6	6	-	12	7.4	-	-	228	11.5	12
	7	8	6	-	14	8.6	-	-	231	16.5	14
	8	6	6	-	12	7.4	-	-	235	14.0	12
	9	1	2	-	3	1.9	-	-	244	3.8	3
	10	-	1	-	1	.6	-	-	237	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		85	77	-	162	100.0	-	-	223	12.3	162

Table 27. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	50	55	-	105	66.5	96	12.4	48	192	7.6	105
	4	17	20	-	37	23.4	137	31.9	23	213	15.2	37
	5	-	1	-	1	.6	-	-	-	250	-	1
5/ 4	6	2	-	-	2	1.3	156	-	1	228	2.8	2
	7	1	-	-	1	.6	214	-	1	243	-	1
	8	6	2	-	8	5.1	219	29.9	5	248	8.8	8
	9	1	1	-	2	1.3	222	-	1	250	6.4	2
	10	-	1	-	1	.6	-	-	-	264	-	1
	11+	-	1	-	1	.6	370	-	1	275	-	1
Period total		77	81	-	158	100.0	123	50.2	80	202	20.5	158

Table 28. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	80	67	-	147	44.8	97	14.9	20	189	8.4	147
	4	34	41	-	75	22.9	150	19.7	19	213	9.1	75
4/15- 4/30	5	-	1	-	1	.3	182	-	1	233	-	1
	6	7	8	-	15	4.6	189	38.7	3	231	8.7	15
	7	7	13	-	20	6.1	215	7.6	6	240	9.0	20
	8	29	39	-	68	20.7	240	27.9	12	243	8.4	68
	9	-	1	-	1	.3	253	-	1	254	-	1
	10	-	1	-	1	.3	-	-	-	257	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		157	171	-	328	100.0	161	58.9	62	211	24.2	328
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	168	142	1	311	36.8	90	17.0	67	187	8.3	311
	4	63	66	-	129	15.2	139	24.5	62	213	9.7	129
5/ 1- 5/15	5	6	4	-	10	1.2	149	28.9	4	224	10.7	10
	6	12	22	-	34	4.0	193	40.4	13	234	10.3	34
	7	26	17	-	43	5.1	206	35.3	29	238	13.2	43
	8	136	174	-	310	36.6	220	34.7	196	242	9.1	309
	9	2	1	-	3	.4	209	-	1	241	12.5	3
	10	3	2	-	5	.6	184	19.2	4	235	3.1	5
	11+	1	-	-	1	.1	-	-	-	231	-	1
Period total		417	428	1	846	100.0	180	59.6	376	216	26.1	845
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	248	209	1	458	39.0	92	16.7	87	188	8.4	458
	4	97	107	-	204	17.4	141	23.8	81	213	9.5	204
	5	6	5	-	11	.9	155	29.1	5	225	10.5	11
All periods	6	19	30	-	49	4.2	192	38.8	16	233	9.9	49
	7	33	30	-	63	5.4	207	32.3	35	238	12.0	63
	8	165	213	-	378	32.2	221	34.7	208	242	9.0	377
	9	2	2	-	4	.3	231	31.1	2	244	12.1	4
	10	3	3	-	6	.5	184	19.2	4	239	9.3	6
	11+	1	-	-	1	.1	-	-	-	231	-	1
Total		574	599	1	1174	100.0	177	59.8	438	215	25.6	1173

Table 29. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Uyak Bay, statistical area UY30, 1987.

Sample Period	Age (years)	Sex			Percent of Total		Weight			Std. Length		
		Male	Female	Unknown	Total	Total	Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/27- 4/29	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	31	29	-	60	42.6	-	-	-	191	8.7	60
	4	20	19	-	39	27.7	-	-	-	213	9.2	39
	5	-	-	-	-	-	-	-	-	-	-	-
	6	4	3	-	7	5.0	-	-	-	231	7.7	7
	7	1	4	-	5	3.5	-	-	-	241	12.8	5
	8	9	21	-	30	21.3	-	-	-	243	7.9	30
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		65	76	-	141	100.0	-	-	-	212	22.8	141
5/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	66	48	1	115	62.8	-	-	-	189	7.9	115
	4	15	21	-	36	19.7	-	-	-	213	9.1	36
	5	2	3	-	5	2.7	-	-	-	222	13.3	5
	6	2	6	-	8	4.4	-	-	-	234	12.9	8
	7	3	-	-	3	1.6	-	-	-	236	16.4	3
	8	7	9	-	16	8.7	-	-	-	244	7.5	16
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		95	87	1	183	100.0	-	-	-	202	20.8	183
5/ 6- 5/ 7	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	82	71	-	153	35.2	92	20.3	26	186	7.8	153
	4	33	30	-	63	14.5	133	27.7	32	211	10.4	63
	5	1	1	-	2	.5	125	5.7	2	219	4.2	2
	6	6	6	-	12	2.8	170	70.7	2	232	6.8	12
	7	13	7	-	20	4.6	182	43.6	9	231	10.9	20
	8	82	95	-	177	40.7	200	32.3	92	239	8.3	176
	9	2	-	-	2	.5	209	-	1	234	4.2	2
	10	3	2	-	5	1.1	184	19.2	4	235	3.1	5
	11+	1	-	-	1	.2	-	-	-	231	-	1
Period total		223	212	-	435	100.0	168	51.6	168	215	25.2	434
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	179	148	1	328	43.2	92	20.3	26	188	8.3	328
	4	68	70	-	138	18.2	133	27.7	32	212	9.7	138
	5	3	4	-	7	.9	125	5.7	2	221	11.1	7
	6	12	15	-	27	3.6	170	70.7	2	232	8.9	27
	7	17	11	-	28	3.7	182	43.6	9	234	11.9	28
	8	98	125	-	223	29.4	200	32.3	92	240	8.4	222
	9	2	-	-	2	.3	209	-	1	234	4.2	2
	10	3	2	-	5	.7	184	19.2	4	235	3.1	5
	11+	1	-	-	1	.1	-	-	-	231	-	1
Total		383	375	1	759	100.0	168	51.6	168	211	24.3	758

Table 30. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 5	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	8	-	15	28.3	97	12.7	15	191	7.5	15
	4	6	11	-	17	32.1	149	18.3	17	219	8.0	17
	5	1	-	-	1	1.9	183	-	1	236	-	1
	6	-	1	-	1	1.9	279	-	1	253	-	1
	7	1	1	-	2	3.8	224	31.8	2	251	6.4	2
	8	8	9	-	17	32.1	240	32.3	17	248	10.9	17
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		23	30	-	53	100.0	169	64.2	53	222	25.0	53

Table 31. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/28	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	49	38	-	87	46.5	97	14.9	20	188	8.0	87
	4	14	22	-	36	19.3	150	19.7	19	214	9.0	36
	5	-	1	-	1	.5	182	-	1	233	-	1
	6	3	5	-	8	4.3	189	38.7	3	232	10.0	8
	7	6	9	-	15	8.0	215	7.6	6	239	7.9	15
	8	20	18	-	38	20.3	240	27.9	12	244	8.9	38
	9	-	1	-	1	.5	253	-	1	254	-	1
	10	-	1	-	1	.5	-	-	-	257	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		92	95	-	187	100.0	161	58.9	62	211	25.2	187
5/ 1- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	13	15	-	28	16.0	85	14.2	26	185	10.4	28
	4	9	4	-	13	7.4	140	18.9	13	213	7.9	13
	5	2	-	-	2	1.1	162	-	1	229	5.7	2
	6	4	9	-	13	7.4	189	25.7	10	234	10.9	13
	7	9	9	-	18	10.3	215	26.0	18	243	12.8	18
	8	39	61	-	100	57.1	237	25.6	87	246	8.1	100
	9	-	1	-	1	.6	-	-	-	255	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		76	99	-	175	100.0	197	62.3	155	232	24.4	175
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	62	53	-	115	31.8	90	15.6	46	187	8.7	115
	4	23	26	-	49	13.5	146	19.6	32	214	8.7	49
	5	2	1	-	3	.8	172	14.1	2	230	4.6	3
	6	7	14	-	21	5.8	189	27.3	13	233	10.4	21
	7	15	18	-	33	9.1	215	22.7	24	242	10.9	33
	8	59	79	-	138	38.1	237	25.8	99	245	8.4	138
	9	-	2	-	2	.6	253	-	1	255	.7	2
	10	-	1	-	1	.3	-	-	-	257	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		168	194	-	362	100.0	187	63.4	217	222	26.9	362

Table 32. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	431	294	-	725	68.7	86	15.3	365	184	8.8	725
	4	67	57	-	124	11.7	153	23.2	96	218	10.5	124
4/15- 4/30	5	1	6	-	7	.7	193	9.2	4	234	5.7	7
	6	76	63	-	139	13.2	209	28.2	125	239	10.2	139
	7	24	19	-	43	4.1	230	31.5	39	246	7.5	43
	8	4	13	-	17	1.6	243	26.5	11	249	14.8	17
	9	1	-	-	1	.1	227	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		604	452	-	1056	100.0	133	60.8	641	199	25.3	1056
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	57	58	-	115	28.5	115	16.8	71	205	9.7	115
	4	45	38	-	83	20.5	154	21.6	57	223	10.0	83
5/ 1- 5/15	5	2	1	-	3	.7	173	6.4	2	230	4.0	3
	6	63	63	-	126	31.2	215	32.3	85	244	10.0	126
	7	20	17	-	37	9.2	227	33.8	22	249	9.4	37
	8	19	15	-	34	8.4	246	25.6	21	254	6.6	34
	9	1	-	-	1	.2	-	-	-	270	-	1
	10	1	2	-	3	.7	216	2.8	2	251	15.0	3
	11+	-	2	-	2	.5	328	21.2	2	270	4.2	2
Period total		208	196	-	404	100.0	179	55.4	262	230	21.1	404
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	488	352	-	840	57.5	91	18.7	436	187	11.4	840
	4	112	95	-	207	14.2	154	22.5	153	220	10.5	207
	5	3	7	-	10	.7	186	13.2	6	233	5.3	10
All periods	6	139	126	-	265	18.2	212	30.0	210	241	10.4	265
	7	44	36	-	80	5.5	229	32.1	61	248	8.5	80
	8	23	28	-	51	3.5	245	25.5	32	252	10.2	51
	9	2	-	-	2	.1	227	-	1	255	21.2	2
	10	1	2	-	3	.2	216	2.8	2	251	15.0	3
	11+	-	2	-	2	.1	328	21.2	2	270	4.2	2
Total		812	648	-	1460	100.0	146	62.8	903	208	27.9	1460

Table 33. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Barling Bay, statistical area G021, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev.	Number Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	35	27	-	62	52.5	114	11.7	30	204	8.9	62
	4	7	6	-	13	11.0	168	18.0	4	225	9.7	13
	5	-	1	-	1	.8	-	-	-	234	-	1
5/ 3	6	8	5	-	13	11.0	216	32.6	8	244	9.0	13
	7	3	7	-	10	8.5	237	29.3	5	252	11.3	10
	8	10	8	-	18	15.3	245	30.7	12	254	7.4	18
	9	1	-	-	1	.8	-	-	-	270	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		64	54	-	118	100.0	169	62.4	59	223	23.4	118

Table 34. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Ameer Bay, statistical area G022, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-		
	2	-	-	-	-	-	-	-	-	-		
	3	4	3	-	7	8.4	137	16.1	7	219	7.3	7
	4	13	7	-	20	24.1	165	18.1	20	227	7.7	20
	5	2	-	-	2	2.4	192	18.4	2	242	.7	2
4/21	6	9	2	-	11	13.3	224	32.5	11	246	10.4	11
	7	8	8	-	16	19.3	239	31.4	16	255	11.9	16
	8	13	13	-	26	31.3	244	16.0	26	256	5.7	26
	9	1	-	-	1	1.2	271	-	1	272	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		50	33	-	83	100.0	212	45.1	83	244	16.4	83

Table 35. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tanginak Anchorage, statistical area G023, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Mean (gm)	Weight		Mean (mm)	Std. Length		
		Male	Female	Unknown			Std. Dev.	Number Weighed		Mean	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	11	14	-	25	43.1	140	13.0	24	213	6.4	25
	4	2	1	-	3	5.2	155	12.6	3	223	6.2	3
	5	1	-	-	1	1.7	152	-	1	230	-	1
4/15	6	11	-	-	11	19.0	209	30.1	8	239	6.8	11
	7	5	-	-	5	8.6	255	18.1	4	251	5.9	5
	8	9	3	-	12	20.7	221	20.3	11	246	4.3	12
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.7	279	-	1	265	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		39	19	-	58	100.0	180	47.0	52	230	16.9	58

Table 36. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kiliuda Bay, statistical area G041, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	11	20	-	31	31.6	116	14.7	21	207	8.5	31
	4	17	16	-	33	33.7	158	17.8	25	226	7.3	33
	5	2	-	-	2	2.0	173	6.4	2	228	2.8	2
5/ 6	6	9	9	-	18	18.4	219	21.6	11	245	9.3	18
	7	5	2	-	7	7.1	236	52.5	4	253	8.9	7
	8	4	3	-	7	7.1	239	18.8	5	255	4.9	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		48	50	-	98	100.0	166	48.3	68	228	18.9	98

4

Table 37. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Shearwater Bay, statistical area G042, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	8	-	15	20.8	125	17.4	13	207	6.3	15
	4	17	15	-	32	44.4	149	25.7	24	220	12.1	32
	5	-	-	-	-	-	-	-	-	-	-	-
5/ 5	6	8	8	-	16	22.2	215	26.7	11	247	7.6	16
	7	2	1	-	3	4.2	214	-	1	248	3.1	3
	8	4	1	-	5	6.9	252	-	1	256	8.2	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	1.4	218	-	1	252	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		39	33	-	72	100.0	162	43.1	51	227	19.2	72

Table 38. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Outer Ugak Bay, statistical area G050, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
4/25	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	2	-	-	2	5.1	109	7.1	2	208	7.1	2	
	4	7	4	-	11	28.2	155	26.6	11	224	11.5	11	
	5	-	-	-	-	-	-	-	-	-	-	-	
	6	9	3	-	12	30.8	194	21.1	12	240	8.1	12	
	7	8	3	-	11	28.2	211	31.0	11	246	6.7	11	
	8	2	1	-	3	7.7	221	5.0	3	250	3.6	3	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		28	11	-	39	100.0	185	38.3	39	236	14.1	39	

Table 39. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	Number	
4/25	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	6	5	-	11	7.5	120	13.1	11	202	4.6	11
	4	36	25	-	61	41.5	151	20.7	61	216	7.8	61
	5	-	2	-	2	1.4	197	13.4	2	239	2.1	2
	6	35	28	-	63	42.9	210	25.1	63	239	8.0	63
	7	4	3	-	7	4.8	246	25.5	7	248	6.3	7
	8	1	2	-	3	2.0	258	6.8	3	254	2.3	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		82	65	-	147	100.0	181	42.6	147	228	15.8	147

Table 40. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Womens Bay, statistical area G060, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	

5/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	2	-	6	14.6	87	19.2	6	185	9.9	6
	4	3	-	-	3	7.3	154	1.5	3	223	1.0	3
	5	-	-	-	-	-	-	-	-	-	-	-
	6	14	12	-	26	63.4	210	25.5	24	239	5.7	26
	7	4	1	-	5	12.2	223	36.1	5	242	7.9	5
	8	-	1	-	1	2.4	277	-	1	254	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		25	16	-	41	100.0	190	54.3	39	231	20.9	41

5/ 7	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.3	116	-	1	206	-	1
	4	1	1	-	2	2.7	130	-	1	220	14.1	2
	5	-	-	-	-	-	-	-	-	-	-	-
	6	24	29	-	53	70.7	217	41.9	31	246	11.9	53
	7	6	6	-	12	16.0	220	30.6	7	248	8.5	12
	8	1	2	-	3	4.0	248	2.8	2	251	3.6	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	2	-	2	2.7	214	-	1	251	21.2	2
	11+	-	2	-	2	2.7	328	21.2	2	270	4.2	2

Period total		32	43	-	75	100.0	219	48.4	45	246	13.3	75

All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	3	-	7	6.0	91	20.6	7	188	12.1	7
	4	4	1	-	5	4.3	148	11.9	4	222	7.3	5
	5	-	-	-	-	-	-	-	-	-	-	-
	6	38	41	-	79	68.1	214	35.5	55	243	10.7	79
	7	10	7	-	17	14.7	221	31.4	12	246	8.6	17
	8	1	3	-	4	3.4	258	16.9	3	252	3.3	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	2	-	2	1.7	214	-	1	251	21.2	2
	11+	-	2	-	2	1.7	328	21.2	2	270	4.2	2

Total		57	59	-	116	100.0	206	52.9	84	240	17.9	116

Table 41. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	95	64	-	159	70.0	95	20.2	57	190	10.2	159
	4	18	16	-	34	15.0	160	25.6	8	221	10.8	34
4/21	5	1	3	-	4	1.8	194	-	1	234	4.1	4
	6	11	8	-	19	8.4	199	27.9	5	238	14.7	19
	7	3	1	-	4	1.8	-	-	-	244	10.2	4
	8	-	7	-	7	3.1	261	-	1	247	23.1	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		128	99	-	227	100.0	113	43.0	72	202	22.5	227

Table 42. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kalsin Bay, statistical area G100, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/25	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	285	201	-	486	98.0	83	10.5	228	181	6.2	486
	4	2	4	-	6	1.2	123	34.7	4	203	16.7	6
	5	-	1	-	1	.2	186	-	1	224	-	1
	6	1	2	-	3	.6	180	83.9	3	223	32.6	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		288	208	-	496	100.0	85	19.2	236	182	8.0	496

Table 43. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Middle Bay, statistical area G101, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/24	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	43	24	-	67	45.6	84	15.1	67	184	9.9	67
	4	4	8	-	12	8.2	168	16.7	12	224	7.2	12
	5	-	-	-	-	-	-	-	-	-	-	-
	6	20	22	-	42	28.6	216	26.8	42	240	8.3	42
	7	9	12	-	21	14.3	235	30.0	21	246	8.1	21
	8	1	3	-	4	2.7	243	38.5	4	248	6.9	4
	9	1	-	-	1	.7	227	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		78	69	-	147	100.0	156	71.0	147	214	29.7	147

Table 44. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.2	-	-	-	149	-	1
	3	168	149	2	319	49.5	103	12.1	57	192	8.5	318
	4	131	131	-	262	40.6	139	21.9	53	213	8.4	262
	5	3	3	-	6	.9	155	-	1	215	12.7	6
	6	25	17	-	42	6.5	169	8.4	5	223	13.0	42
	7	2	4	-	6	.9	-	-	-	232	10.8	6
	8	4	4	-	8	1.2	-	-	-	235	11.4	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.2	-	-	-	230	-	1
Period total		333	309	3	645	100.0	123	26.7	116	203	15.3	644
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	58	38	-	96	36.0	100	14.3	41	194	8.2	96
	4	45	22	-	67	25.1	132	20.4	16	215	11.3	67
	5	2	-	-	2	.7	-	-	-	232	13.4	2
	6	29	15	-	44	16.5	185	10.8	3	235	10.5	44
	7	6	2	-	8	3.0	-	-	-	245	14.5	8
	8	17	26	-	43	16.1	-	-	-	251	12.6	43
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	5	2	-	7	2.6	-	-	-	245	5.7	7
Period total		162	105	-	267	100.0	112	27.0	60	218	24.3	267
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	41	30	-	71	26.8	101	14.9	57	197	9.0	71
	4	39	40	-	79	29.8	139	19.1	67	215	9.1	79
	5	2	1	-	3	1.1	178	19.5	3	226	3.5	3
	6	31	35	-	66	24.9	175	29.7	54	228	10.8	66
	7	10	7	-	17	6.4	182	21.9	12	232	9.5	17
	8	12	12	-	24	9.1	221	37.8	17	244	14.2	24
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	3	2	-	5	1.9	238	60.6	4	255	19.3	5
Period total		138	127	-	265	100.0	149	45.1	214	218	18.7	265
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.1	-	-	-	149	-	1
	3	267	217	2	486	41.3	101	13.7	155	193	8.7	485
	4	215	193	-	408	34.7	138	20.4	136	213	9.1	408
	5	7	4	-	11	.9	173	19.7	4	221	12.3	11
	6	85	67	-	152	12.9	175	28.0	62	229	12.3	152
	7	18	13	-	31	2.6	182	21.9	12	235	12.1	31
	8	33	42	-	75	6.4	221	37.8	17	247	14.0	75
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	8	5	-	13	1.1	238	60.6	4	248	14.0	13
Total		633	541	3	1177	100.0	136	40.9	390	210	19.9	1176

Table 45. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Deadman Bay, statistical area AL21, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 9- 5/10	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	60	53	1	114	49.4	100	14.4	19	192	7.3	113
	4	57	47	-	104	45.0	134	18.3	15	212	7.0	104
	5	1	-	-	1	.4	-	-	-	238	-	1
	6	6	5	-	11	4.8	175	-	1	220	12.2	11
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	.4	-	-	-	217	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		124	106	1	231	100.0	116	25.3	35	203	13.0	230
5/13	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.5	-	-	-	149	-	1
	3	49	44	1	94	50.3	-	-	-	188	9.0	94
	4	25	37	-	62	33.2	-	-	-	213	8.2	62
	5	1	-	-	1	.5	-	-	-	210	-	1
	6	9	8	-	17	9.1	-	-	-	225	12.7	17
	7	2	2	-	4	2.1	-	-	-	232	10.7	4
	8	4	3	-	7	3.7	-	-	-	237	9.6	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.5	-	-	-	230	-	1
Period total		90	95	2	187	100.0	-	-	-	202	18.6	187
5/17	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	54	32	-	86	63.2	100	14.3	41	192	7.1	86
	4	28	16	-	44	32.4	132	20.4	16	210	10.0	44
	5	-	-	-	-	-	-	-	-	-	-	-
	6	3	2	-	5	3.7	185	10.8	3	227	3.4	5
	7	1	-	-	1	.7	-	-	-	220	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		86	50	-	136	100.0	112	27.0	60	200	12.9	136
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.2	-	-	-	149	-	1
	3	163	129	2	294	53.1	100	14.2	60	191	8.0	293
	4	110	100	-	210	37.9	133	19.1	31	212	8.1	210
	5	2	-	-	2	.4	-	-	-	224	19.8	2
	6	18	15	-	33	6.0	183	10.1	4	223	11.6	33
	7	3	2	-	5	.9	-	-	-	230	10.7	5
	8	4	4	-	8	1.4	-	-	-	235	11.4	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.2	-	-	-	230	-	1
Total		300	251	3	554	100.0	114	26.3	95	202	15.1	553

Table 46. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	59	52	-	111	48.9	105	10.6	38	194	8.4	111
	4	49	47	-	96	42.3	141	23.0	38	213	9.9	96
	5	1	3	-	4	1.8	155	-	1	211	7.5	4
5/ 9- 5/11	6	10	4	-	14	6.2	168	9.0	4	223	14.5	14
	7	-	2	-	2	.9	-	-	-	232	15.6	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		119	108	-	227	100.0	125	27.0	81	204	14.3	227

Table 47. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/19	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	6	-	10	7.6	-	-	205	8.7	10	
	4	17	6	-	23	17.6	-	-	224	7.9	23	
	5	2	-	-	2	1.5	-	-	232	13.4	2	
	6	26	13	-	39	29.8	-	-	236	10.6	39	
	7	5	2	-	7	5.3	-	-	248	11.4	7	
	8	17	26	-	43	32.8	-	-	251	12.6	43	
	9	-	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	5	2	-	7	5.3	-	-	245	5.7	7	
Period total		76	55	-	131	100.0	-	-	238	17.2	131	
6/ 3	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	11	6	-	17	18.5	87	15.5	3	199	10.1	17
	4	13	10	-	23	25.0	145	13.3	11	220	9.6	23
	5	-	1	-	1	1.1	198	-	1	228	-	1
	6	9	17	-	26	28.3	194	35.9	14	233	9.8	26
	7	5	5	-	10	10.9	196	25.1	5	235	10.6	10
	8	5	7	-	12	13.0	247	26.9	5	251	12.2	12
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	2	1	-	3	3.3	237	7.8	2	260	19.8	3
Period total		45	47	-	92	100.0	182	49.2	41	227	19.9	92
6/ 5- 6/ 6	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	30	24	-	54	31.2	102	14.6	54	197	8.6	54
	4	26	30	-	56	32.4	138	19.9	56	213	8.3	56
	5	2	-	-	2	1.2	169	13.4	2	225	4.2	2
	6	22	18	-	40	23.1	169	24.5	40	225	10.3	40
	7	5	2	-	7	4.0	173	14.1	7	228	6.1	7
	8	7	5	-	12	6.9	210	37.2	12	237	12.5	12
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	1	-	2	1.2	240	104.7	2	249	24.0	2
Period total		93	80	-	173	100.0	142	40.5	173	214	16.3	173
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	45	36	-	81	20.5	101	14.9	57	198	9.3	81
	4	56	46	-	102	25.8	139	19.1	67	217	9.5	102
	5	4	1	-	5	1.3	178	19.5	3	228	7.8	5
	6	57	48	-	105	26.5	175	29.7	54	231	11.4	105
	7	15	9	-	24	6.1	182	21.9	12	237	12.3	24
	8	29	38	-	67	16.9	221	37.8	17	249	13.5	67
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	8	4	-	12	3.0	238	60.6	4	249	13.6	12
Total		214	182	-	396	100.0	149	45.1	214	225	20.4	396

Table 48. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Mainland District, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	41	41	3	85	48.3	86	31.8	40	186	11.8	85
	4	12	20	1	33	18.8	146	19.4	5	216	8.3	33
	5	2	2	-	4	2.3	171	28.4	3	230	9.5	4
	6	5	1	-	6	3.4	197	22.7	4	239	7.4	6
	7	10	10	-	20	11.4	218	56.9	15	243	22.4	20
	8	7	9	-	16	9.1	247	18.1	10	250	11.5	16
	9	1	5	-	6	3.4	255	20.4	4	260	2.9	6
	10	2	3	-	5	2.8	245	48.8	2	263	10.2	5
	11+	1	-	-	1	.6	-	-	-	274	-	1
Period total		81	91	4	176	100.0	153	77.8	83	212	30.6	176
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	40	28	6	74	32.9	100	18.1	34	195	12.8	74
	4	34	35	-	69	30.7	149	18.1	42	217	8.2	69
	5	1	1	-	2	.9	189	-	1	230	14.1	2
	6	3	4	-	7	3.1	208	36.3	6	237	18.0	7
	7	4	7	-	11	4.9	223	33.6	8	246	8.9	11
	8	20	34	-	54	24.0	230	25.3	54	244	8.3	54
	9	2	3	-	5	2.2	244	30.3	3	244	17.0	5
	10	1	1	-	2	.9	189	-	1	238	13.4	2
	11+	-	1	-	1	.4	303	-	1	262	-	1
Period total		105	114	6	225	100.0	177	59.0	150	219	22.9	225
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	81	69	9	159	39.7	92	27.2	74	190	13.1	159
	4	46	55	1	102	25.4	148	18.1	47	217	8.2	102
	5	3	3	-	6	1.5	175	24.9	4	230	9.7	6
	6	8	5	-	13	3.2	204	30.5	10	238	13.6	13
	7	14	17	-	31	7.7	220	49.3	23	244	18.6	31
	8	27	43	-	70	17.5	233	25.0	64	245	9.4	70
	9	3	8	-	11	2.7	250	23.5	7	252	13.8	11
	10	3	4	-	7	1.7	226	47.1	3	255	15.8	7
	11+	1	1	-	2	.5	303	-	1	268	8.5	2
Total		186	205	10	401	100.0	168	67.1	233	216	26.8	401

Table 49. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev. Number Weighed	Mean (mm)	Std. Dev. Number Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	18	23	-	41	48.8	86	31.8	40	186	14.8	41
	4	1	4	-	5	6.0	146	19.4	5	222	10.6	5
5/ 4	5	1	2	-	3	3.6	171	28.4	3	229	11.5	3
	6	3	1	-	4	4.8	197	22.7	4	238	9.2	4
	7	9	6	-	15	17.9	218	56.9	15	244	21.7	15
	8	5	5	-	10	11.9	247	18.1	10	256	7.2	10
	9	1	3	-	4	4.8	255	20.4	4	259	3.6	4
	10	1	1	-	2	2.4	245	48.8	2	263	7.8	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		39	45	-	84	100.0	153	77.8	83	216	33.9	84

Table 50. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kinak Bay, statistical area M040, 1987.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/17	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	9	5	1	15	15.6	90	12.8	14	188	7.9	15
	4	2	10	-	12	12.5	146	17.8	12	217	6.5	12
	5	-	-	-	-	-	-	-	-	-	-	-
	6	1	3	-	4	4.2	201	42.5	4	234	14.8	4
	7	3	5	-	8	8.3	223	33.6	8	244	7.9	8
	8	20	34	-	54	56.3	230	25.3	54	244	8.3	54
	9	-	2	-	2	2.1	236	37.5	2	243	12.7	2
	10	1	-	-	1	1.0	189	-	1	228	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	59	1	96	100.0	197	57.8	95	231	22.4	96

Table 51. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Wide Bay, statistical area M110, 1987.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 3	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	23	18	3	44	47.8	-	-	-	185	8.3	44
	4	11	16	1	28	30.4	-	-	-	215	7.6	28
	5	1	-	-	1	1.1	-	-	-	231	-	1
	6	2	-	-	2	2.2	-	-	-	242	2.1	2
	7	1	4	-	5	5.4	-	-	-	239	26.5	5
	8	2	4	-	6	6.5	-	-	-	240	10.9	6
	9	-	2	-	2	2.2	-	-	-	261	.7	2
	10	1	2	-	3	3.3	-	-	-	263	13.3	3
	11+	1	-	-	1	1.1	-	-	-	274	-	1
Period total		42	46	4	92	100.0	-	-	-	208	26.8	92
5/18	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	31	23	5	59	45.7	106	18.6	20	197	13.1	59
	4	32	25	-	57	44.2	150	18.5	30	217	8.6	57
	5	1	1	-	2	1.6	189	-	1	230	14.1	2
	6	2	1	-	3	2.3	222	24.0	2	243	23.9	3
	7	1	2	-	3	2.3	-	-	-	253	8.4	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	2	1	-	3	2.3	261	-	1	244	22.3	3
	10	-	1	-	1	.8	-	-	-	247	-	1
	11+	-	1	-	1	.8	303	-	1	262	-	1
Period total		69	55	5	129	100.0	142	42.9	55	211	19.1	129
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	54	41	8	103	46.6	106	18.6	20	192	12.7	103
	4	43	41	1	85	38.5	150	18.5	30	217	8.3	85
	5	2	1	-	3	1.4	189	-	1	230	10.0	3
	6	4	1	-	5	2.3	222	24.0	2	242	16.9	5
	7	2	6	-	8	3.6	-	-	-	244	21.8	8
	8	2	4	-	6	2.7	-	-	-	240	10.9	6
	9	2	3	-	5	2.3	261	-	1	251	18.2	5
	10	1	3	-	4	1.8	-	-	-	259	13.4	4
	11+	1	1	-	2	.9	303	-	1	268	8.5	2
Total		111	101	9	221	100.0	142	42.9	55	209	22.6	221

Table 52. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	2	53	59	5.8	48	19.4	15	150	11.1	59
	3	64	65	33	162	15.9	93	33.1	120	186	18.6	162
	4	11	15	-	26	2.6	151	27.1	20	218	14.6	26
	5	141	156	-	297	29.2	180	32.2	190	229	9.8	297
	6	119	153	-	272	26.8	205	32.1	196	237	9.0	272
	7	22	32	-	54	5.3	223	29.1	42	245	9.5	54
	8	11	24	-	35	3.4	235	31.5	27	251	14.1	35
	9	23	38	-	61	6.0	251	27.8	51	253	8.8	61
	10	1	7	-	8	.8	271	21.7	6	259	8.4	8
	11+	22	20	-	42	4.1	257	38.8	30	259	8.6	42
Period total		418	512	86	1016	100.0	182	61.8	697	224	29.9	1016
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	57	-	1	165	-	1
	3	43	28	-	71	45.8	129	14.6	71	201	7.4	71
	4	1	1	-	2	1.3	183	32.5	2	220	11.3	2
	5	13	22	-	35	22.6	201	29.6	35	229	9.0	35
	6	14	20	-	34	21.9	234	39.8	34	238	9.2	34
	7	3	3	-	6	3.9	254	37.7	6	243	10.5	6
	8	1	2	-	3	1.9	274	28.6	3	257	13.6	3
	9	-	2	-	2	1.3	325	38.2	2	258	8.5	2
	10	-	1	-	1	.6	271	-	1	258	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		76	79	-	155	100.0	179	59.0	155	219	20.5	155
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.2	79	-	1	171	-	1
	3	89	84	-	173	41.9	127	23.2	105	205	11.5	173
	4	5	4	-	9	2.2	136	13.9	6	213	10.2	9
	5	28	15	-	43	10.4	186	30.8	30	229	12.1	43
	6	39	36	-	75	18.2	211	31.2	45	236	15.6	75
	7	30	69	-	99	24.0	236	40.2	52	245	12.0	99
	8	5	3	-	8	1.9	262	15.6	3	248	12.0	8
	9	1	2	-	3	.7	-	-	-	254	8.1	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	2	-	2	.5	346	7.1	2	271	.7	2
Period total		198	215	-	413	100.0	176	57.6	244	224	21.7	413
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	2	3	4.1	80	53.0	3	159	8.3	3
	3	19	10	-	29	39.7	146	34.5	29	215	7.5	29
	4	2	-	-	2	2.7	208	41.7	2	239	14.8	2
	5	2	2	-	4	5.5	181	35.2	4	228	15.0	4
	6	5	4	-	9	12.3	234	29.3	9	245	8.3	9
	7	5	17	-	22	30.1	263	31.0	22	251	8.3	22
	8	-	1	-	1	1.4	294	-	1	253	-	1
	9	2	1	-	3	4.1	268	54.5	3	256	13.6	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	35	2	73	100.0	200	67.5	73	231	23.6	73

-Continued-

Table 52. (page 2 of 2)

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	4.2	94	24.7	2	196	24.0	2
	3	31	7	-	38	79.2	117	15.0	38	212	7.9	38
	4	6	-	-	6	12.5	120	9.0	6	210	5.9	6
7/ 1- 7/15	5	1	-	-	1	2.1	179	-	1	250	-	1
	6	1	-	-	1	2.1	217	-	1	257	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	7	-	48	100.0	120	22.6	48	213	12.2	48
	1	-	-	-	-	-	-	-	-	-	-	-
	2	9	2	55	66	3.9	58	28.9	22	152	13.9	66
	3	246	194	33	473	27.7	116	31.5	363	199	16.9	473
	4	25	20	-	45	2.6	148	30.8	36	217	13.6	45
All periods	5	185	195	-	380	22.3	184	32.3	260	229	10.1	380
	6	178	213	-	391	22.9	211	34.2	285	237	10.7	391
	7	60	121	-	181	10.6	237	37.5	122	246	11.0	181
	8	17	30	-	47	2.8	243	33.1	34	251	13.5	47
	9	26	43	-	69	4.0	255	32.3	56	253	8.9	69
	10	1	8	-	9	.5	271	19.8	7	258	7.9	9
	11+	22	22	-	44	2.6	263	43.5	32	259	8.8	44
Total		769	848	88	1705	100.0	179	61.2	1217	224	26.9	1705

Table 53. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Muskomee Bay, statistical area A010, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/29- 5/30	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	.2	79	-	1	171	-	1
	3	89	84	-	173	41.9	127	23.2	105	205	11.5	173
	4	5	4	-	9	2.2	136	13.9	6	213	10.2	9
	5	28	15	-	43	10.4	186	30.8	30	229	12.1	43
	6	39	36	-	75	18.2	211	31.2	45	236	15.6	75
	7	30	69	-	99	24.0	236	40.2	52	245	12.0	99
	8	5	3	-	8	1.9	262	15.6	3	248	12.0	8
	9	1	2	-	3	.7	-	-	-	254	8.1	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	2	-	2	.5	346	7.1	2	271	.7	2
Period total		198	215	-	413	100.0	176	57.6	244	224	21.7	413
6/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	2	3	4.1	80	53.0	3	159	8.3	3
	3	19	10	-	29	39.7	146	34.5	29	215	7.5	29
	4	2	-	-	2	2.7	208	41.7	2	239	14.8	2
	5	2	2	-	4	5.5	181	35.2	4	228	15.0	4
	6	5	4	-	9	12.3	234	29.3	9	245	8.3	9
	7	5	17	-	22	30.1	263	31.0	22	251	8.3	22
	8	-	1	-	1	1.4	294	-	1	253	-	1
	9	2	1	-	3	4.1	268	54.5	3	256	13.6	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	35	2	73	100.0	200	67.5	73	231	23.6	73
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	2	4	.8	80	43.3	4	162	9.0	4
	3	108	94	-	202	41.6	131	27.1	134	207	11.5	202
	4	7	4	-	11	2.3	154	38.5	8	217	14.6	11
	5	30	17	-	47	9.7	185	30.8	34	229	12.2	47
	6	44	40	-	84	17.3	215	31.8	54	237	15.2	84
	7	35	86	-	121	24.9	244	39.5	74	246	11.6	121
	8	5	4	-	9	1.9	270	20.6	4	249	11.4	9
	9	3	3	-	6	1.2	268	54.5	3	255	10.1	6
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	2	-	2	.4	346	7.1	2	271	.7	2
Total		234	250	2	486	100.0	182	60.7	317	225	22.1	486

Table 54. Age, sex, and gonadal development of Pacific herring captured by commercial gill net during the sac-roë fishery in Muskomee Bay, statistical area A010, 1986.

Sample Period	Age (years)	Sex			Percent of		Gonad Maturity				Spent			
		Male	Female	Unknown	Total	Total	Virgin No.	Virgin %	Green No.	Green %	Ripe No.	Ripe %	No.	%
	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	7	3	-	10	18.5	0	.0	0	.0	10	100.0	0	.0
	4	1	1	-	2	3.7	0	.0	0	.0	2	100.0	0	.0
5/22- 5/24	5	3	2	-	5	9.3	0	.0	0	.0	4	80.0	1	20.0
	6	5	5	-	10	18.5	0	.0	1	10.0	9	90.0	0	.0
	7	10	12	-	22	40.7	0	.0	2	9.1	20	90.9	0	.0
	8	2	1	-	3	5.6	0	.0	0	.0	2	66.7	1	33.3
	9	-	2	-	2	3.7	0	.0	0	.0	2	100.0	0	.0
	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-	-
Period total		28	26	-	54	100.0	0	.0	3	5.6	49	90.7	2	3.7

Table 55. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/21	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	36	37	78.7	-	-	-	147	7.2	37
	3	5	5	-	10	21.3	-	-	-	170	6.5	10
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		6	5	36	47	100.0	-	-	-	152	11.7	47
4/29	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	2	17	20	24.4	42	5.7	13	153	9.9	20
	3	14	15	33	62	75.6	59	7.8	54	167	7.7	62
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	17	50	82	100.0	56	9.9	67	163	10.3	82
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	2	53	57	44.2	42	5.7	13	149	8.7	57
	3	19	20	33	72	55.8	59	7.8	54	167	7.6	72
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		21	22	86	129	100.0	56	9.9	67	159	12.2	129

Table 56. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Malina Bay, statistical area A020, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/24	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	3	-	5	3.1	125	14.5	5	214	6.8	5
	4	5	1	-	6	3.7	151	17.9	6	225	9.1	6
	5	28	27	-	55	34.0	173	20.3	55	233	7.9	55
	6	19	32	-	51	31.5	188	19.9	51	238	6.8	51
	7	9	11	-	20	12.3	223	22.5	20	251	7.7	20
	8	4	4	-	8	4.9	221	27.5	8	249	10.0	8
	9	4	7	-	11	6.8	254	35.0	11	258	8.5	11
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	3	3	-	6	3.7	255	15.5	6	258	2.7	6
Period total		74	88	-	162	100.0	193	36.9	162	239	12.5	162

Table 57. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	7	3	-	10	6.4	109	19.6	10	200	11.7	
	4	2	2	-	4	2.5	128	9.5	4	212	4.1	
	5	24	41	-	65	41.4	162	23.1	64	226	9.5	
4/17- 4/19	6	14	29	-	43	27.4	191	25.3	42	237	7.3	
	7	3	6	-	9	5.7	209	20.6	9	241	6.0	
	8	2	6	-	8	5.1	220	31.4	8	248	7.4	
	9	5	5	-	10	6.4	237	28.5	10	252	8.5	
	10	-	1	-	1	.6	267	-	1	259	-	
	11+	5	2	-	7	4.5	229	48.9	7	253	11.5	
Period total		62	95	-	157	100.0	180	41.0	155	232	15.3	157

Table 58. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Foul Bay, statistical area A032, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev. Number Weighed	Mean (mm)	Std. Dev. Number Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	3	2	-	5	1.5	104	10.1	4	198	6.5	5
	4	1	4	-	5	1.5	163	11.8	4	226	24.3	5
	5	46	46	-	92	28.0	175	30.2	62	228	10.7	92
4/16- 4/17	6	40	61	-	101	30.8	195	25.3	82	236	9.0	101
	7	12	16	-	28	8.5	217	30.5	20	246	11.1	28
	8	4	14	-	18	5.5	236	24.6	13	250	7.0	18
	9	16	29	-	45	13.7	252	27.1	35	253	9.3	45
	10	1	4	-	5	1.5	273	17.7	3	259	10.0	5
	11+	13	16	-	29	8.8	265	30.6	18	259	8.0	29
Period total		136	192	-	328	100.0	206	43.8	241	240	15.4	328

Table 59. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	

4/17	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	4	-	6	7.3	-	-	-	201	2.6	6
	4	-	2	-	2	2.4	-	-	-	226	3.5	2
	5	21	13	-	34	41.5	-	-	-	228	9.8	34
	6	24	16	-	40	48.8	-	-	-	234	9.9	40
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		47	35	-	82	100.0	-	-	-	229	12.6	82

4/20	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	10	4	-	14	45.2	113	9.6	14	192	4.9	14
	4	2	1	-	3	9.7	137	38.0	3	206	15.9	3
	5	1	4	-	5	16.1	205	62.7	5	227	19.2	5
	6	1	6	-	7	22.6	227	29.2	7	234	9.3	7
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	1	-	2	6.5	266	8.5	2	246	7.8	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		15	16	-	31	100.0	166	63.2	31	212	22.5	31

5/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	4	-	7	21.9	116	13.9	7	202	5.6	7
	4	1	-	-	1	3.1	160	-	1	212	-	1
	5	6	5	-	11	34.4	180	22.6	11	227	7.2	11
	6	4	6	-	10	31.3	232	43.0	10	238	10.0	10
	7	-	1	-	1	3.1	299	-	1	258	-	1
	8	-	1	-	1	3.1	241	-	1	242	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	3.1	271	-	1	258	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		14	18	-	32	100.0	190	57.3	32	227	17.8	32

All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	15	12	-	27	18.6	114	11.0	21	196	6.5	27
	4	3	3	-	6	4.1	143	33.0	4	213	14.1	6
	5	28	22	-	50	34.5	188	39.1	16	228	10.3	50
	6	29	28	-	57	39.3	230	37.0	17	235	9.8	57
	7	-	1	-	1	.7	299	-	1	258	-	1
	8	-	1	-	1	.7	241	-	1	242	-	1
	9	1	1	-	2	1.4	266	8.5	2	246	7.8	2
	10	-	1	-	1	.7	271	-	1	258	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-

Total		76	69	-	145	100.0	178	61.1	63	225	17.6	145

Table 60. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tonki Bay (Long), statistical area A080, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	2.7	82	47.4	2	181	29.7	2
	3	3	12	-	15	20.5	121	20.0	15	204	9.1	15
	4	3	1	-	4	5.5	158	28.8	4	225	12.8	4
	5	6	9	-	15	20.5	186	16.0	15	233	6.7	15
	6	7	12	-	19	26.0	217	36.9	19	243	10.1	19
	7	2	4	-	6	8.2	234	14.4	6	248	5.8	6
	8	2	-	-	2	2.7	206	1.4	2	248	3.5	2
	9	1	2	-	3	4.1	255	11.6	3	257	2.6	3
	10	-	2	-	2	2.7	269	41.0	2	257	9.2	2
	11+	4	1	-	5	6.8	269	39.7	5	264	3.7	5
Period total		30	43	-	73	100.0	191	56.4	73	233	22.0	73

Table 61. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Izhut Bay, statistical area A090, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	12	-	17	19.3	131	10.7	17	203	4.3	17
	4	3	2	-	5	5.7	161	31.0	5	214	10.9	5
4/23	5	12	21	-	33	37.5	211	23.4	33	231	7.3	33
	6	11	16	-	27	30.7	227	32.7	27	236	9.3	27
	7	1	3	-	4	4.5	253	5.9	4	243	8.4	4
	8	-	2	-	2	2.3	280	12.7	2	249	2.1	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	56	-	88	100.0	201	46.3	88	227	15.2	88

Table 62. Age, sex, and size composition of Pacific herring captured by commercial seine (post season sample) in Kitoi Bay, statistical area A091, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
7/ 9	1	-	-	-	-	-	-	-	-	-	-	
	2	2	-	-	2	4.2	94	24.7	2	196	24.0	2
	3	31	7	-	38	79.2	117	15.0	38	212	7.9	38
	4	6	-	-	6	12.5	120	9.0	6	210	5.9	6
	5	1	-	-	1	2.1	179	-	1	250	-	1
	6	1	-	-	1	2.1	217	-	1	257	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	7	-	48	100.0	120	22.6	48	213	12.2	48

Table 63. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/25	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	2	-	6	14.3	128	10.8	6	203	5.8	6
	4	-	-	-	-	-	-	-	-	-	-	-
	5	7	4	-	11	26.2	205	23.0	11	231	7.7	11
	6	11	8	-	19	45.2	234	26.6	19	239	6.8	19
	7	1	2	-	3	7.1	237	49.9	3	240	12.5	3
	8	-	2	-	2	4.8	275	26.9	2	244	7.1	2
	9	-	1	-	1	2.4	310	-	1	256	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		23	19	-	42	100.0	216	48.2	42	232	14.7	42
5/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.8	57	-	1	165	-	1
	3	40	24	-	64	52.0	130	14.1	64	201	7.6	64
	4	-	1	-	1	.8	206	-	1	228	-	1
	5	7	17	-	24	19.5	210	27.8	24	230	9.7	24
	6	10	14	-	24	19.5	235	39.3	24	238	9.1	24
	7	3	2	-	5	4.1	244	34.0	5	240	8.1	5
	8	1	1	-	2	1.6	290	5.7	2	265	4.2	2
	9	-	2	-	2	1.6	325	38.2	2	258	8.5	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		62	61	-	123	100.0	177	59.3	123	217	20.7	123
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	57	-	1	165	-	1
	3	44	26	-	70	42.4	130	13.8	70	201	7.4	70
	4	-	1	-	1	.6	206	-	1	228	-	1
	5	14	21	-	35	21.2	209	26.2	35	230	9.0	35
	6	21	22	-	43	26.1	235	33.9	43	238	8.1	43
	7	4	4	-	8	4.8	242	37.2	8	240	9.1	8
	8	1	3	-	4	2.4	283	18.1	4	255	13.0	4
	9	-	3	-	3	1.8	320	28.4	3	257	6.1	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		85	80	-	165	100.0	187	59.0	165	221	20.4	165

Table 64. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
4/23	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	11	6	-	17	19.8	-	-	204	9.0	17
	4	-	3	-	3	3.5	-	-	221	7.9	3
	5	24	18	-	42	48.8	-	-	233	8.5	42
	6	11	5	-	16	18.6	-	-	239	8.1	16
	7	3	1	-	4	4.7	-	-	246	6.6	4
	8	3	-	-	3	3.5	-	-	271	44.9	3
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.2	-	-	262	-	1
Period total		52	34	-	86	100.0	-	-	230	18.9	86

4

Table 65. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/16	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	3	-	5	10.6	153	18.4	5	215	7.1	5
	4	1	-	-	1	2.1	147	-	1	224	-	1
	5	11	7	-	18	38.3	202	22.0	18	242	7.7	18
	6	6	4	-	10	21.3	227	21.3	10	251	7.9	10
	7	1	4	-	5	10.6	234	41.7	5	253	9.4	5
	8	1	3	-	4	8.5	266	17.6	4	260	10.4	4
	9	2	2	-	4	8.5	266	34.0	4	261	8.8	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		24	23	-	47	100.0	215	40.8	47	245	15.0	47

Table 66. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uganik District, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	1	-	-	1	.1	56	-	1	166	-	1
	2	1	2	38	41	5.6	42	8.0	41	150	9.2	41
	3	233	190	1	424	58.0	114	25.0	420	200	10.7	424
	4	12	12	-	24	3.3	139	30.0	24	213	14.3	24
	5	33	32	-	65	8.9	164	24.4	64	224	12.0	65
	6	29	42	-	71	9.7	199	32.2	71	233	12.4	71
	7	35	63	-	98	13.4	208	36.3	98	238	12.4	98
	8	2	1	-	3	.4	229	32.4	3	245	13.1	3
	9	1	-	-	1	.1	255	-	1	263	-	1
	10	-	1	-	1	.1	268	-	1	268	-	1
	11+	1	1	-	2	.3	277	108.2	2	253	25.5	2
Period total		348	344	39	731	100.0	137	53.2	726	209	24.1	731
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.4	46	-	1	264	-	1
	3	39	22	-	61	24.5	107	19.6	61	198	19.1	61
	4	3	-	-	3	1.2	137	17.2	3	217	7.8	3
	5	16	12	-	28	11.2	169	29.2	28	225	11.4	28
	6	21	17	-	38	15.3	185	31.5	38	233	11.8	38
	7	50	47	-	97	39.0	212	34.3	97	242	8.4	97
	8	12	6	-	18	7.2	231	20.1	18	247	8.0	18
	9	1	2	-	3	1.2	229	45.0	3	251	11.0	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		143	106	-	249	100.0	178	53.6	249	228	22.1	249
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	1	2	1.1	-	-	-	157	2.8	2
	3	24	34	-	58	30.9	127	19.2	21	204	12.4	58
	4	-	-	-	-	-	-	-	-	-	-	-
	5	7	11	-	18	9.6	192	22.2	7	228	8.2	18
	6	14	12	-	26	13.8	208	29.1	10	234	7.5	26
	7	42	39	-	81	43.1	207	23.8	20	235	8.2	81
	8	1	1	-	2	1.1	-	-	-	242	13.4	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	.5	-	-	-	263	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		90	97	1	188	100.0	176	43.9	58	224	18.4	188
All periods	1	1	-	-	1	.1	56	-	1	166	-	1
	2	3	2	39	44	3.8	42	7.9	42	153	19.3	44
	3	296	246	1	543	46.5	114	24.4	502	200	12.1	543
	4	15	12	-	27	2.3	138	28.7	27	214	13.7	27
	5	56	55	-	111	9.5	167	26.5	99	225	11.3	111
	6	64	71	-	135	11.6	195	32.3	119	233	11.4	135
	7	127	149	-	276	23.6	210	34.3	215	238	10.3	276
	8	15	8	-	23	2.0	231	21.2	21	246	8.7	23
	9	2	2	-	4	.3	236	38.9	4	254	10.9	4
	10	1	1	-	2	.2	268	-	1	266	3.5	2
	11+	1	1	-	2	.2	277	108.2	2	253	25.5	2
Total		581	547	40	1168	100.0	149	55.8	1033	215	24.4	1168

Table 67. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Onion Bay, statistical area UG10, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/22	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	15	-	21	25.6	122	19.7	21	201	9.3	21
	4	1	-	-	1	1.2	123	-	1	211	-	1
	5	5	8	-	13	15.9	180	30.5	13	226	13.2	13
	6	3	5	-	8	9.8	209	22.8	8	234	9.3	8
	7	11	17	-	28	34.1	234	29.0	28	244	8.2	28
	8	6	3	-	9	11.0	241	15.8	9	247	9.0	9
	9	-	2	-	2	2.4	254	19.8	2	257	.0	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	50	-	82	100.0	194	54.2	82	229	20.7	82

Table 68. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
5/13	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	79	63	-	142	75.1	106	19.0	139	199	8.1	142
	4	2	7	-	9	4.8	132	18.7	9	213	10.2	9
	5	6	12	-	18	9.5	164	17.9	17	227	9.0	18
	6	2	4	-	6	3.2	194	19.2	6	232	13.8	6
	7	5	6	-	11	5.8	214	31.7	11	241	7.1	11
	8	1	-	-	1	.5	264	-	1	260	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.5	268	-	1	268	-	1
	11+	-	1	-	1	.5	353	-	1	271	-	1
Period total		95	94	-	189	100.0	125	43.7	185	207	17.3	189

Table 69. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Terror Bay, statistical area UG21, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	22	22	11.6	37	3.9	22	144	5.5	22
	3	65	50	-	115	60.5	109	15.9	115	196	7.9	115
	4	5	3	-	8	4.2	152	28.0	8	216	13.5	8
	5	13	4	-	17	8.9	159	22.2	17	217	10.2	17
5/ 2- 5/ 5	6	7	7	-	14	7.4	189	29.0	14	229	9.2	14
	7	6	8	-	14	7.4	208	18.5	14	236	4.7	14
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		96	72	22	190	100.0	120	47.8	190	198	25.0	190

Table 70. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Village Islands, statistical area UG30, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/22	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	2.2	137	6.4	2	207	.0	2
	4	1	-	-	1	1.1	140	-	1	217	-	1
	5	3	3	-	6	6.7	153	21.1	6	219	9.3	6
	6	12	10	-	22	24.4	196	24.4	22	233	8.9	22
	7	36	22	-	58	64.4	208	24.7	57	238	8.9	58
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.1	192	-	1	245	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		53	37	-	90	100.0	199	29.6	89	235	11.0	90

Table 71. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	.6	46	-	1	264	-	1
	3	33	7	-	40	24.0	100	14.8	40	197	22.6	40
	4	2	-	-	2	1.2	144	17.7	2	221	7.8	2
	5	11	4	-	15	9.0	159	25.1	15	224	9.9	15
5/16	6	18	12	-	30	18.0	179	30.7	30	233	12.5	30
	7	39	30	-	69	41.3	203	32.5	69	241	8.4	69
	8	6	3	-	9	5.4	222	20.1	9	247	7.3	9
	9	1	-	-	1	.6	180	-	1	238	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		111	56	-	167	100.0	169	51.6	167	228	22.8	167

Table 72. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
5/11	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	
	5	4	5	-	9	10.8	-	-	219	9.5	9
	6	13	10	-	23	27.7	-	-	232	7.5	23
	7	25	18	-	43	51.8	-	-	238	7.1	43
	8	4	1	-	5	6.0	-	-	242	5.8	5
	9	-	2	-	2	2.4	-	-	244	3.5	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.2	-	-	234	-	1
Period total		47	36	-	83	100.0	-	-	234	9.5	83

Table 73. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/13	1	1	-	-	1	.3	56	-	1	166	-	1
	2	1	2	16	19	5.4	47	8.3	19	157	8.1	19
	3	89	77	1	167	47.4	124	30.6	166	204	13.0	167
	4	5	2	-	7	2.0	132	41.2	7	211	20.3	7
	5	14	16	-	30	8.5	167	28.7	30	227	13.2	30
	6	20	31	-	51	14.5	202	33.9	51	235	12.9	51
	7	24	49	-	73	20.7	207	39.6	73	237	14.0	73
	8	1	1	-	2	.6	212	16.3	2	238	4.2	2
	9	1	-	-	1	.3	255	-	1	263	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.3	200	-	1	235	-	1
Period total		157	178	17	352	100.0	153	55.8	351	215	24.6	352
6/ 6- 6/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.9	-	-	-	155	-	1
	3	14	27	-	41	37.6	127	19.2	21	206	13.0	41
	4	-	-	-	-	-	-	-	-	-	-	-
	5	5	8	-	13	11.9	192	22.2	7	230	8.3	13
	6	12	10	-	22	20.2	208	29.1	10	234	7.6	22
	7	12	19	-	31	28.4	207	23.8	20	236	7.5	31
	8	1	-	-	1	.9	-	-	-	251	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		44	64	1	109	100.0	176	43.9	58	223	18.1	109
All periods	1	1	-	-	1	.2	56	-	1	166	-	1
	2	1	2	17	20	4.3	47	8.3	19	157	7.9	20
	3	103	104	1	208	45.1	124	29.5	187	204	13.1	208
	4	5	2	-	7	1.5	132	41.2	7	211	20.3	7
	5	19	24	-	43	9.3	172	29.0	37	228	11.9	43
	6	32	41	-	73	15.8	203	33.0	61	234	11.5	73
	7	36	68	-	104	22.6	207	36.7	93	237	12.4	104
	8	2	1	-	3	.7	212	16.3	2	242	8.1	3
	9	1	-	-	1	.2	255	-	1	263	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.2	200	-	1	235	-	1
Total		201	242	18	461	100.0	157	54.9	409	217	23.5	461

Table 74. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev.	Mean (mm)	Std. Number Dev.			
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	2	-	5	9.1	144	21.3	5	211	4.4	5
	4	1	2	-	3	5.5	154	17.1	3	223	8.5	3
5/ 8	5	7	10	-	17	30.9	176	17.8	17	230	6.6	17
	6	7	10	-	17	30.9	205	29.1	17	240	9.1	17
	7	5	7	-	12	21.8	216	30.3	12	246	7.1	12
	8	-	1	-	1	1.8	265	-	1	250	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		23	32	-	55	100.0	191	35.2	55	235	12.6	55

Table 75. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in S. Arm Uganik Bay, statistical area UG34, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
6/ 9	1	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.3	-	-	159	-	1
	3	10	7	-	17	21.5	-	-	199	9.2	17
	4	-	-	-	-	-	-	-	-	-	-
	5	2	3	-	5	6.3	-	-	225	7.6	5
	6	2	2	-	4	5.1	-	-	235	8.0	4
	7	30	20	-	50	63.3	-	-	235	8.7	50
	8	-	1	-	1	1.3	-	-	232	-	1
	9	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	1.3	-	-	263	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		46	33	-	79	100.0	-	-	226	18.9	79

Table 76. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uyak District, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	70	71	16.7	-	-	-	151	9.2	71
	3	36	38	4	78	18.4	108	32.2	57	192	11.3	78
	4	3	-	-	3	.7	116	27.6	2	198	21.1	3
	5	13	19	-	32	7.5	168	25.5	29	222	10.1	32
5/ 1- 5/15	6	27	27	-	54	12.7	186	27.8	47	230	10.0	54
	7	58	119	-	177	41.6	212	28.9	156	236	9.3	177
	8	1	3	-	4	.9	227	27.4	4	240	5.1	4
	9	2	2	-	4	.9	211	24.6	3	240	8.2	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	2	-	-	2	.5	274	-	1	246	25.5	2
Period total		143	208	74	425	100.0	184	49.7	299	212	33.4	425

Table 77. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Uyak Bay, statistical area UY30, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	70	71	33.2	-	-	-	151	9.2	71
	3	17	25	4	46	21.5	122	42.8	25	191	13.6	46
	4	1	-	-	1	.5	-	-	-	178	-	1
	5	4	9	-	13	6.1	165	20.0	10	218	8.3	13
5/11- 5/12	6	14	9	-	23	10.7	183	27.7	16	228	10.0	23
	7	27	28	-	55	25.7	198	32.7	34	232	9.4	55
	8	-	1	-	1	.5	247	-	1	240	-	1
	9	2	1	-	3	1.4	205	31.1	2	240	10.1	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.5	-	-	-	228	-	1
Period total		67	73	74	214	100.0	171	46.9	88	195	36.1	214

Table 78. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	2.1	-	-	209	4.9	2
	4	-	-	-	-	-	-	-	-	-	-
	5	6	2	-	8	8.2	-	-	224	7.6	8
5/12- 5/13	6	8	10	-	18	18.6	-	-	237	7.2	18
	7	33	33	-	66	68.0	-	-	242	9.2	66
	8	1	-	-	1	1.0	-	-	247	-	1
	9	1	1	-	2	2.1	-	-	250	3.5	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		50	47	-	97	100.0	-	-	239	11.0	97

Table 79. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/10	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
	5	1	1	-	2	3.4	160	26.2	2	224	2.1	2
	6	2	4	-	6	10.3	205	5.7	6	240	4.5	6
	7	19	28	-	47	81.0	210	21.0	47	241	7.2	47
	8	2	1	-	3	5.2	222	8.0	3	251	3.8	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		24	34	-	58	100.0	209	21.7	58	241	7.8	58

Table 80. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 8	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	19	13	-	32	15.2	97	12.8	32	192	7.0	32
	4	2	-	-	2	.9	116	27.6	2	208	17.0	2
	5	9	10	-	19	9.0	169	28.3	19	224	10.7	19
	6	13	18	-	31	14.7	188	28.3	31	231	10.0	31
	7	31	91	-	122	57.8	216	26.7	122	238	8.5	122
	8	1	2	-	3	1.4	220	29.3	3	240	6.2	3
	9	-	1	-	1	.5	224	-	1	239	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.5	274	-	1	264	-	1
Period total		76	135	-	211	100.0	189	49.9	211	229	18.5	211

Table 81. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	2	-	6	.9	71	14.7	6	177	11.1	6
	3	75	67	-	142	20.3	123	17.1	140	206	7.4	142
	4	14	5	-	19	2.7	164	28.7	19	225	13.8	19
	5	105	88	-	193	27.7	191	25.8	181	236	8.7	193
	6	100	84	-	184	26.4	212	30.1	160	242	8.7	184
	7	71	53	-	124	17.8	229	30.1	94	249	9.3	124
	8	7	3	-	10	1.4	250	23.9	6	254	10.2	10
	9	7	7	-	14	2.0	263	51.6	12	256	12.4	14
	10	1	2	-	3	.4	284	40.3	2	262	7.0	3
	11+	2	1	-	3	.4	210	79.1	3	240	35.2	3
Period total		386	312	-	698	100.0	187	49.0	623	234	18.7	698
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	4	-	6	1.3	99	55.7	5	175	10.5	6
	3	60	50	-	110	23.5	125	24.1	45	204	9.2	110
	4	10	5	-	15	3.2	154	32.1	6	215	12.2	15
	5	111	90	-	201	42.9	193	26.7	97	234	9.5	201
	6	36	29	-	65	13.9	205	41.3	41	240	10.1	65
	7	30	32	-	62	13.2	247	26.9	50	249	7.3	62
	8	2	3	-	5	1.1	246	32.1	4	256	4.7	5
	9	2	2	-	4	.9	244	47.9	3	251	11.6	4
	10	1	-	-	1	.2	203	-	1	233	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		254	215	-	469	100.0	192	51.2	252	229	19.1	469
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.4	54	-	1	160	-	1
	3	17	25	-	42	18.3	129	27.0	42	206	12.1	42
	4	-	1	-	1	.4	213	-	1	247	-	1
	5	56	62	-	118	51.3	194	22.6	118	238	8.3	118
	6	15	15	-	30	13.0	211	21.6	30	241	8.8	30
	7	14	11	1	26	11.3	233	28.5	26	246	7.4	26
	8	1	1	-	2	.9	251	4.9	2	250	2.8	2
	9	3	1	-	4	1.7	262	38.8	4	261	16.0	4
	10	2	3	-	5	2.2	279	38.3	5	265	9.8	5
	11+	1	-	-	1	.4	302	-	1	272	-	1
Period total		110	119	1	230	100.0	192	44.5	230	235	18.0	230
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	7	6	-	13	.9	81	38.6	12	174	10.9	13
	3	152	142	-	294	21.0	125	20.7	227	205	8.9	294
	4	24	11	-	35	2.5	163	30.3	26	221	14.4	35
	5	272	240	-	512	36.6	192	25.1	396	236	9.1	512
	6	151	128	-	279	20.0	210	31.5	231	242	9.1	279
	7	115	96	1	212	15.2	235	29.8	170	248	8.5	212
	8	10	7	-	17	1.2	248	23.4	12	254	8.2	17
	9	12	10	-	22	1.6	260	46.7	19	256	12.7	22
	10	4	5	-	9	.6	271	42.7	8	260	13.0	9
	11+	3	1	-	4	.3	233	79.3	4	248	32.9	4
Total		750	646	1	1397	100.0	189	48.6	1105	232	18.9	1397

Table 82. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Port Otto, statistical area G020, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	1	-	1	1.6	94	-	1	193	-	1
	3	3	3	-	6	9.7	123	19.3	6	205	11.5	6
	4	-	1	-	1	1.6	144	-	1	215	-	1
5/ 4	5	9	6	-	15	24.2	199	22.0	15	238	10.6	15
	6	5	5	-	10	16.1	230	39.3	10	247	12.4	10
	7	14	14	-	28	45.2	250	28.6	28	252	7.8	28
	8	-	1	-	1	1.6	260	-	1	248	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	31	-	62	100.0	218	50.6	62	241	18.1	62

Table 83. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anee Bay, statistical area 5122, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (g)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/17	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.5	68	-	11	1859	-	1
	3	8	1	-	9	13.4	108	131.51	9	2101	7.5	9
	4	1	-	-	1	1.5	209	-	11	2446	-	1
	5	9	7	-	16	23.9	188	221.2	16	2334	9.8	16
	6	14	9	-	23	34.3	209	299.0	23	2452	9.4	23
	7	7	7	-	14	20.9	240	421.1	14	2534	10.2	14
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.5	271	-	11	2531	-	1
	10	1	1	-	2	3.0	214	401.3	2	2651	5.7	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	26	-	67	100.0	201	254.28	67	2237	119.16	67
4/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	-	-	2	2.7	-	-	-	1985	11.4	2
	4	-	-	-	-	-	-	-	-	-	-	
	5	2	10	-	12	16.0	-	-	-	2446	5.6	12
	6	11	13	-	24	32.0	-	-	-	2431	9.2	24
	7	18	12	-	30	40.0	-	-	-	2446	10.3	30
	8	3	1	-	4	5.3	-	-	-	2253	13.19	4
	9	1	1	-	2	2.7	-	-	-	2685	116.3	2
	10	-	1	-	1	1.3	-	-	-	2250	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	38	-	75	100.0	-	-	-	2446	113.1	75
4/29	1	-	-	-	-	-	-	-	-	-	-	
	2	2	1	-	3	2.7	73	141.3	10	1779	10.5	3
	3	8	5	-	13	11.6	108	131.77	13	2038	7.6	13
	4	-	-	-	-	-	-	-	-	-	-	
	5	23	10	-	33	29.5	188	225.2	33	2385	7.8	33
	6	14	8	-	22	19.6	196	325.8	22	2453	8.6	22
	7	21	14	-	35	31.3	219	321.7	35	2466	6.5	35
	8	3	-	-	3	2.7	250	371.3	3	2283	101.0	3
	9	3	-	-	3	2.7	215	301.1	3	2485	14.1	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		74	38	-	112	100.0	187	427.2	112	2385	117.9	112
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	3	1	-	4	1.6	77	141.3	4	1882	9.9	4
	3	18	6	-	24	9.4	107	125.3	32	2022	7.4	24
	4	1	-	-	1	.4	209	-	1	2446	-	1
	5	34	27	-	61	24.0	188	224.2	61	2337	8.7	61
	6	39	30	-	69	27.2	208	321.8	69	2442	9.0	69
	7	46	33	-	79	31.1	227	322.7	79	2477	9.4	79
	8	6	1	-	7	2.8	250	311.3	7	2215	111.7	7
	9	4	2	-	6	2.4	228	371.3	6	2253	115.3	6
	10	1	2	-	3	1.2	284	401.3	3	2652	7.0	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		152	102	-	254	100.0	192	50.3	179	2299	117.4	254

Table 84. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roo fishery in Anee Bay, statistical area G022, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
4/17- 4/18	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	86	-	1	140	-	1
	3	1	2	-	3	1.8	128	17.9	3	208	3.2	3
	4	-	1	-	1	.6	151	-	1	222	-	1
	5	38	20	1	59	36.0	194	21.7	56	241	9.2	59
	6	28	20	2	50	30.5	206	22.6	49	245	7.4	50
	7	18	24	1	43	26.2	226	27.1	43	253	7.1	43
	8	2	-	-	2	1.2	234	38.9	2	258	13.4	2
	9	2	2	-	4	2.4	245	22.1	4	262	8.3	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.6	257	-	1	268	-	1
Period total		91	69	4	164	100.0	206	31.3	160	245	13.9	164
4/20	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-
	5	12	3	-	15	19.7	-	-	-	242	6.3	15
	6	11	13	-	24	31.6	-	-	-	245	6.9	24
	7	15	16	-	31	40.8	-	-	-	250	5.7	31
	8	-	-	-	-	-	-	-	-	-	-	-
	9	2	1	-	3	3.9	-	-	-	255	14.7	3
	10	2	1	-	3	3.9	-	-	-	258	7.4	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		42	34	-	76	100.0	-	-	-	248	7.7	76
4/28	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.5	134	-	1	241	-	1
	4	-	-	-	-	-	-	-	-	-	-	-
	5	10	12	-	22	32.4	203	23.9	22	242	7.2	22
	6	5	11	-	16	23.5	203	21.0	16	246	8.1	16
	7	15	14	-	29	42.6	231	20.1	29	253	6.4	29
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		30	38	-	68	100.0	214	27.0	68	248	8.7	68
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	86	-	1	140	-	1
	3	1	3	-	4	1.3	130	14.9	4	216	16.9	4
	4	-	1	-	1	.3	151	-	1	222	-	1
	5	60	35	1	96	31.2	197	22.6	78	241	8.3	96
	6	44	44	2	90	29.2	205	22.0	65	245	7.3	90
	7	48	54	1	103	33.4	228	24.5	72	252	6.6	103
	8	2	-	-	2	.6	234	38.9	2	258	13.4	2
	9	4	3	-	7	2.3	245	22.1	4	259	11.0	7
	10	2	1	-	3	1.0	-	-	-	258	7.4	3
	11+	1	-	-	1	.3	257	-	1	268	-	1
Total		163	141	4	308	100.0	208	30.2	228	246	11.6	308

Table 85. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tanginak Anchorage, statistical area G023, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/29	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	2	-	3	4.5	123	19.1	3	213	7.1	3
	4	1	-	-	1	1.5	132	-	1	226	-	1
	5	15	6	-	21	31.8	192	18.5	21	243	4.6	21
	6	6	10	-	16	24.2	221	27.2	16	247	9.8	16
	7	8	12	-	20	30.3	234	29.3	20	256	7.3	20
	8	1	1	-	2	3.0	237	8.5	2	257	3.5	2
	9	1	1	-	2	3.0	313	61.5	2	268	9.9	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.5	262	-	1	267	-	1
Period total		34	32	-	66	100.0	214	41.5	66	248	12.6	66

Table 86. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	14	2	-	16	16.0	-	206	10.4	16
	4	-	1	-	1	1.0	-	212	-	1
5/ 4	5	29	39	-	68	68.0	-	237	9.1	68
	6	5	4	-	9	9.0	-	250	8.5	9
	7	4	-	-	4	4.0	-	252	1.9	4
	8	-	1	-	1	1.0	-	259	-	1
	9	-	1	-	1	1.0	-	258	-	1
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		52	48	-	100	100.0	-	234	16.3	100

Table 87. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
5/ 6	1	-	-	-	-	-	-	-	-	-	-	-	
	2	1	3	-	4	4.7	100	64.2	4	172	6.4	4	
	3	2	5	-	7	8.2	123	15.2	7	203	4.5	7	
	4	1	-	-	1	1.2	178	-	1	231	-	1	
	5	29	17	-	46	54.1	188	26.8	46	231	8.4	46	
	6	13	6	-	19	22.4	189	42.5	19	237	8.9	19	
	7	1	3	-	4	4.7	226	28.0	4	244	6.2	4	
	8	1	1	-	2	2.4	240	53.0	2	259	.7	2	
	9	2	-	-	2	2.4	219	26.2	2	246	17.0	2	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		50	35	-	85	100.0	182	43.0	85	229	18.1	85	
5/19	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	3	5	-	8	4.9	128	31.9	8	217	13.1	8	
	4	-	1	-	1	.6	213	-	1	247	-	1	
	5	54	60	-	114	70.4	193	21.8	114	239	8.2	114	
	6	12	10	-	22	13.6	211	21.8	22	243	8.5	22	
	7	4	3	-	7	4.3	231	21.4	7	249	3.9	7	
	8	1	-	-	1	.6	254	-	1	252	-	1	
	9	2	1	-	3	1.9	264	47.1	3	264	18.2	3	
	10	2	3	-	5	3.1	279	38.3	5	265	9.8	5	
	11+	1	-	-	1	.6	302	-	1	272	-	1	
Period total		79	83	-	162	100.0	199	35.0	162	240	11.9	162	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	1	3	-	4	1.6	100	64.2	4	172	6.4	4	
	3	5	10	-	15	6.1	126	24.8	15	211	11.9	15	
	4	1	1	-	2	.8	196	24.7	2	239	11.3	2	
	5	83	77	-	160	64.8	192	23.4	160	236	9.0	160	
	6	25	16	-	41	16.6	201	34.5	41	240	9.0	41	
	7	5	6	-	11	4.5	229	22.7	11	247	5.2	11	
	8	2	1	-	3	1.2	244	38.4	3	256	3.8	3	
	9	4	1	-	5	2.0	246	43.7	5	257	18.3	5	
	10	2	3	-	5	2.0	279	38.3	5	265	9.8	5	
	11+	1	-	-	1	.4	302	-	1	272	-	1	
Total		129	118	-	247	100.0	193	38.7	247	236	15.3	247	

Table 88. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/24	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	14	12	-	26	29.9	134	16.7	26	208	6.6	26	
	4	1	-	-	1	1.1	160	-	1	220	-	1	
	5	9	8	-	17	19.5	198	29.2	17	233	9.5	17	
	6	20	15	-	35	40.2	219	30.4	35	241	8.3	35	
	7	3	1	-	4	4.6	223	35.9	4	243	12.5	4	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	1	2	-	3	3.4	296	55.6	3	258	12.2	3	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.1	249	-	1	252	-	1	
Period total		49	38	-	87	100.0	192	50.3	87	230	17.3	87	
5/26	1	-	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.5	54	-	1	160	-	1	
	3	14	20	-	34	50.0	129	26.2	34	204	10.7	34	
	4	-	-	-	-	-	-	-	-	-	-	-	
	5	2	2	-	4	5.9	197	44.0	4	234	10.4	4	
	6	3	5	-	8	11.8	208	22.3	8	235	7.4	8	
	7	10	8	1	19	27.9	234	31.1	19	245	8.2	19	
	8	-	1	-	1	1.5	247	-	1	248	-	1	
	9	1	-	-	1	1.5	254	-	1	252	-	1	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		31	36	1	68	100.0	174	57.9	68	222	22.7	68	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	.6	54	-	1	160	-	1	
	3	28	32	-	60	38.7	131	22.6	60	206	9.3	60	
	4	1	-	-	1	.6	160	-	1	220	-	1	
	5	11	10	-	21	13.5	198	31.2	21	233	9.4	21	
	6	23	20	-	43	27.7	217	29.2	43	240	8.4	43	
	7	13	9	1	23	14.8	232	31.4	23	245	8.8	23	
	8	-	1	-	1	.6	247	-	1	248	-	1	
	9	2	2	-	4	2.6	286	50.1	4	257	10.4	4	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.6	249	-	1	252	-	1	
Total		80	74	1	155	100.0	184	54.3	155	226	20.2	155	

Table 89. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/27- 4/29	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	1	-	2	.9	59	5.7	2	168	7.8	2
	3	40	40	-	80	37.2	124	14.9	80	205	7.3	80
	4	8	5	-	13	6.0	159	28.7	13	221	13.5	13
	5	32	35	-	67	31.2	195	28.1	67	234	8.9	67
	6	20	16	-	36	16.7	211	28.0	36	240	9.2	36
	7	8	5	-	13	6.0	239	24.2	13	247	7.7	13
	8	-	1	-	1	.5	272	-	1	245	-	1
	9	-	2	-	2	.9	255	13.4	2	252	7.1	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.5	119	-	1	200	-	1
Period total		109	106	-	215	100.0	171	48.6	215	224	18.9	215
5/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.5	-	-	-	167	-	1
	3	41	40	-	81	36.5	125	26.8	32	204	9.2	81
	4	9	3	-	12	5.4	150	38.3	4	213	12.8	12
	5	44	28	-	72	32.4	197	27.7	36	232	9.4	72
	6	13	14	-	27	12.2	208	31.2	12	237	7.6	27
	7	11	15	-	26	11.7	247	23.4	18	246	5.9	26
	8	1	-	-	1	.5	244	-	1	257	-	1
	9	-	1	-	1	.5	295	-	1	255	-	1
	10	1	-	-	1	.5	203	-	1	233	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		121	101	-	222	100.0	185	52.8	105	223	18.7	222
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	1	-	3	.7	59	5.7	2	167	5.5	3
	3	81	80	-	161	36.8	124	19.0	112	204	8.3	161
	4	17	8	-	25	5.7	157	30.2	17	217	13.4	25
	5	76	63	-	139	31.8	196	27.9	103	233	9.2	139
	6	33	30	-	63	14.4	211	28.5	48	239	8.6	63
	7	19	20	-	39	8.9	244	23.7	31	246	6.5	39
	8	1	1	-	2	.5	258	19.8	2	251	8.5	2
	9	-	3	-	3	.7	268	25.2	3	253	5.3	3
	10	1	-	-	1	.2	203	-	1	233	-	1
	11+	-	1	-	1	.2	119	-	1	200	-	1
Total		230	207	-	437	100.0	176	50.3	320	223	18.8	437

Table 90. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	1.3	114	-	1	192	-
	3	22	8	-	30	37.5	126	13.4	30	203	6.2
	4	3	-	-	3	3.8	168	8.7	3	217	6.7
	5	13	11	-	24	30.0	204	28.8	24	232	7.7
4/30	6	6	5	-	11	13.8	236	20.9	11	243	4.6
	7	3	6	-	9	11.3	243	28.7	9	240	10.4
	8	1	1	-	2	2.5	251	38.2	2	247	9.9
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		49	31	-	80	100.0	182	53.3	80	223	18.3

Table 91. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Middle Bay, statistical area G101, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
4/29	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	2	7	-	9	11.8	132	11.2	9	210	4.6	9	
	4	3	-	-	3	3.9	180	20.5	3	237	7.5	3	
	5	15	12	-	27	35.5	187	23.9	27	237	7.1	27	
	6	15	13	-	28	36.8	213	26.9	28	244	6.2	28	
	7	6	2	-	8	10.5	220	21.3	8	251	5.2	8	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.3	219	-	1	255	-	1	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		42	34	-	76	100.0	193	35.1	76	238	12.8	76	

Table 92. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	59	61	19.8	-	-	-	153	6.9	61
	3	76	63	1	140	45.5	116	16.2	34	198	10.1	140
	4	1	-	-	1	.3	175	-	1	218	-	1
	5	33	25	-	58	18.8	165	27.8	35	222	9.5	58
	6	3	6	-	9	2.9	178	31.5	7	223	12.1	9
	7	12	15	-	27	8.8	204	19.8	20	236	9.2	27
	8	4	5	-	9	2.9	203	20.8	5	237	10.4	9
	9	-	1	-	1	.3	253	-	1	252	-	1
	10	-	2	-	2	.6	224	23.3	2	240	3.5	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		131	117	60	308	100.0	161	42.2	105	199	28.6	308
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	38	25	-	63	20.7	100	22.7	6	197	9.2	63
	4	2	4	-	6	2.0	-	-	-	216	11.5	6
	5	62	55	-	117	38.5	162	23.6	14	220	10.9	117
	6	18	12	-	30	9.9	174	27.4	4	225	10.3	30
	7	35	34	-	69	22.7	197	37.1	8	234	10.8	69
	8	1	1	-	2	.7	-	-	-	240	5.7	2
	9	1	-	-	1	.3	-	-	-	235	-	1
	10	2	4	-	6	2.0	203	36.8	2	241	12.5	6
	11+	5	5	-	10	3.3	304	21.2	2	251	10.8	10
Period total		164	140	-	304	100.0	171	52.9	36	221	17.5	304
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	59	61	10.0	-	-	-	153	6.9	61
	3	114	88	1	203	33.2	113	17.9	40	198	9.8	203
	4	3	4	-	7	1.1	175	-	1	216	10.5	7
	5	95	80	-	175	28.6	164	26.5	49	221	10.5	175
	6	21	18	-	39	6.4	177	28.7	11	224	10.6	39
	7	47	49	-	96	15.7	202	25.3	28	234	10.4	96
	8	5	6	-	11	1.8	203	20.8	5	238	9.6	11
	9	1	1	-	2	.3	253	-	1	244	12.0	2
	10	2	6	-	8	1.3	213	27.8	4	240	10.7	8
	11+	5	5	-	10	1.6	304	21.2	2	251	10.8	10
Total		295	257	60	612	100.0	164	45.2	141	210	26.0	612

Table 93. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Deadman Bay, statistical area AL21, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
5/21	1	-	-	-	-	-	-	-	-	-	
	2	-	-	59	59	98.3	-	-	152	6.5	59
	3	-	-	1	1	1.7	-	-	155	-	1
	4	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		-	-	60	60	100.0	-	-	152	6.5	60
5/23- 5/25	1	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.9	-	-	152	-	1
	3	44	36	-	80	70.2	-	-	198	9.7	80
	4	-	-	-	-	-	-	-	-	-	-
	5	14	7	-	21	18.4	-	-	226	6.7	21
	6	-	2	-	2	1.8	-	-	221	21.9	2
	7	2	5	-	7	6.1	-	-	240	9.9	7
	8	1	2	-	3	2.6	-	-	243	2.9	3
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		62	52	-	114	100.0	-	-	207	18.3	114
5/27	1	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	3.4	-	-	172	-	1
	3	16	9	-	25	86.2	-	-	197	10.1	25
	4	-	-	-	-	-	-	-	-	-	-
	5	1	1	-	2	6.9	-	-	228	8.5	2
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	3.4	-	-	253	-	1
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		18	11	-	29	100.0	-	-	200	16.8	29
All periods	1	-	-	-	-	-	-	-	-	-	-
	2	2	-	59	61	30.0	-	-	153	6.9	61
	3	60	45	1	106	52.2	-	-	198	10.6	106
	4	-	-	-	-	-	-	-	-	-	-
	5	15	8	-	23	11.3	-	-	226	6.7	23
	6	-	2	-	2	1.0	-	-	221	21.9	2
	7	2	5	-	7	3.4	-	-	240	9.9	7
	8	1	3	-	4	2.0	-	-	246	5.4	4
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Total		80	63	60	203	100.0	-	-	190	29.0	203

Table 94. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/27	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	16	18	-	34	32.4	116	16.2	34	200	8.3	34
	4	1	-	-	1	1.0	175	-	1	218	-	1
	5	18	17	-	35	33.3	165	27.8	35	220	10.4	35
	6	3	4	-	7	6.7	178	31.5	7	224	10.7	7
	7	10	10	-	20	19.0	204	19.8	20	235	8.7	20
	8	3	2	-	5	4.8	203	20.8	5	230	7.6	5
	9	-	1	-	1	1.0	253	-	1	252	-	1
	10	-	2	-	2	1.9	224	23.3	2	240	3.5	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	54	-	105	100.0	161	42.2	105	218	16.5	105

Table 95. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Sulua Bay, statistical area AL30, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	3	6	-	9	9.9	126	14.5	9	204	7.5	9
	4	-	-	-	-	-	-	-	-	-	-	-
5/26	5	28	16	-	44	48.4	161	18.8	44	223	8.6	44
	6	6	7	-	13	14.3	186	29.9	13	230	10.9	13
	7	7	12	-	19	20.9	197	19.5	19	236	9.0	19
	8	1	2	-	3	3.3	200	39.5	3	234	19.7	3
	9	-	1	-	1	1.1	217	-	1	243	-	1
	10	-	2	-	2	2.2	246	75.7	2	249	21.2	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	46	-	91	100.0	172	32.9	91	226	13.5	91

Table 96. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
6/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	12	1	-	13	19.1	-	-	-	198	9.0	13
	4	1	1	-	2	2.9	-	-	-	215	4.9	2
	5	17	6	-	23	33.8	-	-	-	224	12.0	23
	6	4	2	-	6	8.8	-	-	-	232	10.0	6
	7	10	9	-	19	27.9	-	-	-	233	7.3	19
	8	-	1	-	1	1.5	-	-	-	236	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.5	-	-	-	246	-	1
	11+	3	-	-	3	4.4	-	-	-	252	14.5	3
Period total		47	21	-	68	100.0	-	-	-	224	17.1	68
6/ 4- 6/ 6	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	6.3	-	-	-	196	7.6	3
	4	-	1	-	1	2.1	-	-	-	222	-	1
	5	15	8	-	23	47.9	-	-	-	222	8.8	23
	6	3	2	-	5	10.4	-	-	-	227	11.1	5
	7	7	6	-	13	27.1	-	-	-	238	11.2	13
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	2.1	-	-	-	255	-	1
	11+	1	1	-	2	4.2	-	-	-	246	5.7	2
Period total		28	20	-	48	100.0	-	-	-	227	14.8	48
6/ 8	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	22	22	-	44	31.0	100	22.7	6	197	9.5	44
	4	-	2	-	2	1.4	-	-	-	213	24.0	2
	5	21	29	-	50	35.2	162	23.6	14	221	9.4	50
	6	6	6	-	12	8.5	174	27.4	4	224	5.6	12
	7	13	14	-	27	19.0	197	37.1	8	235	11.3	27
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	2	1	-	3	2.1	203	36.8	2	240	9.1	3
	11+	-	4	-	4	2.8	304	21.2	2	255	11.7	4
Period total		64	78	-	142	100.0	171	52.9	36	218	18.6	142
6/11- 6/13	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	6.5	-	-	-	199	10.8	3
	4	1	-	-	1	2.2	-	-	-	216	-	1
	5	9	12	-	21	45.7	-	-	-	214	13.1	21
	6	5	2	-	7	15.2	-	-	-	217	12.7	7
	7	5	5	-	10	21.7	-	-	-	227	12.7	10
	8	1	-	-	1	2.2	-	-	-	244	-	1
	9	1	-	-	1	2.2	-	-	-	235	-	1
	10	-	1	-	1	2.2	-	-	-	221	-	1
	11+	1	-	-	1	2.2	-	-	-	243	-	1
Period total		25	21	-	46	100.0	-	-	-	218	14.9	46

-Continued-

Table 96. (page 2 of 2)

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	38	25	-	63	20.7	100	22.7	6	197	9.2	63
	4	2	4	-	6	2.0	-	-	-	216	11.5	6
	5	62	55	-	117	38.5	162	23.6	14	220	10.9	117
All periods	6	18	12	-	30	9.9	174	27.4	4	225	10.3	30
	7	35	34	-	69	22.7	197	37.1	8	234	10.8	69
	8	1	1	-	2	.7	-	-	-	240	5.7	2
	9	1	-	-	1	.3	-	-	-	235	-	1
	10	2	4	-	6	2.0	203	36.8	2	241	12.5	6
	11+	5	5	-	10	3.3	304	21.2	2	251	10.8	10
	Total	164	140	-	304	100.0	171	52.9	36	221	17.5	304

Table 97. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.9	96	-	1	189	-	1
	4	-	-	-	-	-	-	-	-	-	-	
	5	-	3	-	3	5.7	190	22.3	3	228	3.5	3
	6	2	8	-	10	18.9	208	26.0	10	237	6.6	10
	7	2	-	-	2	3.8	230	2.8	2	241	7.8	2
	8	6	2	-	8	15.1	239	32.4	8	248	8.6	8
	9	12	7	-	19	35.8	251	22.3	19	251	6.6	19
	10	6	1	-	7	13.2	263	33.1	7	250	5.4	7
	11+	1	2	-	3	5.7	320	12.7	3	263	9.1	3
Period total		29	24	-	53	100.0	239	42.5	53	246	13.0	53
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	4	-	6	8.3	98	13.1	6	198	8.4	6
	4	1	-	-	1	1.4	151	-	1	223	-	1
	5	1	2	-	3	4.2	172	16.2	3	231	9.6	3
	6	7	8	-	15	20.8	200	26.1	15	241	7.8	15
	7	4	1	-	5	6.9	208	21.7	5	244	4.4	5
	8	2	3	-	5	6.9	241	25.9	5	255	7.2	5
	9	10	13	-	23	31.9	260	31.7	23	257	7.8	23
	10	3	7	-	10	13.9	267	23.2	10	257	3.5	10
	11+	1	3	-	4	5.6	275	17.6	4	256	9.8	4
Period total		31	41	-	72	100.0	226	56.0	72	246	18.4	72
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	58	64	-	122	46.6	96	13.2	71	189	7.6	122
	4	4	10	-	14	5.3	146	45.0	12	213	16.2	14
	5	7	14	-	21	8.0	170	28.8	21	221	8.7	21
	6	21	16	-	37	14.1	189	27.3	34	231	9.2	37
	7	10	18	-	28	10.7	225	18.8	27	242	7.1	28
	8	10	8	-	18	6.9	224	38.3	17	244	14.8	17
	9	6	7	-	13	5.0	247	38.4	12	246	7.4	13
	10	2	3	-	5	1.9	270	11.1	3	257	6.0	5
	11+	4	-	-	4	1.5	294	46.0	2	246	38.6	4
Period total		122	140	-	262	100.0	165	63.2	199	213	26.1	261
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	60	69	-	129	33.3	96	13.1	78	189	7.8	129
	4	5	10	-	15	3.9	146	43.1	13	213	15.9	15
	5	8	19	-	27	7.0	173	27.2	27	223	9.0	27
	6	30	32	-	62	16.0	195	27.3	59	234	9.5	62
	7	16	19	-	35	9.0	223	19.4	34	242	6.7	35
	8	18	13	-	31	8.0	231	35.0	30	247	12.8	30
	9	28	27	-	55	14.2	254	30.4	54	253	8.5	55
	10	11	11	-	22	5.7	266	24.9	20	255	5.6	22
	11+	6	5	-	11	2.8	294	29.2	9	254	23.4	11
Total		182	205	-	387	100.0	191	67.0	324	224	28.0	386

Table 98. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kukak Bay, statistical area M020, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	10	8	-	18	18.9	101	15.2	18	194	7.7	
	4	2	3	-	5	5.3	138	24.2	5	212	9.9	
	5	5	13	-	18	18.9	170	29.6	18	220	8.9	
5/17	6	14	12	-	26	27.4	189	24.0	26	230	6.8	
	7	7	8	-	15	15.8	220	20.2	15	239	6.3	
	8	8	2	-	10	10.5	221	20.4	10	243	5.3	
	9	-	3	-	3	3.2	259	56.9	3	250	10.1	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		46	49	-	95	100.0	176	49.8	95	224	18.7	94

Table 99. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kashvick Bay, statistical area M050, 1986.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.9	96	-	1	189	-	1
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	3	-	3	5.7	190	22.3	3	228	3.5	3
	6	2	8	-	10	18.9	208	26.0	10	237	6.6	10
	7	2	-	-	2	3.8	230	2.8	2	241	7.8	2
	8	6	2	-	8	15.1	239	32.4	8	248	8.6	8
	9	12	7	-	19	35.8	251	22.3	19	251	6.6	19
	10	6	1	-	7	13.2	263	33.1	7	250	5.4	7
	11+	1	2	-	3	5.7	320	12.7	3	263	9.1	3
Period total		29	24	-	53	100.0	239	42.5	53	246	13.0	53
5/ 4	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	4	-	6	8.3	98	13.1	6	198	8.4	6
	4	1	-	-	1	1.4	151	-	1	223	-	1
	5	1	2	-	3	4.2	172	16.2	3	231	9.6	3
	6	7	8	-	15	20.8	200	26.1	15	241	7.8	15
	7	4	1	-	5	6.9	208	21.7	5	244	4.4	5
	8	2	3	-	5	6.9	241	25.9	5	255	7.2	5
	9	10	13	-	23	31.9	260	31.7	23	257	7.8	23
	10	3	7	-	10	13.9	267	23.2	10	257	3.5	10
	11+	1	3	-	4	5.6	275	17.6	4	256	9.8	4
Period total		31	41	-	72	100.0	226	56.0	72	246	18.4	72
5/26	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	18	20	-	38	48.7	94	12.1	38	187	7.0	38
	4	1	5	-	6	7.7	150	62.1	6	214	24.3	6
	5	2	-	-	2	2.6	157	19.1	2	222	5.7	2
	6	2	3	-	5	6.4	206	18.2	5	236	9.2	5
	7	2	7	-	9	11.5	236	10.6	9	244	7.7	9
	8	2	5	-	7	9.0	228	57.0	7	243	23.0	7
	9	2	3	-	5	6.4	245	38.6	5	245	9.3	5
	10	-	3	-	3	3.8	270	11.1	3	260	4.4	3
	11+	3	-	-	3	3.8	294	46.0	2	240	45.3	3
Period total		32	46	-	78	100.0	158	74.6	77	213	30.2	78
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	20	25	-	45	22.2	95	12.0	45	189	7.9	45
	4	2	5	-	7	3.4	150	56.7	7	215	22.5	7
	5	3	5	-	8	3.9	175	21.7	8	228	7.0	8
	6	11	19	-	30	14.8	204	24.4	30	239	7.7	30
	7	8	8	-	16	7.9	226	18.9	16	244	6.5	16
	8	10	10	-	20	9.9	236	39.8	20	248	15.1	20
	9	24	23	-	47	23.2	255	28.9	47	253	8.6	47
	10	9	11	-	20	9.9	266	24.9	20	255	5.6	20
	11+	5	5	-	10	4.9	294	29.2	9	253	24.5	10
Total		92	111	-	203	100.0	203	70.7	202	233	27.6	203

Table 100. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1986.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	30	36	-	66	74.2	96	12.9	15	188	7.6	66
	4	1	2	-	3	3.4	159	-	1	211	4.2	3
	5	-	1	-	1	1.1	201	-	1	232	-	1
5/26	6	5	1	-	6	6.7	168	55.2	3	229	16.3	6
	7	1	3	-	4	4.5	218	21.2	3	245	7.2	4
	8	-	1	-	1	1.1	-	-	-	253	-	1
	9	4	1	-	5	5.6	242	32.7	4	246	3.8	5
	10	2	-	-	2	2.2	-	-	-	253	6.4	2
	11+	1	-	-	1	1.1	-	-	-	262	-	1
Period total		44	4	-	89	100.0	146	64.1	27	201	24.2	89

Table 101. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	1	-	2	.3	60	-	1	166	.7	2
	3	7	5	-	12	1.6	127	18.9	3	199	9.6	12
	4	134	98	1	233	32.0	141	23.2	91	212	9.5	232
	5	141	102	-	243	33.4	170	26.7	101	223	9.4	243
	6	42	50	-	92	12.6	200	26.0	37	236	8.9	92
	7	18	22	-	40	5.5	208	19.4	13	242	7.8	40
	8	32	35	-	67	9.2	230	28.9	28	245	9.3	67
	9	3	7	-	10	1.4	267	38.2	5	258	10.5	10
	10	4	9	-	13	1.8	244	22.9	8	251	7.2	13
	11+	7	9	-	16	2.2	232	26.8	5	253	7.4	16
Period total		389	338	1	728	100.0	176	42.7	292	225	16.4	727
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	5	2	-	7	2.7	71	9.5	7	171	8.8	7
	3	4	4	-	8	3.1	122	21.5	8	208	11.5	8
	4	53	54	-	107	41.2	155	25.6	107	218	9.5	107
	5	37	41	-	78	30.0	183	24.2	78	228	8.4	78
	6	12	14	-	26	10.0	210	33.1	26	238	10.1	26
	7	5	4	-	9	3.5	224	41.1	9	247	10.1	9
	8	11	7	-	18	6.9	242	26.2	18	250	8.8	18
	9	1	1	-	2	.8	254	28.3	2	251	5.7	2
	10	-	3	-	3	1.2	275	47.1	3	256	9.5	3
	11+	-	2	-	2	.8	258	.0	2	253	5.7	2
Period total		128	132	-	260	100.0	177	44.5	260	226	17.0	260
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	8	4	-	12	18.8	75	11.3	12	172	5.6	12
	3	2	1	-	3	4.7	108	35.9	3	187	16.7	3
	4	2	2	-	4	6.3	165	22.8	4	209	7.2	4
	5	9	7	-	16	25.0	181	30.3	16	222	8.9	16
	6	7	21	-	28	43.8	221	32.4	28	234	8.5	28
	7	-	1	-	1	1.6	240	-	1	244	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	36	-	64	100.0	175	62.4	64	215	25.4	64
8/ 1- 8/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	1	1	3.7	83	-	1	180	-	1
	4	1	-	-	1	3.7	124	-	1	197	-	1
	5	8	3	1	12	44.4	157	20.6	12	213	9.5	12
	6	3	4	1	7	25.9	170	19.6	7	215	7.7	7
	7	2	2	1	5	18.5	192	34.4	5	224	11.6	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	3.7	226	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	9	3	27	100.0	165	33.1	27	215	13.1	27

-Continued-

Table 101. (page 2 of 2)

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	14	7	-	21	1.9	73	10.8	20	171	6.6	21
	3	13	10	1	24	2.2	117	24.5	15	200	13.0	24
	4	190	154	1	345	32.0	149	25.5	203	214	10.0	344
	5	195	153	1	349	32.3	175	26.7	207	224	9.5	349
All periods	6	64	89	-	153	14.2	206	32.1	98	235	10.1	153
	7	25	29	1	55	5.1	212	31.6	28	241	10.1	55
	8	43	42	-	85	7.9	235	28.3	46	246	9.3	85
	9	5	8	-	13	1.2	259	34.0	8	255	10.6	13
	10	4	12	-	16	1.5	253	31.8	11	252	7.6	16
	11+	7	11	-	18	1.7	239	25.3	7	253	7.1	18
	Total	560	515	4	1079	100.0	176	45.4	643	225	17.3	1078

Table 102. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Raspberry St., statistical area A010, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
6/ 2- 6/ 8	1	-	-	-	-	-	-	-	-	-	-	
	2	8	4	-	12	18.8	75	11.3	12	172	5.6	12
	3	2	1	-	3	4.7	108	35.9	3	187	16.7	3
	4	2	2	-	4	6.3	165	22.8	4	209	7.2	4
	5	9	7	-	16	25.0	181	30.3	16	222	8.9	16
	6	7	21	-	28	43.8	221	32.4	28	234	8.5	28
	7	-	1	-	1	1.6	240	-	1	244	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	36	-	64	100.0	175	62.4	64	215	25.4	64
8/ 4- 8/10	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	1	1	3.7	83	-	1	180	-	1
	4	1	-	-	1	3.7	124	-	1	197	-	1
	5	8	3	1	12	44.4	157	20.6	12	213	9.5	12
	6	3	4	-	7	25.9	170	19.6	7	215	7.7	7
	7	2	2	1	5	18.5	192	34.4	5	224	11.6	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	3.7	226	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	9	3	27	100.0	165	33.1	27	215	13.1	27
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	8	4	-	12	13.2	75	11.3	12	172	5.6	12
	3	2	1	1	4	4.4	102	31.9	4	186	14.1	4
	4	3	2	-	5	5.5	157	26.9	5	207	8.3	5
	5	17	10	1	28	30.8	171	28.9	28	218	9.9	28
	6	10	25	-	35	38.5	211	36.6	35	230	11.3	35
	7	2	3	1	6	6.6	200	36.4	6	227	13.2	6
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.1	226	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		43	45	3	91	100.0	172	55.4	91	215	22.4	91

Table 103. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry St., statistical area A010, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/19- 5/25	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	-	
	4	3	9	-	12	17.1	166	21.1	11	223	9.2	12	
	5	11	10	-	21	30.0	181	21.3	20	230	9.8	21	
	6	14	20	-	34	48.6	202	23.8	34	241	6.4	34	
	7	-	3	-	3	4.3	252	32.4	3	253	8.2	3	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		28	42	-	70	100.0	192	29.6	68	235	11.2	70	

Table 104. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	1	-	1	.3	-	-	-	165	-	1
	3	4	4	-	8	2.5	-	-	-	197	9.4	8
	4	67	49	1	117	36.0	136	15.3	50	210	7.9	116
	5	55	41	-	96	29.5	159	24.9	34	222	9.3	96
4/21- 4/27	6	21	22	-	43	13.2	188	20.8	14	235	7.6	43
	7	7	8	-	15	4.6	219	17.8	6	241	9.8	15
	8	16	16	-	32	9.8	226	24.7	18	246	10.5	32
	9	1	2	-	3	.9	325	-	1	259	12.3	3
	10	1	5	-	6	1.8	240	19.8	4	253	10.2	6
	11+	-	4	-	4	1.2	269	-	1	258	7.0	4
Period total		172	152	1	325	100.0	170	43.7	128	223	17.1	324

Table 105. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Paramanof Bay, statistical area A031, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	27	11	-	38	23.8	126	23.6	20	205	8.4	38
	5	29	16	-	45	28.1	160	23.6	30	220	8.3	45
4/14- 4/20	6	8	14	-	22	13.8	200	23.6	13	231	7.3	22
	7	7	6	-	13	8.1	199	16.9	7	239	3.6	13
	8	11	14	-	25	15.6	225	21.8	8	242	4.2	25
	9	-	3	-	3	1.9	246	4.9	2	253	5.6	3
	10	2	2	-	4	2.5	249	27.6	4	248	2.6	4
	11+	6	4	-	10	6.3	223	19.7	4	250	6.8	10
Period total		90	70	-	160	100.0	176	44.2	88	226	16.8	160

Table 106. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Foul Bay, statistical area A032, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev. Number Weighed	Mean (mm)	Std. Dev. Number Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	3	2	-	5	17.2	164	53.9	5	220	2.5	5
	5	3	4	-	7	24.1	171	21.6	7	229	8.6	7
4/21- 4/27	6	6	2	-	8	27.6	205	21.5	8	242	7.6	8
	7	2	-	-	2	6.9	198	45.3	2	246	6.4	2
	8	-	3	-	3	10.3	246	31.4	3	253	4.7	3
	9	2	-	-	2	6.9	231	4.9	2	261	.7	2
	10	1	-	-	1	3.4	276	-	1	263	-	1
	11+	1	-	-	1	3.4	148	-	1	255	-	1
Period total		18	11	-	29	100.0	196	42.5	29	239	14.7	29

Table 107. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Perenosa Bay, statistical area A070, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.1	128	-	1	211	-	1
	4	17	17	-	34	36.2	152	19.3	34	212	8.7	34
	5	32	25	-	57	60.6	170	23.8	57	223	8.8	57
4/21- 4/27	6	1	-	-	1	1.1	203	-	1	239	-	1
	7	1	-	-	1	1.1	181	-	1	225	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	43	-	94	100.0	164	24.3	94	219	10.2	94

Table 108. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tonki Bay, statistical area A080, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	2.2	67	4.2	2	167	.7	2
	3	2	3	-	5	5.6	129	22.1	5	211	10.0	5
	4	14	14	-	28	31.1	135	19.9	28	214	8.6	28
	5	10	20	-	30	33.3	177	23.4	30	229	8.6	30
5/ 5- 5/11	6	5	7	-	12	13.3	197	37.3	12	239	10.1	12
	7	1	2	-	3	3.3	221	55.2	3	241	9.2	3
	8	4	1	-	5	5.6	233	38.2	5	249	10.3	5
	9	1	1	-	2	2.2	254	28.3	2	251	5.7	2
	10	-	3	-	3	3.3	275	47.1	3	256	9.5	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		39	51	-	90	100.0	171	48.5	90	226	17.9	90

Table 109. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Izhut Bay, statistical area A090, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	60	-	1	166	-	1
	3	3	1	-	4	2.5	127	18.9	3	205	9.2	4
	4	22	30	-	52	32.7	167	18.0	21	220	7.3	52
4/21- 4/27	5	39	33	-	72	45.3	188	21.1	37	227	8.6	72
	6	10	8	-	18	11.3	216	29.1	10	238	11.5	18
	7	3	3	-	6	3.8	-	-	-	243	8.0	6
	8	1	1	-	2	1.3	280	58.7	2	258	20.5	2
	9	1	1	-	2	1.3	260	37.5	2	256	11.3	2
	10	-	2	-	2	1.3	-	-	-	253	3.5	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		80	79	-	159	100.0	186	37.8	76	227	13.4	159

Table 110. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kitoi Bay, statistical area A091, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/28- 5/ 4	1	-	-	-	-	-	-	-	-	-	-	-	
	2	2	-	-	2	2.7	71	4.9	2	167	.0	2	
	3	1	1	-	2	2.7	102	14.1	2	195	.7	2	
	4	14	16	-	30	40.5	164	27.2	30	218	9.0	30	
	5	14	17	-	31	41.9	188	22.9	31	226	7.5	31	
	6	1	3	-	4	5.4	218	28.1	4	235	11.8	4	
	7	1	-	-	1	1.4	194	-	1	230	-	1	
	8	1	2	-	3	4.1	226	11.3	3	241	5.5	3	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.4	258	-	1	249	-	1	
Period total		34	40	-	74	100.0	177	37.5	74	222	14.5	74	

Table 111. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kitoi Bay, statistical area A091, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	7.7	85	23.5	3	182	12.4	3
	3	1	1	-	2	5.1	139	23.3	2	215	12.7	2
	4	6	8	-	14	35.9	179	22.5	14	230	7.9	14
5/26- 6/ 1	5	3	4	-	7	17.9	211	28.8	7	233	10.7	7
	6	4	5	-	9	23.1	221	27.5	9	245	7.8	9
	7	-	1	-	1	2.6	274	-	1	260	-	1
	8	-	2	-	2	5.1	285	79.9	2	262	16.3	2
	9	-	1	-	1	2.6	289	-	1	260	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		17	22	-	39	100.0	196	54.1	39	232	20.4	39

Table 112. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in McDonalds Lagoon, statistical area A092, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	3.4	123	-	1	218	-	1
	4	10	2	-	12	41.4	146	11.2	12	211	5.0	12
	5	9	2	-	11	37.9	188	24.6	11	227	8.8	11
4/28- 5/ 4	6	1	1	-	2	6.9	237	7.1	2	235	4.2	2
	7	-	1	-	1	3.4	289	-	1	253	-	1
	8	2	-	-	2	6.9	257	40.3	2	253	3.5	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		23	6	-	29	100.0	180	45.1	29	223	14.5	29

Table 113. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	18	8	-	26	31.0	-	-	217	9.9	26
	5	18	12	-	30	35.7	-	-	224	11.0	30
4/14- 4/20	6	3	6	-	9	10.7	-	-	242	8.1	9
	7	1	5	-	6	7.1	-	-	249	5.9	6
	8	4	4	-	8	9.5	-	-	247	11.2	8
	9	1	1	-	2	2.4	-	-	264	18.4	2
	10	1	-	-	1	1.2	-	-	255	-	1
	11+	1	1	-	2	2.4	-	-	259	2.1	2
Period total		47	37	-	84	100.0	-	-	230	16.9	84

Table 114. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Litnik Bay, statistical area A101, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	2	-	3	4.5	74	14.7	3	177	11.6	3
	3	-	-	-	-	-	-	-	-	-	-	-
	4	15	22	-	37	55.2	164	22.8	37	224	8.2	37
	5	4	2	-	6	9.0	181	32.1	6	229	11.0	6
4/28- 5/ 4	6	5	3	-	8	11.9	217	28.7	8	240	11.4	8
	7	3	1	-	4	6.0	218	26.6	4	254	4.4	4
	8	4	4	-	8	11.9	251	15.8	8	253	8.2	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.5	258	-	1	257	-	1
Period total		32	35	-	67	100.0	183	45.9	67	230	18.3	67

Table 115. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uganik District, 1995.

Sample Period	Age (years)	Sex			Total	Percent of Total	Mean (gm)	Weights		Mean (mm)	Stnd. Dev.	Length Number Measured
		Male	Female	Unknown				Std. Weighted	Draw.			
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.7	56	8.56	22	1899	92.9	2
	3	3	3	-	6	2.1	108	22.4	56	2000	102.7	6
	4	35	40	-	75	25.7	132	18.3	65	2111	92.1	75
	5	56	61	-	117	40.1	160	24.4	96	2222	103.4	117
	6	41	29	-	70	24.0	183	25.1	47	2334	92.2	69
	7	4	2	-	6	2.1	209	37.5	4	2399	111.9	6
	8	2	11	-	13	4.5	228	30.0	5	2444	101.5	13
	9	-	1	-	1	.3	234	-	1	2441	-	1
	10	-	1	-	1	.3	217	-	1	2500	-	1
	11+	1	-	-	1	.3	224	-	1	2500	-	1
Period total		144	148	-	292	100.0	159	33.7	2341	223	151.3	291
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	-	-	2	1.1	117	10.66	22	2000	100	2
	4	14	4	-	18	9.8	141	25.9	118	2122	101.3	118
	5	18	18	-	36	19.6	176	23.0	35	2333	92.3	36
	6	53	52	-	105	57.1	192	28.1	105	2372	91.3	105
	7	3	5	-	8	4.3	219	25.0	3	2371	92.2	8
	8	4	6	-	10	5.4	217	26.5	10	2441	92.7	10
	9	1	1	-	2	1.1	212	25.3	2	2333	11.4	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	3	-	-	3	1.6	265	14.3	3	2543	44.0	3
Period total		98	86	-	184	100.0	187	34.3	1833	230	102.2	184
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	2	-	4	8.0	170	-	1	2111	42.3	4
	5	11	8	-	19	38.0	165	20.3	8	2274	81.3	19
	6	11	13	-	24	48.0	191	13.1	10	2299	51.4	24
	7	-	-	-	-	-	-	-	-	-	-	-
	8	2	1	-	3	6.0	241	-	1	2399	51.3	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		26	24	-	50	100.0	182	25.7	200	227	31.3	50
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.4	56	8.56	22	1899	92.9	2
	3	5	3	-	8	1.5	111	19.2	7	2000	101.7	8
	4	51	46	-	97	18.4	135	20.6	84	2111	92.2	97
	5	85	87	-	172	32.7	164	26.7	139	2223	92.3	172
	6	105	94	-	199	37.8	189	26.9	132	2332	92.0	199
	7	7	7	-	14	2.7	215	23.4	12	2440	100.1	14
	8	8	18	-	26	4.9	223	27.6	20	2442	92.7	26
	9	1	2	-	3	.6	219	22.0	3	2333	31.1	3
	10	-	1	-	1	.2	217	-	1	2500	-	1
	11+	4	-	-	4	.8	255	21.7	4	2533	31.9	4
Total		268	258	-	526	100.0	172	37.3	4334	226	144.1	525

Table 116. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	8	1	-	9	12.7	129	24.1	9	208	12.5	9
	5	7	2	-	9	12.7	165	15.7	9	223	6.7	9
5/12- 5/18	6	29	13	-	42	59.2	183	24.2	42	228	8.4	42
	7	1	3	-	4	5.6	237	13.7	4	244	1.3	4
	8	4	1	-	5	7.0	214	25.1	5	242	5.3	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	2	-	-	2	2.8	267	20.5	2	254	5.7	2
Period total		51	20	-	71	100.0	182	36.5	71	227	12.9	71

Table 117. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/28- 5/ 4	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	4	3	-	7	13.7	-	-	-	212	7.4	7
	5	8	4	-	12	23.5	-	-	-	218	6.7	12
	6	9	14	-	23	45.1	-	-	-	231	5.9	23
	7	2	-	-	2	3.9	-	-	-	219	12.0	2
	8	1	4	-	5	9.8	-	-	-	241	7.7	5
	9	1	1	-	2	3.9	-	-	-	249	.0	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	26	-	51	100.0	-	-	-	227	11.7	51
5/ 5- 5/11	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	6	6	-	12	21.1	152	17.8	12	213	8.0	12
	5	13	11	-	24	42.1	162	15.2	24	217	6.3	24
	6	8	9	-	17	29.8	191	23.1	17	228	9.5	17
	7	-	1	-	1	1.8	208	-	1	234	-	1
	8	-	3	-	3	5.3	229	23.0	3	245	9.2	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		27	30	-	57	100.0	173	27.5	57	221	11.3	57
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	10	9	-	19	17.6	152	17.8	12	212	7.6	19
	5	21	15	-	36	33.3	162	15.2	24	217	6.4	36
	6	17	23	-	40	37.0	191	23.1	17	230	7.6	40
	7	2	1	-	3	2.8	208	-	1	224	12.3	3
	8	1	7	-	8	7.4	229	23.0	3	243	7.8	8
	9	1	1	-	2	1.9	-	-	-	249	.0	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		52	56	-	108	100.0	173	27.5	57	224	11.8	108

Table 118. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Terror Bay, statistical area UG21, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	2.1	101	26.7	3	193	13.9	3
	4	23	23	-	46	31.5	133	19.3	46	209	7.6	46
	5	31	32	-	63	43.2	156	23.6	63	218	9.8	63
4/21- 4/27	6	13	7	-	20	13.7	179	23.4	20	227	8.9	19
	7	3	-	-	3	2.1	196	35.0	3	236	10.4	3
	8	2	6	-	8	5.5	232	30.2	8	240	9.3	8
	9	-	1	-	1	.7	234	-	1	241	-	1
	10	-	1	-	1	.7	217	-	1	250	-	1
	11+	1	-	-	1	.7	224	-	1	250	-	1
Period total		75	71	-	146	100.0	157	35.2	146	218	13.4	145

Table 119. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Village Islands, statistical area UG30, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	-	4	-	4	13.3	-	-	227	5.9	4
	5	2	3	-	5	16.7	-	-	235	7.9	5
5/ 5- 5/11	6	12	7	-	19	63.3	-	-	240	6.6	19
	7	1	1	-	2	6.7	-	-	234	12.7	2
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		15	15	-	30	100.0	-	-	237	8.2	30

Table 120. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Village Islands, statistical area UG30, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	10	-	1	11	13.1	-	-	175	3.4	11
	3	2	-	-	2	2.4	-	-	196	14.1	2
	4	5	3	-	8	9.5	-	-	221	12.7	8
	5	11	8	-	19	22.6	-	-	233	8.1	19
5/ 5- 5/11	6	19	20	-	39	46.4	-	-	240	7.3	39
	7	2	3	-	5	6.0	-	-	241	10.3	5
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		49	34	1	84	100.0	-	-	227	23.5	84

Table 121. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in W. Uganik Passage, statistical area UG31, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight		Number Weighed	Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Dev.		Mean (mm)	Std. Dev.
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.6	-	-	-	215	-
	4	4	9	-	13	21.3	134	22.1	7	214	10.7
4/28- 5/ 4	5	15	14	-	29	47.5	151	18.8	13	224	10.4
	6	9	5	-	14	23.0	173	18.1	10	233	9.7
	7	-	-	-	-	-	-	-	-	-	-
	8	-	4	-	4	6.6	-	-	-	255	5.1
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		29	32	-	61	100.0	154	24.0	30	226	14.1

Table 122. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in W. Uganik Passage, statistical area UG31, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	1	-	1	3.0	136	-	1	211	-	1
	5	3	7	-	10	30.3	168	11.9	10	225	6.6	10
4/28- 5/ 4	6	8	10	-	18	54.5	187	16.6	18	231	7.8	18
	7	1	-	-	1	3.0	176	-	1	237	-	1
	8	2	1	-	3	9.1	197	5.5	3	237	1.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		14	19	-	33	100.0	181	18.7	33	229	8.3	33

Table 123. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in N.E. Arm Uganik Bay, statistical area UG32, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	1.2	124	-	1	200	-	1
	4	6	3	-	9	10.7	153	23.1	9	215	8.2	9
	5	7	12	-	19	22.6	179	24.9	18	228	7.7	19
5/12- 5/18	6	17	30	-	47	56.0	196	30.1	47	236	9.1	47
	7	1	2	-	3	3.6	205	20.9	3	245	3.2	3
	8	-	4	-	4	4.8	227	30.0	4	243	14.0	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.2	261	-	1	255	-	1
Period total		33	51	-	84	100.0	190	33.6	83	232	12.0	84

Table 124. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in E. Arm Uganik Bay, statistical area UG33, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
4/28- 5/ 4	1	-	-	-	-	-	-	-	-	-	-	
	2	2	-	-	2	3.6	56	3.5	2	159	9.9	2
	3	-	2	-	2	3.6	120	11.3	2	203	4.9	2
	4	8	4	-	12	21.8	129	12.1	12	211	8.5	12
	5	8	12	-	20	36.4	176	23.5	20	227	7.0	20
	6	7	10	-	17	30.9	194	27.5	17	237	5.3	17
	7	-	1	-	1	1.8	245	-	1	255	-	1
	8	-	1	-	1	1.8	201	-	1	237	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	30	-	55	100.0	167	41.5	55	224	18.2	55
5/12- 5/18	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.3	109	-	1	200	-	1
	4	2	2	-	4	5.1	170	-	1	211	4.3	4
	5	15	12	-	27	34.2	174	23.1	16	224	8.0	27
	6	18	22	-	40	50.6	197	24.1	26	230	6.3	40
	7	1	-	-	1	1.3	187	-	1	219	-	1
	8	2	2	-	4	5.1	216	35.4	2	236	6.8	4
	9	1	1	-	2	2.5	212	25.5	2	236	1.4	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		40	39	-	79	100.0	188	28.5	49	227	9.0	79
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	1.5	56	3.5	2	159	9.9	2
	3	1	2	-	3	2.2	116	10.2	3	202	3.8	3
	4	10	6	-	16	11.9	132	16.3	13	211	7.5	16
	5	23	24	-	47	35.1	175	23.0	36	225	7.6	47
	6	25	32	-	57	42.5	196	25.2	43	232	6.8	57
	7	1	1	-	2	1.5	216	41.0	2	237	25.5	2
	8	2	3	-	5	3.7	211	26.5	3	236	5.9	5
	9	1	1	-	2	1.5	212	25.5	2	236	1.4	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		65	69	-	134	100.0	177	37.4	104	226	13.6	134

Table 125. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uyak District, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	1	-	2	.8	65	11.3	2	175	5.7	2
	3	1	1	-	2	.8	95	-	1	191	7.1	2
	4	10	8	-	18	7.5	130	31.1	11	204	11.3	17
	5	23	25	-	48	20.0	158	23.6	31	217	7.6	48
5/ 1- 5/15	6	65	92	-	157	65.4	184	23.5	102	227	8.1	157
	7	2	2	-	4	1.7	204	32.9	4	235	3.0	4
	8	4	4	-	8	3.3	197	16.4	5	231	5.5	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.4	242	-	1	248	-	1
Period total		106	134	-	240	100.0	174	32.6	157	223	12.0	239

Table 126. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/28- 5/ 4	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	1	-	1	1.4	111	-	1	-	-	
	5	6	10	-	16	23.2	155	22.2	16	217	8.4	16
	6	19	24	-	43	62.3	178	18.9	43	225	7.7	43
	7	2	2	-	4	5.8	204	32.9	4	235	3.0	4
	8	2	2	-	4	5.8	191	9.6	4	230	4.8	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.4	242	-	1	248	-	1
Period total		29	40	-	69	100.0	175	25.9	69	224	9.2	68
5/ 5- 5/11	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.2	-	-	-	196	-	1
	4	5	2	-	7	8.4	-	-	-	211	9.0	7
	5	12	5	-	17	20.5	-	-	-	217	7.6	17
	6	21	34	-	55	66.3	-	-	-	229	9.0	55
	7	-	-	-	-	-	-	-	-	-	-	-
	8	2	1	-	3	3.6	-	-	-	232	7.8	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		40	43	-	83	100.0	-	-	-	224	11.1	83
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	.7	-	-	-	196	-	1
	4	5	3	-	8	5.3	111	-	1	211	9.0	7
	5	18	15	-	33	21.7	155	22.2	16	217	7.9	33
	6	40	58	-	98	64.5	178	18.9	43	227	8.6	98
	7	2	2	-	4	2.6	204	32.9	4	235	3.0	4
	8	4	3	-	7	4.6	191	9.6	4	231	5.8	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.7	242	-	1	248	-	1
Total		69	83	-	152	100.0	175	25.9	69	224	10.3	151

Table 127. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	-	2	2.3	65	11.3	2	175	5.7	2
	3	1	-	-	1	1.1	95	-	1	186	-	1
	4	5	5	-	10	11.4	132	32.1	10	199	10.4	10
	5	5	10	-	15	17.0	162	25.2	15	217	7.2	15
4/28- 5/ 4	6	25	34	-	59	67.0	188	25.7	59	227	7.2	59
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	1.1	222	-	1	234	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	51	-	88	100.0	174	37.1	88	221	14.3	88

Table 128. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	1	1	-	2	3.1	138	14.8	2	218	3.5	2
5/ 5- 5/11	5	2	2	-	4	6.3	165	39.3	3	227	8.3	4
	6	36	21	-	57	89.1	179	21.2	51	237	8.6	57
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	1	1.6	215	-	1	248	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		40	24	-	64	100.0	178	23.5	57	236	9.4	64
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-
5/12- 5/18	5	6	2	-	8	14.0	-	-	-	233	6.9	8
	6	22	25	-	47	82.5	-	-	-	239	7.6	47
	7	-	1	-	1	1.8	-	-	-	233	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.8	-	-	-	264	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	29	-	57	100.0	-	-	-	239	8.4	57
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	1	1	-	2	1.7	138	14.8	2	218	3.5	2
All periods	5	8	4	-	12	9.9	165	39.3	3	231	7.7	12
	6	58	46	-	104	86.0	179	21.2	51	238	8.2	104
	7	-	1	-	1	.8	-	-	-	233	-	1
	8	1	-	-	1	.8	215	-	1	248	-	1
	9	-	1	-	1	.8	-	-	-	264	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		68	53	-	121	100.0	178	23.5	57	237	9.0	121

Table 129. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	9	2	1	12	1.5	64	8.9	9	176	8.4	12
	3	1	1	-	2	.3	130	48.1	2	206	26.9	2
	4	166	140	-	306	38.9	161	24.4	288	220	8.3	306
	5	129	162	-	291	37.0	180	24.0	281	228	8.1	291
	6	74	62	-	136	17.3	215	27.5	131	238	7.8	136
	7	7	9	-	16	2.0	225	29.3	14	244	9.2	16
	8	10	9	-	19	2.4	231	24.9	19	249	9.5	19
	9	1	2	-	3	.4	252	43.9	3	247	10.4	3
	10	-	1	-	1	.1	248	-	1	248	-	1
	11+	-	1	-	1	.1	300	-	1	261	-	1
Period total		397	389	1	787	100.0	180	35.8	749	227	13.0	787
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	.8	112	76.4	2	176	10.5	3
	3	6	2	-	8	2.1	92	24.4	8	192	15.2	8
	4	117	88	-	205	53.4	149	22.2	152	219	8.9	205
	5	56	38	-	94	24.5	174	24.1	62	228	7.7	94
	6	31	33	-	64	16.7	221	23.2	31	241	6.8	64
	7	3	3	-	6	1.6	219	26.9	6	245	9.5	6
	8	1	2	-	3	.8	270	-	1	252	3.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.3	270	-	1	264	-	1
Period total		218	166	-	384	100.0	164	37.5	263	224	13.9	384
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	2.0	73	.0	2	178	3.5	2
	3	-	-	-	-	-	-	-	-	-	-	-
	4	13	11	-	24	24.5	173	33.5	24	223	9.6	24
	5	14	7	-	21	21.4	190	25.7	20	231	9.7	21
	6	25	16	-	41	41.8	218	28.2	41	243	8.7	41
	7	3	4	-	7	7.1	224	10.5	7	247	3.4	7
	8	1	1	-	2	2.0	230	53.0	2	248	2.8	2
	9	-	1	-	1	1.0	293	-	1	260	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		58	40	-	98	100.0	199	39.9	97	235	15.1	98
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	2.0	90	-	1	185	-	1
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	1	-	1	2.0	174	-	1	213	-	1
	5	7	11	-	18	36.7	184	32.5	18	223	13.9	18
	6	10	18	-	28	57.1	230	30.3	28	236	7.5	28
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	2.0	285	-	1	259	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		18	31	-	49	100.0	210	42.7	49	230	14.3	49

-Continued-

Table 129. (page 2 of 2)

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	15	2	1	18	1.4	74	28.5	14	177	8.0	18
	3	7	3	-	10	.8	99	31.3	10	195	17.1	10
	4	296	240	-	536	40.7	158	25.1	465	220	8.6	536
	5	206	218	-	424	32.2	180	24.7	381	228	8.5	424
All periods	6	140	129	-	269	20.4	218	27.7	231	239	7.9	269
	7	13	16	-	29	2.2	223	24.5	27	245	8.1	29
	8	12	12	-	24	1.8	232	27.2	22	249	8.5	24
	9	1	4	-	5	.4	267	37.2	5	252	10.1	5
	10	-	1	-	1	.1	248	-	1	248	-	1
	11+	1	1	-	2	.2	285	21.2	2	263	2.1	2
	Total	691	626	1	1318	100.0	179	38.5	1158	227	13.7	1318

Table 130. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Barling Bay, statistical area G021, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight Mean (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number	Dev. Weighed	Mean	Std. Number	Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.0	-	-	186	-	1	
	3	-	-	-	-	-	-	-	-	-	-	
	4	27	18	-	45	46.4	179	27.3	41	224	7.3	45
	5	8	21	-	29	29.9	202	23.0	28	234	8.3	29
4/21- 4/27	6	8	8	-	16	16.5	226	24.4	16	243	10.0	16
	7	1	1	-	2	2.1	228	39.6	2	246	10.6	2
	8	4	-	-	4	4.1	222	18.5	4	252	6.4	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		49	48	-	97	100.0	197	31.3	91	231	12.4	97

Table 131. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anee Bay, statistical area G022, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/21- 4/27	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	76	-	1	181	-	1
	3	-	-	-	-	-	-	-	-	-	-	-
	4	59	56	-	115	35.8	172	22.2	101	222	7.8	115
	5	41	54	-	95	29.6	186	22.8	85	229	7.2	95
	6	45	42	-	87	27.1	215	24.3	82	238	6.9	87
	7	4	5	-	9	2.8	228	27.0	7	245	9.8	9
	8	5	5	-	10	3.1	240	29.3	10	250	9.6	10
	9	-	3	-	3	.9	255	47.3	3	247	11.0	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.3	300	-	1	261	-	1
Period total		155	166	-	321	100.0	193	33.0	290	230	11.3	321

Table 132. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anee Bay, statistical area G022, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	7	4	-	11	18.6	168	32.3	11	234	31.6
	5	12	7	-	19	32.2	185	23.2	19	233	7.3
4/21- 4/27	6	14	11	-	25	42.4	196	18.5	25	241	6.9
	7	-	1	-	1	1.7	147	-	1	225	-
	8	2	1	-	3	5.1	233	42.7	3	244	10.7
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		35	24	-	59	100.0	188	28.1	59	237	15.2

Table 133. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Shearwater Bay, statistical area G042, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight Mean (gm)	Std. Number Dev. Weighed	Std. Length		
		Male	Female	Unknown				Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	
	2	1	-	-	1	.9	-	186	-	1
	3	-	-	-	-	-	-	-	-	-
	4	28	20	-	48	43.6	-	220	8.3	48
	5	19	8	-	27	24.5	-	226	7.9	27
4/28- 5/ 4	6	18	14	-	32	29.1	-	239	5.5	32
	7	-	-	-	-	-	-	-	-	-
	8	1	1	-	2	1.8	-	254	2.1	2
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		67	43	-	110	100.0	-	227	12.0	110

Table 134. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	25	17	-	42	93.3	144	13.8	41	214	5.6	42
4/28- 5/ 4	5	2	-	-	2	4.4	150	-	1	212	.0	2
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	2.2	189	-	1	238	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	17	-	45	100.0	145	15.1	43	214	6.5	45
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	1.6	58	-	1	165	-	1
	3	4	-	-	4	6.3	71	15.8	4	180	11.8	4
	4	30	21	-	51	79.7	140	21.3	49	217	9.5	51
5/ 5- 5/11	5	5	1	-	6	9.4	145	7.8	5	226	4.0	6
	6	-	1	-	1	1.6	214	-	1	241	-	1
	7	1	-	-	1	1.6	186	-	1	234	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	23	-	64	100.0	137	30.4	61	215	15.0	64
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.9	58	-	1	165	-	1
	3	4	-	-	4	3.7	71	15.8	4	180	11.8	4
	4	55	38	-	93	85.3	142	18.2	90	215	8.1	93
All periods	5	7	1	-	8	7.3	146	7.3	6	222	7.2	8
	6	-	1	-	1	.9	214	-	1	241	-	1
	7	2	-	-	2	1.8	188	2.1	2	236	2.8	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		69	40	-	109	100.0	140	25.5	104	215	12.2	109

Table 135. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	26	25	-	51	53.1	154	19.9	51	220	8.6	51
4/28- 5/ 4	5	23	18	-	41	42.7	179	21.8	41	229	7.5	41
	6	1	3	-	4	4.2	212	10.6	4	237	4.7	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		50	46	-	96	100.0	167	25.4	96	225	9.5	96
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	22	9	-	31	44.9	156	21.3	31	222	9.0	31
5/ 5- 5/11	5	16	10	-	26	37.7	183	22.6	26	232	6.2	26
	6	6	4	-	10	14.5	206	17.6	10	239	6.4	10
	7	1	1	-	2	2.9	237	4.2	2	252	9.2	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	24	-	69	100.0	176	29.7	69	229	10.6	69
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	48	34	-	82	49.7	155	20.3	82	221	8.7	82
All periods	5	39	28	-	67	40.6	180	22.0	67	230	7.1	67
	6	7	7	-	14	8.5	208	15.7	14	238	5.8	14
	7	1	1	-	2	1.2	237	4.2	2	252	9.2	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		95	70	-	165	100.0	171	27.5	165	226	10.1	165

Table 136. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Womens Bay, statistical area G060, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.7	165	-	1	222	-	1
	4	13	6	-	19	32.8	152	14.1	15	217	5.7	19
	5	20	12	-	32	55.2	172	26.3	26	224	9.0	32
4/14- 4/20	6	3	1	-	4	6.9	185	23.4	4	231	13.6	4
	7	2	-	-	2	3.4	213	10.6	2	246	4.2	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	20	-	58	100.0	168	25.8	48	223	10.1	58

Table 137. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Monashka Bay, statistical area G070, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	2.9	73	.0	2	178	3.5	2
	3	-	-	-	-	-	-	-	-	-	-	-
	4	7	4	-	11	16.2	173	41.5	11	223	8.1	11
	5	12	4	-	16	23.5	188	26.3	16	232	10.1	16
5/19- 5/25	6	22	9	-	31	45.6	219	29.9	31	245	8.3	31
	7	3	4	-	7	10.3	224	10.5	7	247	3.4	7
	8	1	-	-	1	1.5	192	-	1	246	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		47	21	-	68	100.0	200	40.9	68	237	15.8	68

Table 138. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/21- 4/27	1	-	-	-	-	-	-	-	-	-	-	-
	2	7	2	1	10	8.3	62	8.1	8	174	8.3	10
	3	-	-	-	-	-	-	-	-	-	-	-
	4	17	14	-	31	25.6	143	21.2	31	213	8.5	31
	5	23	40	-	63	52.1	167	19.5	63	223	6.7	63
	6	9	3	-	12	9.9	198	19.6	12	233	8.5	12
	7	1	-	-	1	.8	161	-	1	226	-	1
	8	-	3	-	3	2.5	235	1.5	3	248	12.2	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.8	248	-	1	248	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		57	63	1	121	100.0	159	38.2	119	218	17.0	121
6/ 2- 6/ 8	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	2.0	90	-	1	185	-	1
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	1	-	1	2.0	174	-	1	213	-	1
	5	7	11	-	18	36.7	184	32.5	18	223	13.9	18
	6	10	18	-	28	57.1	230	30.3	28	236	7.5	28
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	2.0	285	-	1	259	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		18	31	-	49	100.0	210	42.7	49	230	14.3	49
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	8	2	1	11	6.5	65	12.0	9	175	8.5	11
	3	-	-	-	-	-	-	-	-	-	-	-
	4	17	15	-	32	18.8	144	21.6	32	213	8.3	32
	5	30	51	-	81	47.6	171	23.8	81	223	8.7	81
	6	19	21	-	40	23.5	220	31.0	40	235	7.8	40
	7	1	-	-	1	.6	161	-	1	226	-	1
	8	-	3	-	3	1.8	235	1.5	3	248	12.2	3
	9	-	1	-	1	.6	285	-	1	259	-	1
	10	-	1	-	1	.6	248	-	1	248	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		75	94	1	170	100.0	174	45.7	168	222	17.1	170

Table 139. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/21- 4/27	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	1.1	96	-	1	187	-	1
	4	21	12	-	33	34.7	151	20.1	33	216	7.4	33
	5	19	16	-	35	36.8	179	24.4	35	224	7.3	35
	6	10	11	-	21	22.1	219	40.1	21	238	8.0	21
	7	-	2	-	2	2.1	226	16.3	2	244	7.8	2
	8	1	2	-	3	3.2	219	32.4	3	242	9.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		52	43	-	95	100.0	179	39.2	95	225	12.2	95
4/28- 5/ 4	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	1.0	166	-	1	177	-	1
	3	2	2	-	4	4.2	112	5.7	4	205	2.5	4
	4	12	21	-	33	34.4	163	25.8	31	223	8.7	33
	5	14	19	-	33	34.4	173	23.1	30	227	7.7	33
	6	7	14	-	21	21.9	229	22.7	20	246	6.6	21
	7	-	2	-	2	2.1	234	23.3	2	249	9.2	2
	8	-	1	-	1	1.0	270	-	1	248	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.0	270	-	1	264	-	1
Period total		37	59	-	96	100.0	182	40.3	90	229	14.5	96
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.5	166	-	1	177	-	1
	3	3	2	-	5	2.6	109	8.7	5	201	8.1	5
	4	33	33	-	66	34.6	156	23.6	64	220	8.7	66
	5	33	35	-	68	35.6	176	23.8	65	226	7.6	68
	6	17	25	-	42	22.0	224	32.7	41	242	8.3	42
	7	-	4	-	4	2.1	230	17.1	4	246	7.5	4
	8	1	3	-	4	2.1	232	36.8	4	244	8.3	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.5	270	-	1	264	-	1
Total		89	102	-	191	100.0	181	39.7	185	227	13.6	191

Table 140. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Middle Bay, statistical area G101, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.1	164	-	1	225	-	1
	4	22	22	-	44	50.6	152	17.1	44	220	7.8	44
	5	17	16	-	33	37.9	177	22.3	33	231	8.3	33
4/21- 4/27	6	4	2	-	6	6.9	195	14.4	6	238	5.2	6
	7	1	1	-	2	2.3	241	17.7	2	243	1.4	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.1	284	-	1	259	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	42	-	87	100.0	168	28.9	87	226	10.7	87

Table 141. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/16- 5/31	1	-	-	29	29	7.0	14	5.1	28	105	20.2	29
	2	39	22	36	97	23.4	45	13.2	75	155	16.5	96
	3	-	2	-	2	.5	71	42.4	2	172	31.1	2
	4	76	46	-	122	29.4	136	21.1	68	212	11.0	122
	5	17	15	-	32	7.7	166	31.1	22	223	14.1	32
	6	54	62	-	116	28.0	202	34.0	80	233	12.5	116
	7	6	3	-	9	2.2	184	22.7	9	228	9.7	9
	8	2	3	-	5	1.2	218	26.9	5	234	11.0	5
	9	1	2	-	3	.7	189	10.1	3	225	5.9	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		195	155	65	415	100.0	124	74.3	292	199	41.6	414
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	1.6	-	-	-	164	4.0	3
	3	1	-	-	1	.5	81	-	1	184	-	1
	4	37	24	-	61	31.6	122	19.7	16	204	8.7	61
	5	19	8	-	27	14.0	134	34.7	3	211	13.3	27
	6	50	33	-	83	43.0	168	24.6	18	224	9.1	83
	7	2	3	-	5	2.6	226	7.8	2	237	4.2	5
	8	-	1	-	1	.5	-	-	-	216	-	1
	9	1	-	-	1	.5	-	-	-	231	-	1
	10	2	-	-	2	1.0	-	-	-	241	11.3	2
	11+	4	5	-	9	4.7	215	61.5	2	240	14.8	9
Period total		119	74	-	193	100.0	151	40.1	42	216	16.4	193
All periods	1	-	-	29	29	4.8	14	5.1	28	105	20.2	29
	2	42	22	36	100	16.4	45	13.2	75	155	16.3	99
	3	1	2	-	3	.5	74	30.6	3	176	23.1	3
	4	113	70	-	183	30.1	133	21.4	84	209	11.0	183
	5	36	23	-	59	9.7	162	32.5	25	218	14.9	59
	6	104	95	-	199	32.7	196	35.0	98	229	12.1	199
	7	8	6	-	14	2.3	191	26.5	11	231	9.0	14
	8	2	4	-	6	1.0	218	26.9	5	231	12.4	6
	9	2	2	-	4	.7	189	10.1	3	227	5.6	4
	10	2	-	-	2	.3	-	-	-	241	11.3	2
	11+	4	5	-	9	1.5	215	61.5	2	240	14.8	9
Total		314	229	65	608	100.0	127	71.4	334	204	36.4	607

Table 142. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Inner Alitak Bay, statistical area AL20, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
6/ 2- 6/ 8	1	1	-	-	1	1.2	23	-	1	115	-	1
	2	35	41	6	82	96.5	52	7.7	82	154	7.1	82
	3	1	1	-	2	2.4	47	4.2	2	153	2.1	2
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	42	6	85	100.0	52	8.3	85	154	8.2	85
8/ 4- 8/10	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	1	2	4	4.9	-	-	-	179	3.8	4
	4	2	2	2	6	7.3	-	-	-	204	4.7	6
	5	12	11	1	24	29.3	-	-	-	219	9.2	24
	6	11	7	2	20	24.4	-	-	-	225	7.9	20
	7	5	4	2	11	13.4	-	-	-	226	8.1	11
	8	7	1	1	9	11.0	-	-	-	236	9.6	9
	9	3	3	-	6	7.3	-	-	-	225	17.0	6
	10	-	1	-	1	1.2	-	-	-	221	-	1
	11+	1	-	-	1	1.2	-	-	-	248	-	1
Period total		42	30	10	82	100.0	-	-	-	221	15.2	82
All periods	1	1	-	-	1	.6	23	-	1	115	-	1
	2	35	41	6	82	49.1	52	7.7	82	154	7.1	82
	3	2	2	2	6	3.6	47	4.2	2	170	13.9	6
	4	2	2	2	6	3.6	-	-	-	204	4.7	6
	5	12	11	1	24	14.4	-	-	-	219	9.2	24
	6	11	7	2	20	12.0	-	-	-	225	7.9	20
	7	5	4	2	11	6.6	-	-	-	226	8.1	11
	8	7	1	1	9	5.4	-	-	-	236	9.6	9
	9	3	3	-	6	3.6	-	-	-	225	17.0	6
	10	-	1	-	1	.6	-	-	-	221	-	1
	11+	1	-	-	1	.6	-	-	-	248	-	1
Total		79	72	16	167	100.0	52	8.3	85	187	35.9	167

Table 143. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Deadman Bay, statistical area AL21, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/19- 5/25	1	-	-	-	-	-	-	-	-	-	-	-
	2	15	14	25	54	96.4	44	8.0	54	151	8.8	53
	3	-	1	-	1	1.8	41	-	1	150	-	1
	4	-	-	-	-	-	-	-	-	-	-	-
	5	1	-	-	1	1.8	142	-	1	203	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		16	15	25	56	100.0	45	15.3	56	152	11.1	55
5/26- 6/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	18	4	-	22	18.8	-	-	-	172	6.8	22
	3	-	-	-	-	-	-	-	-	-	-	-
	4	33	19	-	52	44.4	-	-	-	216	9.6	52
	5	6	4	-	10	8.5	-	-	-	224	11.3	10
	6	20	13	-	33	28.2	-	-	-	233	10.7	33
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		77	40	-	117	100.0	-	-	-	213	23.2	117
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	33	18	25	76	43.9	44	8.0	54	157	12.6	75
	3	-	1	-	1	.6	41	-	1	150	-	1
	4	33	19	-	52	30.1	-	-	-	216	9.6	52
	5	7	4	-	11	6.4	142	-	1	222	12.5	11
	6	20	13	-	33	19.1	-	-	-	233	10.7	33
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		93	55	25	173	100.0	45	15.3	56	194	35.0	172

Table 144. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Deadman Bay, statistical area AL21, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	8	9	-	17	30.4	-	-	226	8.9	17
	5	8	-	-	8	14.3	-	-	225	9.5	8
5/19- 5/25	6	15	16	-	31	55.4	-	-	239	9.1	31
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		31	25	-	56	100.0	-	-	233	11.3	56

Table 145. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	29	29	16.4	14	5.1	28	105	20.2	29
	2	2	2	11	15	8.5	39	19.3	15	137	21.1	15
	3	-	-	-	-	-	-	-	-	-	-	-
	4	38	20	-	58	32.8	132	19.9	57	205	8.9	58
	5	7	6	-	13	7.3	155	28.9	13	215	10.4	13
5/26- 6/ 1	6	21	29	-	50	28.2	187	32.0	47	225	9.8	50
	7	3	2	-	5	2.8	176	25.0	5	223	9.0	5
	8	2	2	-	4	2.3	214	28.4	4	231	7.7	4
	9	1	2	-	3	1.7	189	10.1	3	225	5.9	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		74	63	40	177	100.0	126	68.3	172	191	46.6	177

Table 146. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Sulua Bay, statistical area AU-510, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Stdl. Length		
		Male	Female	Unknown			Mean (gm)	Stdl. Dev.	Number Weighed	Mean (mm)	Stdl. Dev.	Number Measured
6/ 2- 6/ 8	1	-	-	2	2	1.7	155	1.0	22	10.55	22.1	2
	2	51	17	2	71	60.2	122	14.3	71	16.0	93.3	71
	3	2	-	1	3	2.5	177	31.8	3	16.8	4.22	3
	4	16	14	-	30	25.4	130	19.1	30	19.8	23.5	30
	5	4	2	-	6	5.1	160	14.3	6	20.5	26.56	6
	6	3	1	-	4	3.4	179	25.4	4	21.6	92.11	4
	7	-	1	-	1	.8	155	-	1	21.7	-	1
	8	1	-	-	1	.8	168	-	1	21.8	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		77	35	5	118	100.0	333	42.0	118	17.6	23.8	118

Table 147. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	1.6	-	-	-	164	4.0	3
	3	1	-	-	1	.5	81	-	1	184	-	1
	4	37	24	-	61	31.6	122	19.7	16	204	8.7	61
	5	19	8	-	27	14.0	134	34.7	3	211	13.3	27
6/ 2- 6/ 8	6	50	33	-	83	43.0	168	24.6	18	224	9.1	83
	7	2	3	-	5	2.6	226	7.8	2	237	4.2	5
	8	-	1	-	1	.5	-	-	-	216	-	1
	9	1	-	-	1	.5	-	-	-	231	-	1
	10	2	-	-	2	1.0	-	-	-	241	11.3	2
	11+	4	5	-	9	4.7	215	61.5	2	240	14.8	9
Period total		119	74	-	193	100.0	151	40.1	42	216	16.4	193

Table 148. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Upper Olga Bay, statistical area AL50, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	2	3	3	8	18.6	-	-	153	13.6	8
	3	-	-	-	-	-	-	-	-	-	
	4	11	13	-	24	55.8	-	-	188	11.5	24
	5	2	5	-	7	16.3	-	-	186	10.8	7
5/26- 6/ 1	6	1	3	-	4	9.3	-	-	209	10.5	4
	7	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	
Period total		16	24	3	43	100.0	-	-	183	19.4	43

Table 149. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Jap Bay, statistical area AL60, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	4	2	-	6	9.2	69	6.8	6	176	7.4	6
	3	-	1	-	1	1.5	101	-	1	194	-	1
	4	5	7	-	12	18.5	156	15.2	11	223	7.3	12
	5	3	5	-	8	12.3	187	26.4	8	238	9.0	8
5/19- 5/25	6	13	20	-	33	50.8	224	23.8	33	246	6.7	33
	7	3	1	-	4	6.2	194	16.7	4	236	4.4	4
	8	-	1	-	1	1.5	238	-	1	250	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	37	-	65	100.0	189	52.7	64	233	22.1	65

Table 150. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1926.

Sample Period	Age (years)	Sex			Percent of Total	Weights			Stad. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	1	-	1	12.5	-	-	-	20.4	-	1
	5	-	1	-	1	12.5	-	-	-	23.5	-	1
	6	1	-	-	1	12.5	-	-	-	21.8	-	1
	7	1	1	-	2	25.0	-	-	-	24.5	4.22	2
	8	1	2	-	3	37.5	-	-	-	24.6	7.22	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		3	5	-	8	100.0	-	-	-	23.97	14.99	8
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	3	3	1	7	4.6	142	222.0	66	21.5	31.33	7
	5	14	15	2	31	20.4	177	174.7	186	22.24	77.16	361
	6	18	14	1	33	21.7	200	222.6	300	25.22	77.3	353
	7	22	11	-	33	21.7	200	222.7	187	25.13	92.35	353
	8	19	18	-	37	24.3	232	277.3	111	24.33	77.0	377
	9	9	1	-	10	6.6	223	-	71	25.22	122.6	110
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.7	-	-	-	27.5	-	1
Period total		85	63	4	152	100.0	196	370.3	381	23.6	113.7	1532
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.6	-	-	-	15.5	1.7	2
	3	4	3	-	7	2.1	105	113.4	22	19.7	27.1	7
	4	26	16	1	43	12.9	170	152.3	111	21.2	92.4	43
	5	33	30	-	63	18.9	183	186.3	110	22.2	101.3	63
	6	23	12	-	35	10.5	200	225.6	9	25.5	116.9	35
	7	29	27	-	56	16.8	247	277.6	99	24.4	110.2	56
	8	48	33	-	81	24.3	235	401.3	211	25.1	78.8	81
	9	15	21	-	36	10.8	253	310.6	44	24.9	117.1	36
	10	4	2	-	6	1.8	317	192.3	2	25.9	77.6	6
	11+	2	2	-	4	1.2	273	-	11	25.3	38.3	4
Period total		186	146	1	333	100.0	214	522.3	697	23.7	110.2	333
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.4	-	-	-	15.5	1.7	2
	3	4	3	-	7	1.4	105	113.4	22	19.7	27.1	7
	4	29	20	2	51	10.3	160	143.3	117	21.2	92.2	51
	5	47	46	2	95	19.3	179	187.7	126	22.7	101.6	95
	6	42	26	1	69	14.0	200	223.0	39	23.4	113.2	69
	7	52	39	-	91	18.5	216	316.1	286	24.2	110.2	91
	8	68	53	-	121	24.5	234	336.3	332	25.0	81.4	121
	9	24	22	-	46	9.3	247	291.3	5	25.0	116.2	46
	10	4	2	-	6	1.2	317	192.3	2	25.9	77.6	6
	11+	2	3	-	5	1.0	273	-	11	25.1	110.6	5
Total		274	214	5	493	100.0	204	431.2	350	23.7	113.3	493

Table 151. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kukak Bay, statistical area M020, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	3	3	-	6	7.4	142	22.0	6	213	9.6	6
	5	7	9	-	16	19.8	177	14.7	16	222	5.9	16
5/12- 5/18	6	18	12	-	30	37.0	200	22.6	30	231	7.9	30
	7	10	7	-	17	21.0	200	22.7	17	232	6.6	17
	8	3	8	-	11	13.6	232	27.5	11	242	8.1	11
	9	1	-	-	1	1.2	223	-	1	231	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		42	39	-	81	100.0	196	30.8	81	230	10.5	81

Table 152. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kukak Bay, statistical area M020, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	1	1	-	2	3.6	148	2.1	2	222	3.5	2
	5	9	6	-	15	27.3	160	10.3	15	227	4.9	15
5/ 5- 5/11	6	14	8	-	22	40.0	185	23.2	22	234	8.5	22
	7	7	3	-	10	18.2	200	28.6	10	239	11.0	10
	8	1	2	-	3	5.5	240	35.6	3	249	.6	3
	9	1	-	-	1	1.8	310	-	1	266	-	1
	10	1	-	-	1	1.8	222	-	1	247	-	1
	11+	1	-	-	1	1.8	216	-	1	246	-	1
Period total		35	20	-	55	100.0	186	34.3	55	234	10.8	55

Table 153. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
4/14- 4/20	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	-	1	-	1	12.5	-	-	204	-	1
	5	-	1	-	1	12.5	-	-	231	-	1
	6	1	-	-	1	12.5	-	-	236	-	1
	7	1	1	-	2	25.0	-	-	243	4.2	2
	8	1	2	-	3	37.5	-	-	246	7.2	3
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		3	5	-	8	100.0	-	-	237	14.9	8
5/19- 5/25	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	3.8	-	-	175	14.0	3
	4	7	2	-	9	11.4	-	-	205	6.2	9
	5	7	8	-	15	19.0	-	-	218	9.0	15
	6	2	5	-	7	8.9	-	-	217	25.3	7
	7	5	11	-	16	20.3	-	-	235	9.3	16
	8	6	5	-	11	13.9	-	-	247	3.5	11
	9	7	8	-	15	19.0	-	-	240	20.1	15
	10	1	-	-	1	1.3	-	-	256	-	1
	11+	1	1	-	2	2.5	-	-	256	14.1	2
Period total		38	41	-	79	100.0	-	-	228	21.9	79
All periods	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	3.4	-	-	175	14.0	3
	4	7	3	-	10	11.5	-	-	205	5.9	10
	5	7	9	-	16	18.4	-	-	219	9.3	16
	6	3	5	-	8	9.2	-	-	219	24.4	8
	7	6	12	-	18	20.7	-	-	236	9.2	18
	8	7	7	-	14	16.1	-	-	247	4.2	14
	9	7	8	-	15	17.2	-	-	240	20.1	15
	10	1	-	-	1	1.1	-	-	256	-	1
	11+	1	1	-	2	2.3	-	-	256	14.1	2
Total		41	46	-	87	100.0	-	-	229	21.5	87

Table 154. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	-	-	1	1	1.4	-	-	214	-	1
5/12- 5/18	5	7	6	2	15	21.1	-	-	227	8.6	15
	6	-	2	1	3	4.2	-	-	235	8.4	3
	7	12	4	-	16	22.5	-	-	244	8.5	16
	8	16	10	-	26	36.6	-	-	250	4.8	26
	9	8	1	-	9	12.7	-	-	255	10.8	9
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.4	-	-	275	-	1
Period total		43	24	4	71	100.0	-	-	244	13.3	71

Table 155. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/12- 5/18	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.2	-	-	-	235	-	1
	4	5	5	-	10	12.0	-	-	-	215	7.3	10
	5	11	8	-	19	22.9	-	-	-	234	11.4	19
	6	5	1	-	6	7.2	-	-	-	249	11.0	6
	7	12	5	-	17	20.5	-	-	-	249	7.6	17
	8	13	12	-	25	30.1	-	-	-	254	9.2	25
	9	-	5	-	5	6.0	-	-	-	266	11.6	5
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		47	36	-	83	100.0	-	-	-	244	16.7	83
5/19- 5/25	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	1.2	-	-	-	155	.7	2
	3	1	2	-	3	1.8	105	18.4	2	207	19.9	3
	4	14	9	1	24	14.0	170	49.5	11	213	10.2	24
	5	15	14	-	29	17.0	183	26.3	10	228	10.3	29
	6	16	6	-	22	12.9	200	25.6	9	237	8.8	22
	7	12	11	-	23	13.5	247	37.4	9	246	8.7	23
	8	29	16	-	45	26.3	235	40.8	21	251	9.1	45
	9	8	8	-	16	9.4	253	30.6	4	254	7.9	16
	10	3	2	-	5	2.9	317	19.8	2	260	8.4	5
	11+	1	1	-	2	1.2	273	-	1	260	1.4	2
Period total		101	69	1	171	100.0	214	52.8	69	238	19.4	171
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.8	-	-	-	155	.7	2
	3	2	2	-	4	1.6	105	18.4	2	214	21.5	4
	4	19	14	1	34	13.4	170	49.5	11	214	9.4	34
	5	26	22	-	48	18.9	183	26.3	10	231	11.0	48
	6	21	7	-	28	11.0	200	25.6	9	240	10.3	28
	7	24	16	-	40	15.7	247	37.4	9	247	8.3	40
	8	42	28	-	70	27.6	235	40.8	21	252	9.2	70
	9	8	13	-	21	8.3	253	30.6	4	256	10.2	21
	10	3	2	-	5	2.0	317	19.8	2	260	8.4	5
	11+	1	1	-	2	.8	273	-	1	260	1.4	2
Total		148	105	1	254	100.0	214	52.8	69	240	18.7	254

Table 156. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.1	67	-	1	176	-	1
	3	123	103	-	226	27.1	92	26.4	164	184	9.6	226
	4	183	190	-	373	44.7	130	26.9	273	205	11.1	373
	5	40	47	-	87	10.4	171	29.8	74	222	9.5	87
	6	25	25	-	50	6.0	188	36.9	34	230	11.1	50
	7	22	31	-	53	6.3	200	35.8	45	233	7.8	53
	8	7	5	-	12	1.4	207	57.5	12	232	18.5	12
	9	3	3	-	6	0.7	226	30.1	4	247	15.2	6
	10	13	12	-	25	3.0	235	32.3	21	245	8.3	25
	11+	2	-	-	2	.2	202	44.5	2	243	.7	2
Period total		419	416	-	835	100.0	139	49.5	630	206	20.5	835
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.4	82	-	1	175	-	1
	3	38	35	3	76	26.9	112	23.2	59	192	14.0	76
	4	50	54	4	108	38.2	150	32.2	67	212	16.2	108
	5	29	50	-	79	27.9	189	33.0	50	229	10.4	79
	6	3	6	-	9	3.2	199	50.0	7	243	39.2	9
	7	4	2	-	6	2.1	217	27.3	6	241	6.3	6
	8	1	1	-	2	.7	185	-	1	234	18.4	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	2	-	2	.7	299	-	1	250	.0	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		126	150	7	283	100.0	153	46.0	192	213	22.0	283
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	3	-	9	12.0	100	15.7	9	190	7.3	9
	4	9	10	-	19	25.3	161	32.0	19	214	13.0	19
	5	25	18	-	43	57.3	184	31.2	43	227	11.9	43
	6	1	3	-	4	5.3	195	24.8	4	231	13.0	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	34	-	75	100.0	169	40.2	75	219	16.9	75
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.2	75	10.6	2	176	.7	2
	3	167	141	3	311	26.1	97	26.6	232	186	11.3	311
	4	242	254	4	500	41.9	136	29.8	359	207	12.9	500
	5	94	115	-	209	17.5	180	32.0	167	226	10.8	209
	6	29	34	-	63	5.3	190	37.7	45	232	18.0	63
	7	26	33	-	59	4.9	202	35.1	51	234	8.0	59
	8	8	6	-	14	1.2	205	55.4	13	232	17.8	14
	9	3	3	-	6	.5	226	30.1	4	247	15.2	6
	10	13	14	-	27	2.3	238	34.3	22	245	8.1	27
	11+	2	-	-	2	.2	202	44.5	2	243	.7	2
Total		586	600	7	1193	100.0	144	48.9	897	209	21.0	1193

Table 157. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Raspberry St., statistical area A010, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	3	4	-	7	25.0	-	-	-	224	7.4	7
	5	6	14	-	20	71.4	-	-	-	236	5.1	20
	6	1	-	-	1	3.6	-	-	-	235	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		10	18	-	28	100.0	-	-	-	233	7.5	28
5/20- 5/26	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	3	-	9	12.0	100	15.7	9	190	7.3	9
	4	9	10	-	19	25.3	161	32.0	19	214	13.0	19
	5	25	18	-	43	57.3	184	31.2	43	227	11.9	43
	6	1	3	-	4	5.3	195	24.8	4	231	13.0	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	34	-	75	100.0	169	40.2	75	219	16.9	75
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	3	-	9	8.7	100	15.7	9	190	7.3	9
	4	12	14	-	26	25.2	161	32.0	19	216	12.6	26
	5	31	32	-	63	61.2	184	31.2	43	230	11.0	63
	6	2	3	-	5	4.9	195	24.8	4	231	11.4	5
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		51	52	-	103	100.0	169	40.2	75	223	16.1	103

Table 158. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry St., statistical area A010, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/15- 4/21	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	4.3	139	24.7	2	212	14.1	2	
	4	6	9	-	15	31.9	142	20.6	15	209	7.0	15	
	5	11	12	-	23	48.9	178	29.2	23	224	9.5	23	
	6	-	1	-	1	2.1	158	-	1	221	-	1	
	7	1	3	-	4	8.5	202	21.7	4	231	10.6	4	
	8	1	1	-	2	4.3	240	13.4	2	235	13.4	2	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		20	27	-	47	100.0	169	34.9	47	220	12.1	47	
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	-	
	4	4	3	-	7	20.6	145	15.3	7	210	5.6	7	
	5	12	11	-	23	67.6	180	29.0	23	224	10.2	23	
	6	1	3	-	4	11.8	210	27.1	4	228	6.2	4	
	7	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		17	17	-	34	100.0	176	32.1	34	222	10.8	34	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	2.5	139	24.7	2	212	14.1	2	
	4	10	12	-	22	27.2	143	18.7	22	209	6.5	22	
	5	23	23	-	46	56.8	179	28.8	46	224	9.7	46	
	6	1	4	-	5	6.2	199	33.0	5	226	6.2	5	
	7	1	3	-	4	4.9	202	21.7	4	231	10.6	4	
	8	1	1	-	2	2.5	240	13.4	2	235	13.4	2	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		37	44	-	81	100.0	172	33.7	81	221	11.5	81	

Table 159. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.4	67	-	1	176	-	1
	3	41	44	-	85	34.3	87	21.3	85	183	8.4	85
	4	54	52	-	106	42.7	113	16.5	106	199	13.7	106
	5	9	15	-	24	9.7	151	22.5	24	219	8.3	24
4/15- 4/21	6	7	6	-	13	5.2	161	25.1	13	223	13.3	13
	7	5	6	-	11	4.4	193	38.4	11	229	10.0	11
	8	2	2	-	4	1.6	159	57.5	4	220	28.4	4
	9	1	-	-	1	.4	244	-	1	245	-	1
	10	2	1	-	3	1.2	210	15.1	3	241	6.0	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		122	126	-	248	100.0	116	38.2	248	199	19.1	248

Table 160. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Paramanof Bay, statistical area A031, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	40	25	-	65	24.5	83	28.8	44	181	7.5	65
	4	44	51	-	95	35.8	126	22.5	72	203	9.3	95
	5	15	12	-	27	10.2	163	18.8	20	220	9.6	27
4/15- 4/21	6	7	8	-	15	5.7	187	23.9	11	231	8.4	15
	7	15	17	-	32	12.1	195	29.1	27	233	5.6	32
	8	4	3	-	7	2.6	224	40.6	7	237	8.0	7
	9	1	2	-	3	1.1	220	33.9	3	239	12.3	3
	10	9	10	-	19	7.2	236	33.2	16	244	8.5	19
	11+	2	-	-	2	.8	202	44.5	2	243	.7	2
Period total		137	128	-	265	100.0	147	55.7	202	209	22.7	265

Table 161. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Foul Bay, statistical area A032, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Mean Std. Number Weighed (mm)	Std. Length		
		Male	Female	Unknown			Mean	Std. Number		Mean	Std. Number	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.2	68	-	1	174	-	1
	3	14	15	-	30	35.7	83	9.9	30	179	7.1	30
	4	14	14	-	28	33.3	124	19.1	28	202	11.0	28
4/15- 4/21	5	5	3	-	8	9.5	164	17.5	8	224	10.8	8
	6	3	3	-	6	7.1	169	18.1	6	217	13.4	6
	7	2	2	-	4	4.8	199	14.3	4	227	13.6	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	2	1	-	3	3.6	186	60.3	3	237	5.0	3
	10	4	-	-	4	4.8	229	22.4	4	240	11.4	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	38	-	84	100.0	126	46.8	84	201	22.3	84

Table 162. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Perenosa Bay, statistical area A070, 1984.

Sample Period	Age (years)	Sex			Percent of Total		Weight		Std. Length	
		Male	Female	Unknown	Total	Total	Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured
	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	13	15	-	28	33.3	-	-	179	8.1
	4	24	26	-	50	59.5	-	-	205	9.0
	5	1	1	-	2	2.4	-	-	222	11.3
4/15- 4/21	6	1	-	-	1	1.2	-	-	231	-
	7	1	-	-	1	1.2	-	-	229	-
	8	-	-	-	-	-	-	-	-	-
	9	1	1	-	2	2.4	-	-	260	19.1
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		41	43	-	84	100.0	-	-	199	18.8

Table 163. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Perenosa Bay, statistical area A070, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight Mean (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number	Dev. Weighed	Mean	Std. Number	Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	4.0	127	3.5	2	203	5.7	
	4	14	12	-	26	52.0	156	25.6	26	213	10.8	
	5	10	7	-	17	34.0	186	33.0	17	226	11.3	
5/20- 5/26	6	-	-	-	-	-	-	-	-	-	-	
	7	2	3	-	5	10.0	197	29.2	5	231	10.2	
	8	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		27	23	-	50	100.0	169	33.2	50	219	13.2	50

Table 164. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tonki Bay, statistical area A080, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weights			Std. Length		
		Male	Female	Unknown			Mean (gms)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	6	3	16	26.2	-	-	-	189	5.8	16
	4	13	16	4	33	54.1	-	-	-	206	11.3	33
	5	3	6	-	9	14.8	-	-	-	221	8.3	9
	6	-	1	-	1	1.6	-	-	-	229	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	1.6	-	-	-	221	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.6	-	-	-	250	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		23	31	7	61	100.0	-	-	-	208	15.9	61

Table 165. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Izhut Bay, statistical area A090, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number	Dev. Weighed	Mean (mm)	Std. Number	Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.8	82	-	1	175	-	1
	3	23	16	-	39	68.4	109	17.0	39	191	16.4	39
	4	4	4	-	8	14.0	133	34.9	8	200	16.9	8
	5	4	2	-	6	10.5	190	34.5	6	224	7.5	6
5/ 6- 5/12	6	1	1	-	2	3.5	130	24.0	2	204	15.6	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.8	299	-	1	250	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		33	24	-	57	100.0	125	40.9	57	197	19.9	57

Table 166. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Izhut Bay, statistical area A090, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	5.6	114	25.5	2	198	11.3
	4	15	13	-	28	77.8	158	14.4	28	218	6.2
	5	2	2	-	4	11.1	202	46.8	4	237	13.6
5/ 6- 5/12	6	1	1	-	2	5.6	218	65.8	2	243	17.0
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		19	17	-	36	100.0	164	31.5	36	221	12.2

Table 167. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kitoi Bay, statistical area A091, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	15	6	-	21	18.4	120	22.7	21	194	6.8	21
	4	26	36	-	62	54.4	159	19.9	61	211	7.8	62
4/15- 4/21	5	7	12	-	19	16.7	196	32.5	19	225	11.0	19
	6	2	3	-	5	4.4	245	21.3	5	239	7.1	5
	7	-	5	-	5	4.4	255	15.9	5	244	4.8	5
	8	1	-	-	1	.9	281	-	1	247	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.9	272	-	1	248	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	63	-	114	100.0	168	43.9	113	214	15.8	114

Table 168. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	20	24	-	44	30.6	117	34.3	27	195	12.6	44
	4	32	23	-	55	38.2	155	25.1	38	213	9.4	55
	5	12	8	-	20	13.9	208	25.9	8	230	9.7	20
	6	7	3	-	10	6.9	217	35.7	5	238	8.9	10
	7	7	5	-	12	8.3	242	22.9	6	241	5.8	12
	8	1	-	-	1	.7	185	-	1	223	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	1	-	2	1.4	202	114.6	2	223	42.4	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		80	64	-	144	100.0	159	49.3	87	214	19.2	144
5/27- 6/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	16	15	1	32	56.1	107	23.5	32	197	12.4	32
	4	6	4	-	10	17.5	110	20.6	10	203	10.0	10
	5	4	5	-	9	15.8	189	27.1	9	230	5.8	9
	6	-	2	-	2	3.5	205	33.2	2	231	14.8	2
	7	2	2	-	4	7.0	219	9.4	4	244	11.4	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	28	1	57	100.0	132	47.0	57	207	19.6	57
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	36	39	1	76	37.8	112	29.1	59	195	12.4	76
	4	38	27	-	65	32.3	145	30.4	48	211	10.0	65
	5	16	13	-	29	14.4	198	27.4	17	230	8.5	29
	6	7	5	-	12	6.0	214	32.7	7	237	9.7	12
	7	9	7	-	16	8.0	233	21.6	10	242	7.3	16
	8	1	-	-	1	.5	185	-	1	223	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	1	-	2	1.0	202	114.6	2	223	42.4	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		108	92	1	201	100.0	148	50.1	144	212	19.5	201

Table 169. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in McDonalds Lagoon, statistical area A092, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	10	-	13	18.3	127	36.4	12	200	14.7	13
	4	20	17	-	37	52.1	154	31.6	37	215	20.6	37
	5	5	9	-	14	19.7	187	39.1	14	222	14.0	14
4/29- 5/ 5	6	1	1	-	2	2.8	227	29.7	2	291	63.6	2
	7	3	2	-	5	7.0	223	26.0	5	241	6.6	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	39	-	71	100.0	163	42.9	70	217	24.8	71

Table 170. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	14	13	-	27	21.8	108	15.8	14	193	10.5	27
	4	35	25	-	60	48.4	143	24.2	34	209	7.4	60
4/15- 4/21	5	8	7	-	15	12.1	184	15.8	11	226	7.0	15
	6	8	8	-	16	12.9	203	30.1	5	233	9.6	16
	7	1	3	-	4	3.2	170	22.6	2	232	11.0	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	2	-	-	2	1.6	259	-	1	255	1.4	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		68	56	-	124	100.0	149	37.9	67	212	16.7	124

Table 171. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	4	-	4	14.8	127	17.2	4	200	3.7	4
	4	6	8	-	14	51.9	151	10.8	14	210	6.0	14
	5	2	1	-	3	11.1	175	13.6	3	226	6.6	3
4/ 8- 4/14	6	3	-	-	3	11.1	192	40.6	3	232	14.9	3
	7	1	2	-	3	11.1	197	45.4	3	240	12.7	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		12	15	-	27	100.0	160	30.1	27	216	14.9	27

Table 172. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Danger Bay, statistical area A100, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	3	1	9	25.0	111	16.0	9	195	10.0	9
	4	2	5	2	9	25.0	125	23.0	9	205	10.7	9
	5	7	4	-	11	30.6	163	17.3	11	225	6.0	11
6/17- 6/23	6	3	1	1	5	13.9	174	29.0	5	225	11.8	5
	7	1	-	-	1	2.8	203	-	1	237	-	1
	8	1	-	-	1	2.8	244	-	1	251	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		19	13	4	36	100.0	145	36.9	36	213	17.4	36

Table 173. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Litnik Bay, statistical area A101, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	3	-	8	12.1	100	16.0	8	193	6.9	8
	4	10	13	-	23	34.8	150	31.7	22	217	10.5	23
	5	11	19	-	30	45.5	189	30.7	30	232	8.0	30
5/ 6- 5/12	6	-	3	-	3	4.5	225	13.6	3	245	5.5	3
	7	1	-	-	1	1.5	188	-	1	236	-	1
	8	1	-	-	1	1.5	185	-	1	247	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	38	-	66	100.0	167	43.0	65	223	16.4	66

Table 174. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Litnik Bay, statistical area A101, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	2	-	3	6.1	119	6.7	3	200	2.6	3
	4	3	5	-	8	16.3	164	22.2	8	218	7.7	8
	5	9	5	-	14	28.6	181	11.7	14	228	4.9	14
5/ 6- 5/12	6	6	4	-	10	20.4	203	14.5	10	238	9.4	10
	7	6	6	-	12	24.5	219	49.0	12	242	10.8	12
	8	2	-	-	2	4.1	195	17.0	2	241	.7	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		27	22	-	49	100.0	189	37.4	49	231	14.0	49

Table 175. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	29	34	-	63	13.4	91	15.3	63	185	9.5	63
	4	75	79	-	154	32.7	125	20.5	154	201	9.6	154
4/15- 4/30	5	118	90	-	208	44.2	161	25.3	208	217	11.9	208
	6	12	8	-	20	4.2	177	21.6	20	224	7.8	20
	7	17	7	-	24	5.1	191	35.5	24	228	12.4	24
	8	-	2	-	2	.4	217	6.4	2	236	7.8	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		251	220	-	471	100.0	142	36.6	471	208	16.5	471
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	1	-	3	.5	92	29.7	3	180	8.5	3
	3	65	61	-	126	22.0	101	26.4	124	186	8.3	126
	4	85	77	-	162	28.3	128	21.3	157	204	10.3	162
5/ 1- 5/15	5	140	89	-	229	40.0	158	22.0	226	218	8.9	229
	6	11	10	-	21	3.7	175	20.4	20	224	6.1	21
	7	8	13	-	21	3.7	197	29.4	20	230	8.8	21
	8	2	6	-	8	1.4	223	54.1	8	236	15.9	8
	9	2	-	-	2	.3	149	12.0	2	215	4.2	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		315	257	-	572	100.0	140	36.5	560	208	16.7	572
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	6	-	10	11.1	-	-	-	190	6.9	10
	4	7	7	-	14	15.6	-	-	-	208	8.1	14
5/16- 5/31	5	30	32	-	62	68.9	174	22.4	4	216	8.6	62
	6	-	1	-	1	1.1	-	-	-	215	-	1
	7	1	-	-	1	1.1	-	-	-	216	-	1
	8	-	1	-	1	1.1	257	-	1	255	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.1	-	-	-	247	-	1
Period total		42	48	-	90	100.0	190	42.1	5	213	13.0	90
	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	1	-	3	.3	92	29.7	3	180	8.5	3
	3	98	101	-	199	17.6	98	23.7	187	186	8.7	199
	4	167	163	-	330	29.1	126	21.0	311	203	10.0	330
	5	288	211	-	499	44.0	160	23.6	438	217	10.2	499
All periods	6	23	19	-	42	3.7	176	20.8	40	224	7.0	42
	7	26	20	-	46	4.1	194	32.6	44	228	10.9	46
	8	2	9	-	11	1.0	225	46.6	11	237	14.7	11
	9	2	-	-	2	.2	149	12.0	2	215	4.2	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.1	-	-	-	247	-	1
Total		608	525	-	1133	100.0	141	36.7	1036	208	16.4	1133

Table 176. Age, sex, and size composition of Pacific Herring captured by commercial seine during the sac-roe fishery in Viekola Bay, statistical area 1020, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	.5	10	-	1	1779	-	1	
	3	23	29	-	52	28.1	19	225.2	57	1885	8.7	52
	4	29	34	-	63	34.1	129	201.6	59	2004	9.3	63
	5	34	24	-	58	31.4	132	201.5	57	2077	10.9	58
4/29- 5/ 5	6	-	2	-	2	1.1	201	-	1	2531	1.4	2
	7	1	1	-	2	1.1	204	56.6	2	2133	15.6	2
	8	2	5	-	7	3.8	217	57.0	7	2336	17.1	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		90	95	-	185	100.0	135	345.9	179	204	17.7	185

Table 177. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viékoda Bay, statistical area UG20, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	2	2	-	4	14.3	167	23.0	4	223	10.5	4
	5	5	15	-	20	71.4	179	19.7	20	228	8.7	20
4/29- 5/ 5	6	1	1	-	2	7.1	212	72.8	2	234	21.2	2
	7	-	1	-	1	3.6	211	-	1	239	-	1
	8	-	1	-	1	3.6	183	-	1	231	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		8	20	-	28	100.0	181	25.7	28	228	9.7	28

Table 178. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Terror Bay, statistical area UG21, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/29- 5/ 5	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	12	-	20	23.8	96	10.1	20	194	4.1	20
	4	19	14	-	33	39.3	121	20.3	33	207	12.6	33
	5	18	9	-	27	32.1	154	14.5	27	223	7.8	27
	6	-	-	-	-	-	-	-	-	-	-	-
	7	2	1	-	3	3.6	184	10.5	3	238	5.3	3
	8	-	1	-	1	1.2	194	-	1	233	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		47	37	-	84	100.0	129	29.9	84	211	15.6	84
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	1.2	64	-	1	172	-	1
	3	22	18	-	40	48.2	105	27.1	40	183	6.1	40
	4	6	7	-	13	15.7	119	19.7	13	197	9.4	13
	5	18	7	-	25	30.1	143	33.1	25	214	8.7	25
	6	1	3	-	4	4.8	190	22.4	4	223	3.8	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		48	35	-	83	100.0	122	36.0	83	196	16.7	83
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	64	-	1	172	-	1
	3	30	30	-	60	35.9	102	23.1	60	187	7.5	60
	4	25	21	-	46	27.5	120	20.0	46	204	12.6	46
	5	36	16	-	52	31.1	149	25.5	52	219	9.3	52
	6	1	3	-	4	2.4	190	22.4	4	223	3.8	4
	7	2	1	-	3	1.8	184	10.5	3	238	5.3	3
	8	-	1	-	1	.6	194	-	1	233	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		95	72	-	167	100.0	125	33.1	167	204	17.6	167

Table 179. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Village Islands, statistical area UG30, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	7	6	-	13	10.5	89	10.9	13	181	5.6	13
	4	25	24	-	49	39.5	130	15.6	49	201	7.4	49
	5	31	18	-	49	39.5	160	21.7	49	214	16.3	49
	6	3	2	-	5	4.0	183	9.3	5	228	7.0	5
	7	6	1	-	7	5.6	184	42.1	7	221	17.4	7
	8	-	1	-	1	.8	212	-	1	230	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		72	52	-	124	100.0	144	32.7	124	206	16.7	124
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	5	1	-	6	10.0	121	55.9	6	183	6.8	6
	4	11	13	-	24	40.0	131	18.2	24	200	8.6	24
	5	10	6	-	16	26.7	167	17.4	16	219	6.8	16
	6	2	3	-	5	8.3	171	15.2	5	222	4.5	5
	7	4	5	-	9	15.0	205	26.3	9	230	8.8	9
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	28	-	60	100.0	154	37.0	60	210	16.3	60
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	12	7	-	19	10.3	99	34.3	19	181	5.9	19
	4	36	37	-	73	39.7	131	16.4	73	201	7.7	73
	5	41	24	-	65	35.3	162	20.8	65	215	14.7	65
	6	5	5	-	10	5.4	177	13.4	10	225	6.4	10
	7	10	6	-	16	8.7	196	34.5	16	226	13.5	16
	8	-	1	-	1	.5	212	-	1	230	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		104	80	-	184	100.0	147	34.4	184	208	16.6	184

Table 180. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Village Islands, statistical area UG30, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	2.7	108	-	1	195	-	1
	4	12	17	-	29	78.4	141	12.7	29	215	6.3	29
	5	1	-	-	1	2.7	139	-	1	218	-	1
4/29- 5/ 5	6	1	4	-	5	13.5	164	20.1	5	221	7.4	5
	7	1	-	-	1	2.7	139	-	1	214	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	22	-	37	100.0	143	16.4	37	215	7.3	37

Table 181. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in W. Uganik Passage, statistical area UG31, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	10	8	-	18	20.7	86	13.9	18	182	9.4	18
	4	13	12	-	25	28.7	123	27.6	25	201	10.9	25
	5	21	20	-	41	47.1	155	20.8	41	218	8.6	41
4/22- 4/28	6	1	1	-	2	2.3	143	18.4	2	216	6.4	2
	7	-	1	-	1	1.1	217	-	1	236	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	42	-	87	100.0	132	35.6	87	206	17.1	87

Table 182. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in N.E. Arm Uganik Bay, statistical area UG32, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/29- 5/ 5	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	1	-	5	8.8	101	34.9	4	190	15.7	5
	4	5	4	-	9	15.8	133	17.9	9	208	10.4	9
	5	17	18	-	35	61.4	161	22.1	35	218	9.8	35
	6	3	1	-	4	7.0	165	6.3	4	227	4.1	4
	7	1	2	-	3	5.3	170	32.1	3	222	7.5	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.8	140	-	1	212	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	26	-	57	100.0	153	28.1	56	215	13.3	57
5/20- 5/26	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
	5	1	3	-	4	80.0	174	22.4	4	225	9.1	4
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	20.0	257	-	1	255	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		1	4	-	5	100.0	190	42.1	5	231	15.8	5
5/27- 6/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	6	-	10	11.8	-	-	-	190	6.9	10
	4	7	7	-	14	16.5	-	-	-	208	8.1	14
	5	29	29	-	58	68.2	-	-	-	216	8.4	58
	6	-	1	-	1	1.2	-	-	-	215	-	1
	7	1	-	-	1	1.2	-	-	-	216	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.2	-	-	-	247	-	1
Period total		41	44	-	85	100.0	-	-	-	212	12.2	85
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	8	7	-	15	10.2	101	34.9	4	190	10.0	15
	4	12	11	-	23	15.6	133	17.9	9	208	8.8	23
	5	47	50	-	97	66.0	163	22.2	39	217	9.1	97
	6	3	2	-	5	3.4	165	6.3	4	225	6.4	5
	7	2	2	-	4	2.7	170	32.1	3	221	6.9	4
	8	-	1	-	1	.7	257	-	1	255	-	1
	9	1	-	-	1	.7	140	-	1	212	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.7	-	-	-	247	-	1
Total		73	74	-	147	100.0	156	30.8	61	214	13.1	147

Table 183. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in E. Arm Uganik Bay, statistical area UG33, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Mean Std. Number (mm)	Std. Length	
		Male	Female	Unknown			Dev. Weighed	Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-
	2	-	1	-	1	1.0	123	-	1	189	-
	3	3	-	-	3	2.9	92	6.5	3	188	3.1
	4	15	5	-	20	19.4	137	24.8	19	206	8.9
	5	43	25	-	68	66.0	162	19.1	66	217	6.1
5/ 6- 5/12	6	5	1	-	6	5.8	171	25.2	6	224	9.1
	7	-	4	-	4	3.9	207	29.5	3	227	4.8
	8	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.0	157	-	1	218	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		67	36	-	103	100.0	156	26.9	99	215	10.1

Table 184. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in S. Arm Uganik Bay, statistical area UG34, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/15- 4/21	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	4	9	-	13	11.0	91	11.8	13	183	4.9	13	
	4	20	28	-	48	40.7	121	20.0	48	200	9.5	48	
	5	20	15	-	35	29.7	157	15.8	35	217	6.8	35	
	6	5	4	-	9	7.6	175	21.2	9	222	8.1	9	
	7	10	3	-	13	11.0	184	20.1	13	227	6.6	13	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		59	59	-	118	100.0	139	33.8	118	208	15.3	118	
4/22- 4/28	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	8	11	-	19	13.4	98	19.5	19	191	11.5	19	
	4	17	15	-	32	22.5	124	20.8	32	202	11.8	32	
	5	46	37	-	83	58.5	166	31.1	83	218	11.7	83	
	6	3	1	-	4	2.8	193	19.3	4	228	5.3	4	
	7	1	2	-	3	2.1	230	60.9	3	242	11.5	3	
	8	-	1	-	1	.7	221	-	1	241	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		75	67	-	142	100.0	150	40.8	142	212	16.4	142	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	12	20	-	32	12.3	95	16.9	32	188	9.9	32	
	4	37	43	-	80	30.8	122	20.2	80	201	10.5	80	
	5	66	52	-	118	45.4	164	27.8	118	218	10.5	118	
	6	8	5	-	13	5.0	180	21.5	13	224	7.6	13	
	7	11	5	-	16	6.2	193	34.0	16	230	9.4	16	
	8	-	1	-	1	.4	221	-	1	241	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		134	126	-	260	100.0	145	38.1	260	210	16.0	260	

Table 185. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	7	6	-	13	6.3	96	23.7	13	200	39.1	13	
	4	16	20	-	36	17.5	129	21.8	35	202	7.9	36	
	5	70	71	-	141	68.4	158	22.7	140	220	7.9	141	
	6	4	2	-	6	2.9	168	13.1	6	224	6.5	6	
	7	4	6	-	10	4.9	192	33.3	10	231	11.0	10	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		101	105	-	206	100.0	151	30.4	204	217	15.0	206	
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	12	6	-	18	4.3	84	11.3	18	179	7.5	18	
	4	28	22	-	50	12.0	136	19.1	50	207	8.2	50	
	5	194	130	-	324	77.9	161	24.5	324	217	8.4	324	
	6	7	2	-	9	2.2	176	54.8	9	223	19.4	9	
	7	7	4	-	11	2.6	197	28.3	11	225	7.5	11	
	8	1	3	-	4	1.0	217	49.8	4	238	15.7	4	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		249	167	-	416	100.0	156	31.5	416	215	12.3	416	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	19	12	-	31	5.0	89	18.2	31	188	27.5	31	
	4	44	42	-	86	13.8	133	20.4	85	205	8.3	86	
	5	264	201	-	465	74.8	160	24.0	464	218	8.4	465	
	6	11	4	-	15	2.4	173	42.4	15	223	15.2	15	
	7	11	10	-	21	3.4	194	30.1	21	228	9.5	21	
	8	1	3	-	4	.6	217	49.8	4	238	15.7	4	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		350	272	-	622	100.0	155	31.2	620	215	13.2	622	

Table 186. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	6	2	-	8	4.7	90	10.4	8	184	7.3
	4	10	7	-	17	9.9	125	14.6	17	203	6.5
	5	82	50	-	132	77.2	154	27.7	132	215	9.1
4/29- 5/ 5	6	5	1	-	6	3.5	151	20.4	6	214	6.2
	7	3	3	-	6	3.5	188	21.7	6	226	8.6
	8	1	1	-	2	1.2	195	50.9	2	234	18.4
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		107	64	-	171	100.0	149	31.2	171	213	11.7

Table 187. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	2	-	4	4.0	148	2.8	4	214	11.8	4
4/29- 5/ 5	5	48	37	-	85	84.2	156	14.9	85	220	7.2	85
	6	1	1	-	2	2.0	163	3.5	2	224	2.8	2
	7	5	4	-	9	8.9	197	6.6	9	237	7.5	9
	8	-	1	-	1	1.0	219	-	1	238	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		56	45	-	101	100.0	160	19.2	101	221	9.1	101

Table 188. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	6	-	13	6.3	96	23.7	13	200	39.1	13
	4	16	20	-	36	17.5	129	21.8	35	202	7.9	36
	5	70	71	-	141	68.4	158	22.7	140	220	7.9	141
4/22- 4/28	6	4	2	-	6	2.9	168	13.1	6	224	6.5	6
	7	4	6	-	10	4.9	192	33.3	10	231	11.0	10
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		101	105	-	206	100.0	151	30.4	204	217	15.0	206

Table 189. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	4	-	10	4.1	79	9.7	10	176	5.5	10
	4	18	15	-	33	13.5	142	18.8	33	209	8.3	33
	5	112	80	-	192	78.4	166	20.7	192	219	7.4	192
4/29- 5/ 5	6	2	1	-	3	1.2	226	72.4	3	241	25.7	3
	7	4	1	-	5	2.0	206	34.5	5	224	6.9	5
	8	-	2	-	2	.8	239	54.4	2	242	18.4	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		142	103	-	245	100.0	161	30.8	245	216	12.5	245

Table 190. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length	
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured
	1	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-
	4	-	1	-	1	5.0	-	207	1
4/29- 5/ 5	5	11	7	-	18	90.0	-	227	10.2
	6	1	-	-	1	5.0	-	227	1
	7	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-
Period total		12	8	-	20	100.0	-	226	10.6

Table 191. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	44	30	-	74	17.0	109	22.3	73	195	11.6	74	
	4	84	85	-	169	38.9	144	24.5	160	212	12.6	169	
	5	75	69	-	144	33.1	177	26.2	137	227	8.5	144	
	6	16	5	-	21	4.8	198	23.2	17	234	6.1	21	
	7	8	11	-	19	4.4	216	42.0	18	238	11.9	19	
	8	1	5	-	6	1.4	180	42.6	4	235	10.5	6	
	9	1	-	-	1	.2	212	-	1	249	-	1	
	10	1	-	-	1	.2	281	-	1	252	-	1	
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		230	205	-	435	100.0	155	39.1	411	217	16.7	435	
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	74	63	1	138	39.8	101	12.9	129	191	6.5	138	
	4	72	51	2	125	36.0	140	20.6	104	211	9.5	125	
	5	41	29	2	72	20.7	177	25.3	61	226	9.0	72	
	6	2	3	1	6	1.7	222	12.8	4	237	7.3	6	
	7	2	2	-	4	1.2	219	28.3	4	246	10.2	4	
	8	1	1	-	2	.6	275	-	1	247	12.7	2	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		192	149	6	347	100.0	133	38.4	303	207	17.3	347	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	118	93	1	212	27.1	104	17.3	202	192	8.9	212	
	4	156	136	2	294	37.6	143	23.1	264	212	11.3	294	
	5	116	98	2	216	27.6	177	25.9	198	226	8.7	216	
	6	18	8	1	27	3.5	202	23.4	21	235	6.4	27	
	7	10	13	-	23	2.9	217	39.3	22	240	11.8	23	
	8	2	6	-	8	1.0	199	56.4	5	238	11.5	8	
	9	1	-	-	1	.1	212	-	1	249	-	1	
	10	1	-	-	1	.1	281	-	1	252	-	1	
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		422	354	6	782	100.0	146	40.2	714	213	17.6	782	

Table 192. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in E. Sitkalidak St., statistical area G022, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	8	2	-	10	9.1	123	27.6	10	211	13.1
	4	18	19	-	37	33.6	143	22.2	37	217	8.8
	5	30	22	-	52	47.3	168	24.3	52	227	8.2
4/15- 4/21	6	4	-	-	4	3.6	183	13.1	4	233	4.8
	7	3	3	-	6	5.5	189	36.8	6	233	11.1
	8	1	-	-	1	.9	173	-	1	232	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		64	46	-	110	100.0	157	29.8	110	223	10.9

Table 193. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Tanginak Anchorage, statistical area G023, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	10.3	113	28.6	4	192	4.5
	4	2	6	-	8	20.5	158	21.0	8	215	6.1
	5	7	10	-	17	43.6	187	19.1	17	227	5.9
4/15- 4/21	6	-	-	-	-	-	-	-	-	-	-
	7	2	5	-	7	17.9	224	31.3	7	236	8.6
	8	-	1	-	1	2.6	216	-	1	249	-
	9	1	-	-	1	2.6	212	-	1	249	-
	10	1	-	-	1	2.6	281	-	1	252	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		16	23	-	39	100.0	184	41.6	39	224	15.7

Table 194. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Ugak Bay, statistical area G051, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	49	40	-	89	51.4	101	12.1	89	190	5.8	89
	4	30	19	-	49	28.3	140	15.7	49	208	6.6	49
	5	22	12	-	34	19.7	169	20.7	34	221	7.1	34
4/29- 5/ 5	6	-	1	-	1	.6	212	-	1	234	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		101	72	-	173	100.0	126	31.8	173	201	14.3	173

Table 195. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	5	-	13	11.4	101	11.8	12	194	9.8	13
	4	26	26	-	52	45.6	146	20.5	43	215	9.7	52
	5	17	12	-	29	25.4	180	25.6	22	230	7.4	29
4/15- 4/21	6	11	1	-	12	10.5	198	22.0	8	235	5.7	12
	7	3	1	-	4	3.5	230	63.5	3	247	15.0	4
	8	-	4	-	4	3.5	165	60.1	2	232	10.1	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		65	49	-	114	100.0	156	38.6	90	220	15.7	114

Table 196. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	8	-	12	14.5	107	20.9	9	198	6.1	12
	4	22	20	-	42	50.6	143	23.0	38	216	8.2	42
	5	13	9	-	22	26.5	187	27.5	22	232	8.2	22
4/29- 5/ 5	6	2	-	-	2	2.4	218	7.8	2	243	9.2	2
	7	1	2	-	3	3.6	228	27.2	3	246	12.5	3
	8	1	1	-	2	2.4	275	-	1	247	12.7	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		43	40	-	83	100.0	159	41.3	75	220	15.5	83

Table 197. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	19	8	-	27	61.4	-	-	213	7.0	27
4/15- 4/21	5	10	6	-	16	36.4	-	-	224	7.8	16
	6	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	2.3	-	-	225	-	1
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		30	14	-	44	100.0	-	-	217	9.1	44

Table 198. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Sheratin Bay, statistical area G081, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	2	1	1	4	11.8	-	-	192	7.8	4
	4	8	7	2	17	50.0	-	-	215	12.2	17
	5	5	4	2	11	32.4	-	-	230	6.3	11
5/13- 5/19	6	-	1	1	2	5.9	-	-	234	9.2	2
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		15	13	6	34	100.0	-	-	218	15.5	34

Table 199. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	17	12	-	29	27.6	108	26.4	29	193	11.6	29
	4	22	22	-	44	41.9	143	29.1	44	207	17.0	44
	5	12	15	-	27	25.7	181	29.5	27	224	11.0	27
	6	1	2	-	3	2.9	205	38.2	3	229	9.5	3
	7	-	2	-	2	1.9	246	43.8	2	243	17.0	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		52	53	-	105	100.0	147	42.8	105	209	18.9	105
4/22- 4/28	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	10	-	18	26.9	109	12.2	18	192	6.1	18
	4	16	12	-	28	41.8	144	26.1	28	209	10.8	28
	5	9	10	-	19	28.4	184	28.3	19	224	7.0	19
	6	-	2	-	2	3.0	216	9.9	2	240	2.1	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		33	34	-	67	100.0	148	38.3	67	210	15.6	67
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	25	22	-	47	27.3	108	21.9	47	193	9.8	47
	4	38	34	-	72	41.9	143	27.8	72	208	14.8	72
	5	21	25	-	46	26.7	182	28.7	46	224	9.4	46
	6	1	4	-	5	2.9	210	28.1	5	233	8.8	5
	7	-	2	-	2	1.2	246	43.8	2	243	17.0	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		85	87	-	172	100.0	147	41.0	172	209	17.7	172

Table 200. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Kizhnyak Bay, station area 03900, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weights			Stds. Length		
		Male	Female	Unknown		Mean (gms)	Std. Dev.	Number Measured	Mean (mm)	Std. Dev.	
4/15- 4/21	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	2.0	1751	-	11	1999	-
	4	4	6	-	10	19.6	1651	173.7	10	2327	103.66
	5	20	13	-	33	64.7	1774	226.4	353	2224	77.35
	6	1	1	-	2	3.9	2004	229.0	2	2399	77.38
	7	4	-	-	4	7.8	1838	351.2	4	2244	173.55
	8	-	1	-	1	2.0	1635	-	1	2411	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		29	22	-	51	100.0	1771	277.2	511	2222	111.00
4/22- 4/28	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	3	-	4	7.7	1233	173.11	4	2000	44.11
	4	12	15	-	27	51.9	1466	177.99	27	2317	77.4
	5	10	8	-	18	34.6	1830	233.2	18	2297	77.4
	6	-	2	-	2	3.8	1633	182.0	2	2322	44.99
	7	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	1	1.9	1734	-	1	2281	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		24	28	-	52	100.0	1653	277.7	52	2333	111.3
All periods	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	4	-	5	4.9	1234	171.99	5	2000	51.6
	4	16	21	-	37	35.9	1477	166.33	37	2322	81.22
	5	30	21	-	51	49.5	1766	226.2	51	2226	77.33
	6	1	3	-	4	3.9	2001	183.6	4	2355	66.77
	7	4	-	-	4	3.9	1833	351.22	4	2224	173.55
	8	1	1	-	2	1.9	1801	44.9	2	2355	39.22
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Total		53	50	-	103	100.0	1665	281.0	1036	2220	111.5

Table 201. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kalsin Bay, statistical area G100, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	19	14	-	33	57.9	99	12.5	31	191	6.9	33
	4	12	5	-	17	29.8	132	26.1	17	207	11.7	17
	5	1	4	-	5	8.8	192	27.3	5	228	11.3	5
5/ 6- 5/12	6	-	1	-	1	1.8	239	-	1	236	-	1
	7	1	-	-	1	1.8	193	-	1	246	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		33	24	-	57	100.0	122	38.4	55	201	16.5	57

Table 202. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kalsin Bay, statistical area G100, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/29- 5/ 5	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	2	-	2	3.3	115	33.2	2	204	18.4	2
	4	12	13	-	25	41.0	159	14.5	25	220	7.1	25
	5	11	16	-	27	44.3	185	18.5	27	230	6.8	27
	6	4	-	-	4	6.6	193	20.2	4	238	10.8	4
	7	1	-	-	1	1.6	208	-	1	240	-	1
	8	1	1	-	2	3.3	154	39.6	2	219	21.2	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		29	32	-	61	100.0	172	24.7	61	226	10.7	61
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	3	-	3	5.3	-	-	-	212	4.0	3
	4	5	12	-	17	29.8	-	-	-	220	9.0	17
	5	17	9	-	26	45.6	-	-	-	235	9.3	26
	6	2	3	-	5	8.8	-	-	-	236	8.2	5
	7	1	2	-	3	5.3	-	-	-	249	17.6	3
	8	1	1	-	2	3.5	-	-	-	262	7.1	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.8	-	-	-	262	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		26	31	-	57	100.0	-	-	-	232	14.5	57
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	5	-	5	4.2	115	33.2	2	209	10.6	5
	4	17	25	-	42	35.6	159	14.5	25	220	7.9	42
	5	28	25	-	53	44.9	185	18.5	27	233	8.4	53
	6	6	3	-	9	7.6	193	20.2	4	237	8.8	9
	7	2	2	-	4	3.4	208	-	1	247	15.0	4
	8	2	2	-	4	3.4	154	39.6	2	241	28.0	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.8	-	-	-	262	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		55	63	-	118	100.0	172	24.7	61	228	13.0	118

Table 203. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Inner Chiniak Bay, statistical area G102, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	4	-	6	11.1	122	17.7	6	200	8.0	6
	4	8	7	-	15	27.8	153	23.1	15	217	11.6	15
	5	8	6	-	14	25.9	183	33.4	14	231	11.3	14
4/29- 5/ 5	6	5	2	-	7	13.0	206	34.9	7	236	10.4	7
	7	7	4	-	11	20.4	225	23.1	11	244	8.4	11
	8	1	-	-	1	1.9	240	-	1	246	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	23	-	54	100.0	181	42.9	54	227	17.1	54

Table 204. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	1	2	.7	27	3.5	2	131	8.5	2
	3	104	110	3	217	75.6	81	12.6	177	180	7.6	217
	4	15	14	-	29	10.1	101	24.9	23	194	13.3	29
	5	20	15	-	35	12.2	147	16.8	24	218	9.6	35
	6	2	1	-	3	1.0	162	17.5	3	221	13.5	3
	7	1	-	-	1	.3	-	-	-	230	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		143	140	4	287	100.0	90	27.3	229	187	16.4	287
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	28	26	-	54	29.8	103	20.6	54	187	18.2	54
	4	14	10	-	24	13.3	129	20.5	24	204	8.5	24
	5	56	34	-	90	49.7	159	23.5	90	216	16.3	90
	6	3	7	-	10	5.5	182	30.2	10	225	10.5	10
	7	-	1	-	1	.6	247	-	1	236	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	1.1	203	43.8	2	229	7.1	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		101	80	-	181	100.0	141	36.5	181	206	20.6	181
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	11	9	-	20	12.6	91	14.1	20	188	7.4	20
	4	14	9	-	24	15.1	124	23.5	24	205	11.5	24
	5	48	46	-	94	59.1	156	28.2	94	219	11.0	94
	6	2	2	-	4	2.5	169	44.8	4	223	18.0	4
	7	-	1	-	1	.6	190	-	1	232	-	1
	8	1	3	-	4	2.5	258	53.4	4	258	15.4	4
	9	2	4	-	6	3.8	221	16.8	6	243	5.7	6
	10	3	3	-	6	3.8	224	53.2	6	243	18.5	6
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		81	77	-	159	100.0	151	45.1	159	216	18.6	159
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	1	2	.3	27	3.5	2	131	8.5	2
	3	143	145	3	291	46.4	86	17.4	251	182	10.8	291
	4	43	33	-	77	12.3	118	25.8	71	201	12.4	77
	5	124	95	-	219	34.9	157	25.3	208	218	13.3	219
	6	7	10	-	17	2.7	175	31.6	17	224	12.2	17
	7	1	2	-	3	.5	219	40.3	2	233	3.1	3
	8	1	3	-	4	.6	258	53.4	4	258	15.4	4
	9	2	6	-	8	1.3	216	23.3	8	240	8.6	8
	10	3	3	-	6	1.0	224	53.2	6	243	18.5	6
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		325	297	4	627	100.0	123	45.2	569	200	22.2	627

Table 205. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Inner Alitak Bay, statistical area AL20, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	2.0	50	-	1	144	-	1
	3	-	2	1	3	6.0	111	6.7	3	189	6.0	3
	4	-	-	-	-	-	-	-	-	-	-	-
	5	3	3	-	6	12.0	143	19.4	6	208	14.1	6
5/27- 6/ 2	6	3	6	1	10	20.0	149	25.1	10	214	17.4	10
	7	5	6	4	15	30.0	175	21.3	15	228	8.5	15
	8	3	1	-	4	8.0	186	16.0	4	229	10.4	4
	9	2	-	2	4	8.0	169	9.5	4	230	9.3	4
	10	5	-	-	5	10.0	207	15.3	5	246	6.5	5
	11+	1	1	-	2	4.0	235	4.2	2	250	8.5	2
Period total		23	19	8	50	100.0	166	36.5	50	222	21.3	50

Table 206. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Deadman Bay, statistical area AL21, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.7	24	-	1	125	-	1
	3	42	59	3	104	77.6	79	15.1	75	180	7.9	104
	4	6	11	-	17	12.7	91	21.5	12	191	13.7	17
	5	8	3	-	11	8.2	148	-	1	217	12.6	11
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	.7	-	-	-	230	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		57	73	4	134	100.0	81	18.9	89	185	15.2	134
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.9	29	-	1	137	-	1
	3	48	48	-	96	84.2	80	9.2	85	179	6.8	96
	4	6	1	-	7	6.1	108	31.3	6	193	13.9	7
	5	3	5	-	8	7.0	143	9.5	7	215	6.8	8
	6	2	-	-	2	1.8	153	11.3	2	216	13.4	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		60	54	-	114	100.0	87	23.0	101	183	13.5	114
5/20- 5/26	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	9	1	-	10	17.5	98	12.3	10	189	6.1	10
	4	5	4	-	9	15.8	128	9.5	9	203	4.4	9
	5	23	11	-	34	59.6	160	26.5	34	216	9.7	34
	6	1	2	-	3	5.3	207	22.1	3	229	5.9	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.8	172	-	1	224	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	19	-	57	100.0	147	35.4	57	210	14.1	57
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	1	2	.7	27	3.5	2	131	8.5	2
	3	99	108	3	210	68.9	81	13.0	170	180	7.6	210
	4	17	16	-	33	10.8	107	26.2	27	195	12.7	33
	5	34	19	-	53	17.4	157	24.9	42	216	9.8	53
	6	3	2	-	5	1.6	185	33.8	5	224	10.9	5
	7	1	-	-	1	.3	-	-	-	230	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	.3	172	-	1	224	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		155	146	4	305	100.0	99	36.5	247	189	17.7	305

Table 207. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	14	3	-	17	43.6	89	12.5	17	188	5.7	17
	4	3	2	-	5	12.8	117	14.6	5	205	3.9	5
	5	9	7	-	16	41.0	149	19.6	16	220	8.3	16
	6	-	1	-	1	2.6	180	-	1	232	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		26	13	-	39	100.0	120	33.3	39	205	16.8	39
5/20- 5/26	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	5	-	13	24.1	108	19.5	13	195	10.6	13
	4	6	4	-	10	18.5	127	27.5	10	206	11.8	10
	5	16	11	-	27	50.0	163	23.4	27	221	9.2	27
	6	1	3	-	4	7.4	170	32.4	4	225	11.5	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	23	-	54	100.0	144	34.0	54	212	15.1	54
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	22	8	-	30	32.3	97	18.1	30	191	8.7	30
	4	9	6	-	15	16.1	124	23.9	15	206	9.7	15
	5	25	18	-	43	46.2	158	22.9	43	221	8.8	43
	6	1	4	-	5	5.4	172	28.4	5	226	10.5	5
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		57	36	-	93	100.0	134	35.6	93	209	16.2	93

Table 208. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Sulua Bay, statistical area AL30, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	2	3	-	5	20.0	-	-	208	10.7	5
5/13- 5/19	5	8	10	-	18	72.0	-	-	217	7.5	18
	6	-	1	-	1	4.0	-	-	213	-	1
	7	1	-	-	1	4.0	-	-	226	-	1
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		11	14	-	25	100.0	-	-	216	8.9	25

Table 209. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/27- 6/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	11	20	-	31	44.3	102	23.2	31	183	22.0	31
	4	3	2	-	5	7.1	135	21.7	5	203	6.9	5
	5	17	12	-	29	41.4	155	19.8	29	210	24.2	29
	6	1	2	-	3	4.3	172	26.6	3	221	14.5	3
	7	-	1	-	1	1.4	247	-	1	236	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.4	234	-	1	234	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	38	-	70	100.0	133	38.5	70	199	26.0	70
6/ 3- 6/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	11	9	-	20	12.6	91	14.1	20	188	7.4	20
	4	14	9	-	24	15.1	124	23.5	24	205	11.5	24
	5	48	46	-	94	59.1	156	28.2	94	219	11.0	94
	6	2	2	-	4	2.5	169	44.8	4	223	18.0	4
	7	-	1	-	1	.6	190	-	1	232	-	1
	8	1	3	-	4	2.5	258	53.4	4	258	15.4	4
	9	2	4	-	6	3.8	221	16.8	6	243	5.7	6
	10	3	3	-	6	3.8	224	53.2	6	243	18.5	6
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		81	77	-	159	100.0	151	45.1	159	216	18.6	159
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	22	29	-	51	22.3	98	20.7	51	185	17.8	51
	4	17	11	-	29	12.7	126	23.2	29	205	10.8	29
	5	65	58	-	123	53.7	156	26.4	123	217	15.6	123
	6	3	4	-	7	3.1	170	35.3	7	222	15.3	7
	7	-	2	-	2	.9	219	40.3	2	234	2.8	2
	8	1	3	-	4	1.7	258	53.4	4	258	15.4	4
	9	2	5	-	7	3.1	223	16.1	7	242	6.3	7
	10	3	3	-	6	2.6	224	53.2	6	243	18.5	6
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		113	115	-	229	100.0	146	43.9	229	211	22.5	229

Table 210. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Upper Olga Bay, administrative area NUSO, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Stdl. Length		
		Male	Female	Unknown			Mean (g)	Stdl. Dev.	Number Weighed	Mean (mm)	Stdl. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	21	13	-	34	61.8	70	108.6	34	1128	111.65	34
	4	5	3	-	8	14.5	75	108.1	8	1774	111.22	8
	5	5	8	-	13	23.6	127	321.5	13	1926	101.9	13
6/ 3- 6/ 9	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	24	-	55	100.0	84	322.3	55	1726	113.4	55

Table 211. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Mainland District, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	5.8	82	14.4	3	185	10.1	4
	4	3	3	-	6	8.7	121	18.1	5	203	5.6	6
	5	1	4	-	5	7.2	157	10.7	3	219	4.6	5
	6	7	1	-	8	11.6	182	13.7	5	233	3.1	8
	7	12	17	-	29	42.0	224	23.9	19	241	10.6	29
	8	9	3	-	12	17.4	193	32.6	6	242	9.2	12
	9	2	1	-	3	4.3	225	-	1	249	10.6	3
	10	1	-	-	1	1.4	230	-	1	244	-	1
	11+	1	-	-	1	1.4	-	-	-	243	-	1
Period total		39	30	-	69	100.0	188	50.1	43	233	18.9	69
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	6	-	14	4.4	103	40.6	11	188	16.2	14
	4	15	18	1	34	10.7	141	44.1	27	207	10.9	34
	5	14	7	-	21	6.6	168	29.4	19	221	9.6	21
	6	20	24	-	44	13.9	181	24.8	39	228	8.8	44
	7	60	67	1	128	40.4	211	28.4	115	238	8.3	128
	8	37	23	-	60	18.9	233	34.2	53	243	8.5	60
	9	6	5	-	11	3.5	243	28.4	10	247	6.6	11
	10	1	-	-	1	.3	223	-	1	248	-	1
	11+	2	2	-	4	1.3	237	10.8	3	248	5.6	4
Period total		163	152	2	317	100.0	198	46.2	278	231	17.1	317
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	-	-	5	9.1	122	57.2	5	199	23.7	5
	4	7	4	-	11	20.0	144	16.7	11	204	11.5	11
	5	5	10	-	15	27.3	184	14.1	15	221	4.8	15
	6	2	2	-	4	7.3	218	13.2	4	240	9.9	4
	7	3	8	-	11	20.0	225	37.1	11	238	8.3	11
	8	3	5	-	8	14.5	244	30.8	8	245	6.3	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.8	283	-	1	253	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	30	-	55	100.0	192	49.9	55	224	19.4	55
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	16	7	-	23	5.2	105	42.8	19	190	17.3	23
	4	25	25	1	51	11.6	139	36.7	43	206	10.6	51
	5	20	21	-	41	9.3	173	24.6	37	221	7.5	41
	6	29	27	-	56	12.7	184	25.0	48	230	8.8	56
	7	75	92	1	168	38.1	214	28.9	145	238	8.8	168
	8	49	31	-	80	18.1	231	35.5	67	243	8.4	80
	9	8	6	-	14	3.2	241	27.5	11	248	7.2	14
	10	2	1	-	3	.7	245	32.8	3	248	4.5	3
	11+	3	2	-	5	1.1	237	10.8	3	247	5.3	5
Total		227	212	2	441	100.0	196	47.2	376	231	17.8	441

Table 212. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kashvick Bay, statistical area M050, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Mean Weight (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	5	2	-	7	4.6	9	1.6	4	185	9.3	7
	4	10	8	1	19	12.5	13	5.7	12	207	10.8	19
	5	7	3	-	10	6.6	17	3.3	8	219	7.4	10
5/ 6- 5/12	6	11	15	-	26	17.1	17	2.4	21	228	8.9	26
	7	30	28	1	59	38.8	20	3.2	46	238	8.8	59
	8	11	10	-	21	13.8	23	3.5	14	242	8.1	21
	9	3	2	-	5	3.3	24	2.2	4	248	8.0	5
	10	1	-	-	1	.7	22	-	1	248	-	1
	11+	2	2	-	4	2.6	23	1.0	3	248	5.6	4
Period total		80	70	2	152	100.0	19	4.8	113	230	17.6	152

Table 213. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Alinchak Bay, statistical area M070, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	4	-	7	6.4	109	49.8	7	191	21.6	7
	4	4	7	-	11	10.1	148	34.9	11	209	12.9	11
	5	4	-	-	4	3.7	145	25.7	4	214	9.3	4
4/29- 5/ 5	6	4	7	-	11	10.1	184	19.0	11	227	7.8	11
	7	22	26	-	48	44.0	211	25.3	48	236	7.7	48
	8	20	6	-	26	23.9	230	39.8	26	242	9.4	26
	9	1	1	-	2	1.8	269	29.7	2	252	7.1	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		58	51	-	109	100.0	199	47.8	109	230	17.6	109

Table 214. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Wide Bay, statistical area M110, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
4/29- 5/ 5	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	5.8	82	14.4	3	185	10.1	4
	4	3	3	-	6	8.7	121	18.1	5	203	5.6	6
	5	1	4	-	5	7.2	157	10.7	3	219	4.6	5
	6	7	1	-	8	11.6	182	13.7	5	233	3.1	8
	7	12	17	-	29	42.0	224	23.9	19	241	10.6	29
	8	9	3	-	12	17.4	193	32.6	6	242	9.2	12
	9	2	1	-	3	4.3	225	-	1	249	10.6	3
	10	1	-	-	1	1.4	230	-	1	244	-	1
	11+	1	-	-	1	1.4	-	-	-	243	-	1
Period total		39	30	-	69	100.0	188	50.1	43	233	18.9	69
5/ 6- 5/12	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	1	3	-	4	7.0	127	12.5	4	202	4.2	4
	5	3	4	-	7	12.3	178	25.8	7	228	8.8	7
	6	5	2	-	7	12.3	191	32.0	7	231	10.6	7
	7	8	14	-	22	38.6	212	28.1	22	239	7.5	22
	8	6	7	-	13	22.8	239	22.5	13	246	6.8	13
	9	2	2	-	4	7.0	227	28.7	4	244	3.3	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	32	-	57	100.0	206	38.8	57	236	13.4	57
5/13- 5/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	-	-	5	9.1	122	57.2	5	199	23.7	5
	4	7	4	-	11	20.0	144	16.7	11	204	11.5	11
	5	5	10	-	15	27.3	184	14.1	15	221	4.8	15
	6	2	2	-	4	7.3	218	13.2	4	240	9.9	4
	7	3	8	-	11	20.0	225	37.1	11	238	8.3	11
	8	3	5	-	8	14.5	244	30.8	8	245	6.3	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.8	283	-	1	253	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	30	-	55	100.0	192	49.9	55	224	19.4	55
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	1	-	9	5.0	107	48.4	8	193	19.4	9
	4	11	10	-	21	11.6	135	18.8	20	203	8.8	21
	5	9	18	-	27	14.9	179	19.2	25	223	6.7	27
	6	14	5	-	19	10.5	195	26.4	16	234	8.3	19
	7	23	39	-	62	34.3	219	29.0	52	240	9.1	62
	8	18	15	-	33	18.2	230	33.2	27	244	7.7	33
	9	4	3	-	7	3.9	226	24.9	5	246	7.1	7
	10	1	1	-	2	1.1	257	37.5	2	249	6.4	2
	11+	1	-	-	1	.6	-	-	-	243	-	1
Total		89	92	-	181	100.0	196	46.5	155	231	18.0	181

Table 215. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Wide Bay, statistical area M110, 1984.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	2.6	14	-	1	102	-	1
	3	-	1	-	1	2.6	46	-	1	150	-	1
	4	5	5	-	10	25.6	112	21.5	10	191	13.2	10
	5	2	5	-	7	17.9	161	13.2	7	206	5.7	7
6/17- 6/23	6	2	4	-	6	15.4	208	35.4	6	225	9.7	6
	7	2	3	-	5	12.8	211	16.8	5	229	11.6	5
	8	7	2	-	9	23.1	233	14.5	9	233	6.2	9
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		19	20	-	39	100.0	172	60.7	39	210	28.1	39

Table 216. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	192	164	4	361	40.7	108	58.3	238	194	9.9	361
	4	82	79	-	162	18.2	145	23.0	125	215	10.0	162
	5	43	40	-	83	9.3	163	24.8	66	224	11.7	83
4/15- 4/30	6	85	85	-	170	19.1	187	28.3	148	231	8.9	170
	7	13	11	-	24	2.7	201	29.2	20	235	8.6	24
	8	16	8	-	24	2.7	212	33.0	21	241	8.5	24
	9	33	26	-	59	6.6	227	28.0	55	245	8.8	59
	10	1	1	1	3	.3	203	31.1	2	253	11.0	3
	11+	2	-	-	2	.2	295	35.4	2	273	1.4	2
Period total		467	414	5	888	100.0	154	57.7	677	214	20.7	888

Table 217. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Raspberry St., statistical area A010, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight Mean (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number	Dev. Weighed	Mean	Std. Number	Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	4	-	5	6.8	138	7.8	5	213	7.2	
	4	28	32	-	60	81.1	156	14.1	60	224	6.5	
	5	2	1	-	3	4.1	158	21.6	3	224	5.9	
5/22- 5/28	6	1	1	-	2	2.7	189	24.7	2	235	3.5	
	7	-	1	-	1	1.4	177	-	1	255	-	
	8	1	1	-	2	2.7	189	-	1	239	19.8	
	9	-	-	-	-	-	-	-	-	-	-	
	10	1	-	-	1	1.4	249	-	1	251	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		34	40	-	74	100.0	158	19.4	73	224	9.2	74

Table 218. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/10- 4/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	7.7	97	10.7	4	192	8.2	4
	4	3	2	-	5	9.6	142	21.4	5	214	10.9	5
	5	5	4	-	9	17.3	161	23.0	9	219	10.1	9
	6	9	14	-	23	44.2	188	25.2	23	227	8.9	23
	7	3	-	-	3	5.8	198	30.7	3	235	7.6	3
	8	2	-	-	2	3.8	225	33.9	2	243	13.4	2
	9	5	1	-	6	11.5	218	44.5	6	239	10.4	6
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		30	22	-	52	100.0	177	41.1	52	224	14.9	52
4/17- 4/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	9	-	17	12.1	98	24.8	17	187	19.2	17
	4	9	23	-	32	22.9	142	17.4	31	217	7.0	32
	5	7	8	-	15	10.7	158	13.3	12	224	5.7	15
	6	26	22	-	48	34.3	188	24.5	45	231	7.6	48
	7	3	5	-	8	5.7	194	33.9	6	235	10.5	8
	8	4	4	-	8	5.7	214	44.3	8	245	6.6	8
	9	6	5	-	11	7.9	230	26.3	11	245	7.4	11
	10	1	-	-	1	.7	-	-	-	242	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		64	76	-	140	100.0	168	44.8	130	224	18.9	140
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	11	10	-	21	10.9	98	22.6	21	188	17.7	21
	4	12	25	-	37	19.3	142	17.6	36	216	7.5	37
	5	12	12	-	24	12.5	159	17.7	21	222	7.9	24
	6	35	36	-	71	37.0	188	24.6	68	230	8.2	71
	7	6	5	-	11	5.7	195	30.9	9	235	9.4	11
	8	6	4	-	10	5.2	217	40.9	10	245	7.4	10
	9	11	6	-	17	8.9	226	32.9	17	243	8.8	17
	10	1	-	-	1	.5	-	-	-	242	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		94	98	-	192	100.0	171	43.9	182	224	17.9	192

Table 219. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Paramanof Bay, statistical area A031, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/10- 4/16	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	9	16	-	25	32.9	98	15.0	25	190	9.5	25	
	4	5	7	-	12	15.8	138	27.6	12	208	11.0	12	
	5	4	2	-	6	7.9	152	16.9	6	215	4.9	6	
	6	12	7	-	19	25.0	184	20.6	19	226	8.5	19	
	7	1	4	-	5	6.6	214	34.6	5	234	7.6	5	
	8	1	1	-	2	2.6	202	6.4	2	231	1.4	2	
	9	2	5	-	7	9.2	216	20.4	7	240	5.3	7	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		34	42	-	76	100.0	151	48.6	76	212	19.9	76	
4/17- 4/23	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	33	33	-	66	37.5	88	15.6	37	189	8.4	66	
	4	16	15	-	31	17.6	132	21.7	24	213	10.5	31	
	5	6	9	-	15	8.5	155	26.5	11	220	17.2	15	
	6	18	18	-	36	20.5	167	27.1	25	229	7.7	36	
	7	4	-	-	4	2.3	202	28.4	3	234	12.4	4	
	8	4	2	-	6	3.4	202	25.9	3	238	7.6	6	
	9	7	8	-	15	8.5	223	31.5	12	244	10.5	15	
	10	-	1	-	1	.6	181	-	1	254	-	1	
	11+	2	-	-	2	1.1	295	35.4	2	273	1.4	2	
Period total		90	86	-	176	100.0	144	53.3	118	213	23.2	176	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	42	49	-	91	36.1	92	15.9	62	189	8.7	91	
	4	21	22	-	43	17.1	134	23.6	36	212	10.8	43	
	5	10	11	-	21	8.3	154	23.0	17	219	14.8	21	
	6	30	25	-	55	21.8	174	25.7	44	228	8.0	55	
	7	5	4	-	9	3.6	209	30.9	8	234	9.3	9	
	8	5	3	-	8	3.2	202	18.6	5	236	7.2	8	
	9	9	13	-	22	8.7	220	27.5	19	243	9.2	22	
	10	-	1	-	1	.4	181	-	1	254	-	1	
	11+	2	-	-	2	.8	295	35.4	2	273	1.4	2	
Total		124	128	-	252	100.0	147	51.5	194	213	22.2	252	

Table 220. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/10- 4/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	1	3	-	4	14.3	-	-	-	224	1.5	4
	5	1	-	-	1	3.6	-	-	-	240	-	1
	6	1	3	-	4	14.3	-	-	-	242	12.0	4
	7	1	4	-	5	17.9	-	-	-	246	8.1	5
	8	-	2	-	2	7.1	-	-	-	255	.7	2
	9	7	3	-	10	35.7	-	-	-	259	10.3	10
	10	-	2	-	2	7.1	-	-	-	263	10.6	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		11	17	-	28	100.0	-	-	-	248	15.0	28
4/17- 4/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	1	5	-	6	6.8	154	5.7	2	212	8.3	6
	5	10	6	-	16	18.2	157	12.1	3	219	5.8	16
	6	12	24	-	36	40.9	180	15.8	12	227	6.2	36
	7	5	1	-	6	6.8	-	-	-	234	6.1	6
	8	3	3	-	6	6.8	227	23.9	3	243	11.3	6
	9	10	6	-	16	18.2	234	29.1	9	243	12.6	16
	10	1	1	-	2	2.3	-	-	-	244	7.1	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		42	46	-	88	100.0	197	36.9	29	229	12.4	88
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	8	-	10	8.6	154	5.7	2	217	8.6	10
	5	11	6	-	17	14.7	157	12.1	3	220	7.5	17
	6	13	27	-	40	34.5	180	15.8	12	229	8.1	40
	7	6	5	-	11	9.5	-	-	-	239	9.1	11
	8	3	5	-	8	6.9	227	23.9	3	246	10.9	8
	9	17	9	-	26	22.4	234	29.1	9	249	14.1	26
	10	1	3	-	4	3.4	-	-	-	253	13.0	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		53	63	-	116	100.0	197	36.9	29	234	15.4	116

Table 221. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Blue Fox Bay, statistical area A040, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	13	7	-	20	29.0	97	18.3	20	195	8.7	20
	4	4	4	-	8	11.6	146	30.3	8	219	15.9	8
	5	4	6	-	10	14.5	170	28.6	10	229	10.5	10
4/17- 4/23	6	9	4	-	13	18.8	190	27.8	13	236	9.3	13
	7	1	2	-	3	4.3	199	23.2	3	237	6.0	3
	8	2	1	-	3	4.3	208	31.2	3	246	5.1	3
	9	8	4	-	12	17.4	232	19.0	12	251	5.0	12
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	28	-	69	100.0	164	54.7	69	224	23.1	69

Table 222. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Pauls Bay, statistical area A070, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
4/17- 4/23	5	-	1	-	1	5.6	197	-	1	222	-	1
	6	5	9	-	14	77.8	174	17.0	14	220	5.1	14
	7	-	1	-	1	5.6	218	-	1	239	-	1
	8	1	-	-	1	5.6	228	-	1	241	-	1
	9	-	1	-	1	5.6	181	-	1	231	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		6	12	-	18	100.0	181	21.9	18	223	8.1	18

Table 223. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Red Fox Bay, statistical area A070, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	40	46	-	87	84.5	102	16.1	45	194	7.8	87
	4	6	3	-	9	8.7	127	13.5	5	207	7.0	9
	5	3	-	-	3	2.9	155	29.7	2	221	4.7	3
4/24- 4/30	6	2	-	-	2	1.9	211	15.6	2	239	12.7	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	1	1.0	175	-	1	225	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	1	1	1.0	225	-	1	264	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		52	49	1	103	100.0	113	32.8	56	198	13.3	103

Table 224. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kitoi Bay, statistical area A091, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	28	11	1	40	50.6	141	130.1	40	201	8.5	40
	4	11	7	-	19	24.1	156	20.3	19	220	10.3	19
	5	3	4	-	7	8.9	160	31.1	7	224	19.0	7
4/17- 4/23	6	3	8	-	11	13.9	199	33.7	11	235	12.2	11
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	2.5	229	2.1	2	243	3.5	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	32	1	79	100.0	156	96.5	79	213	17.2	79

Table 225. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Kitoi Bay, statistical area A091, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
3/26- 3/31	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	17	31	-	48	52.7	114	12.9	48	206	8.9	48
	4	12	14	-	26	28.6	137	24.1	25	217	12.0	25
	5	5	4	-	9	9.9	154	24.0	9	228	12.0	9
	6	-	2	-	2	2.2	184	26.9	2	241	9.2	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	1.1	152	-	1	233	-	1
	9	2	3	-	5	5.5	274	12.5	5	263	3.0	5
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	55	-	91	100.0	135	41.5	90	216	17.4	90
4/ 6- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	83	69	-	152	55.3	115	17.4	123	202	9.9	152
	4	43	32	1	76	27.6	152	24.6	69	221	11.1	76
	5	12	9	-	21	7.6	169	34.5	18	227	9.6	21
	6	5	6	-	11	4.0	193	45.0	11	236	9.2	11
	7	-	1	-	1	.4	216	-	1	249	-	1
	8	1	1	-	2	.7	235	79.9	2	248	12.7	2
	9	-	8	-	8	2.9	296	14.3	6	258	5.4	8
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	4	-	4	1.5	331	69.3	4	264	13.4	4
Period total		144	130	1	275	100.0	143	50.2	234	213	18.4	275
6/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	6	1	-	7	12.7	124	16.2	7	211	5.4	7
	4	25	5	-	30	54.5	161	21.9	30	226	8.6	30
	5	2	-	-	2	3.6	193	10.6	2	244	4.2	2
	6	10	4	-	14	25.5	196	16.9	13	243	7.6	14
	7	-	1	-	1	1.8	215	-	1	242	-	1
	8	1	-	-	1	1.8	249	-	1	252	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		44	11	-	55	100.0	168	31.9	54	230	13.4	55
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	106	101	-	207	49.2	115	16.3	178	203	9.9	207
	4	80	51	1	132	31.4	151	25.0	124	222	11.0	131
	5	19	13	-	32	7.6	166	31.4	29	228	10.7	32
	6	15	12	-	27	6.4	194	31.4	26	240	8.8	27
	7	-	2	-	2	.5	216	.7	2	246	4.9	2
	8	2	2	-	4	1.0	218	63.9	4	245	11.1	4
	9	2	11	-	13	3.1	286	17.0	11	260	5.2	13
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	4	-	4	1.0	331	69.3	4	264	13.4	4
Total		224	196	1	421	100.0	145	47.0	378	216	18.4	420

Table 226. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/10- 4/16	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	27	24	3	54	52.9	114	26.7	50	195	9.0	54	
	4	14	8	-	22	21.6	161	18.3	21	218	10.7	22	
	5	6	3	-	9	8.8	186	21.6	9	227	7.2	9	
	6	3	7	-	10	9.8	214	33.3	10	237	7.3	10	
	7	-	-	-	-	-	-	-	-	-	-	-	-
	8	2	-	-	2	2.0	237	4.9	2	247	6.4	2	
	9	4	1	-	5	4.9	241	35.6	5	247	8.8	5	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		56	43	3	102	100.0	150	49.7	97	210	20.1	102	
4/17- 4/23	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	31	17	-	48	52.7	-	-	-	199	7.1	48	
	4	14	10	-	24	26.4	-	-	-	217	6.5	24	
	5	5	4	-	9	9.9	-	-	-	230	8.3	9	
	6	3	5	-	8	8.8	-	-	-	235	6.9	8	
	7	1	-	-	1	1.1	-	-	-	230	-	1	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.1	-	-	-	257	-	1	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		55	36	-	91	100.0	-	-	-	211	15.7	91	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	58	41	3	102	52.8	114	26.7	50	197	8.4	102	
	4	28	18	-	46	23.8	161	18.3	21	218	8.7	46	
	5	11	7	-	18	9.3	186	21.6	9	228	7.7	18	
	6	6	12	-	18	9.3	214	33.3	10	236	7.0	18	
	7	1	-	-	1	.5	-	-	-	230	-	1	
	8	2	-	-	2	1.0	237	4.9	2	247	6.4	2	
	9	5	1	-	6	3.1	241	35.6	5	248	9.0	6	
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		111	79	3	193	100.0	150	49.7	97	211	18.1	193	

Table 227. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Mean (gm)	Weight		Mean (mm)	Std. Length	
		Male	Female	Unknown			Std. Number Weighed	Std. Number Measured			
4/10- 4/16	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	5	4	-	9	7.9	142	43.5	9	205	10.0
	4	26	12	-	38	33.3	165	16.9	36	221	6.6
	5	14	15	-	29	25.4	192	26.3	29	230	9.1
	6	12	12	-	24	21.1	199	30.0	24	233	8.9
	7	4	-	-	4	3.5	186	36.7	4	233	11.7
	8	1	1	-	2	1.8	200	59.4	2	245	1.4
	9	3	4	-	7	6.1	218	33.8	7	245	10.4
	10	-	1	-	1	.9	310	-	1	264	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		65	49	-	114	100.0	183	35.6	112	227	12.9
4/17- 4/23	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	4	-	5	5.6	124	8.8	4	204	6.2
	4	20	19	-	39	43.8	164	18.8	35	223	7.5
	5	12	8	-	20	22.5	186	20.8	19	234	7.2
	6	7	10	-	17	19.1	209	27.5	16	237	9.5
	7	-	1	-	1	1.1	285	-	1	263	-
	8	-	-	-	-	-	-	-	-	-	-
	9	4	2	-	6	6.7	211	22.1	4	252	6.5
	10	1	-	-	1	1.1	-	-	-	234	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		45	44	-	89	100.0	180	32.7	79	230	13.2
All periods	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	6	8	-	14	6.9	136	36.8	13	205	8.6
	4	46	31	-	77	37.9	164	17.7	71	222	7.1
	5	26	23	-	49	24.1	189	24.3	48	232	8.5
	6	19	22	-	41	20.2	203	29.1	40	234	9.3
	7	4	1	-	5	2.5	206	54.6	5	239	16.8
	8	1	1	-	2	1.0	200	59.4	2	245	1.4
	9	7	6	-	13	6.4	215	29.0	11	248	9.2
	10	1	1	-	2	1.0	310	-	1	249	21.2
	11+	-	-	-	-	-	-	-	-	-	-
Total		110	93	-	203	100.0	182	34.4	191	228	13.0

Table 228. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	5	5	-	10	40.0	161	13.5	10	222	6.4	10
4/24- 4/30	5	4	4	-	8	32.0	187	19.5	8	230	7.4	8
	6	-	5	-	5	20.0	197	35.2	5	241	4.4	5
	7	1	-	-	1	4.0	203	-	1	235	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	4.0	251	-	1	251	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		10	15	-	25	100.0	182	28.9	25	230	10.3	25

Table 229. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Litnik Bay, statistical area A101, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	6	-	6	15.0	136	10.4	6	217	7.7	6
	4	5	5	-	10	25.0	170	15.6	10	233	6.3	10
	5	3	7	-	10	25.0	171	23.1	10	234	11.1	10
4/17- 4/23	6	9	4	-	13	32.5	194	20.2	13	245	3.6	13
	7	-	1	-	1	2.5	184	-	1	257	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		17	23	-	40	100.0	173	26.1	40	236	12.1	40

Table 230. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	12	11	-	23	35.9	-	-	186	8.0	23	
	4	23	14	-	37	57.8	-	-	208	6.7	37	
	5	1	2	-	3	4.7	-	-	219	5.5	3	
	6	1	-	-	1	1.6	-	-	218	-	1	
	7	-	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		37	27	-	64	100.0	-	-	201	13.5	64	
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	
	2	3	-	-	3	2.7	55	.7	2	161	4.0	3
	3	11	5	-	16	14.2	90	18.3	13	184	13.3	16
	4	43	23	-	66	58.4	152	24.3	52	217	9.1	66
	5	8	15	-	23	20.4	186	29.0	17	228	10.5	23
	6	1	3	-	4	3.5	201	45.3	4	235	13.5	4
	7	1	-	-	1	.9	179	-	1	226	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		67	46	-	113	100.0	149	41.6	89	214	19.1	113
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	1.7	55	.7	2	161	4.0	3
	3	23	16	-	39	22.0	90	18.3	13	185	10.4	39
	4	66	37	-	103	58.2	152	24.3	52	214	9.3	103
	5	9	17	-	26	14.7	186	29.0	17	227	10.4	26
	6	2	3	-	5	2.8	201	45.3	4	231	13.8	5
	7	1	-	-	1	.6	179	-	1	226	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		104	73	-	177	100.0	149	41.6	89	209	18.3	177

Table 231. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Onion Bay, statistical area UG10, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	3	-	-	3	2.7	55	.7	2	161	4.0	3
	3	11	5	-	16	14.2	90	18.3	13	184	13.3	16
	4	43	23	-	66	58.4	152	24.3	52	217	9.1	66
	5	8	15	-	23	20.4	186	29.0	17	228	10.5	23
5/22- 5/28	6	1	3	-	4	3.5	201	45.3	4	235	13.5	4
	7	1	-	-	1	.9	179	-	1	226	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		67	46	-	113	100.0	149	41.6	89	214	19.1	113

Table 232. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Viékoda Bay, statistical area UG20, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured
	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-
	4	4	5	-	9	42.9	-	-	219	7.9
	5	-	1	-	1	4.8	-	-	237	-
4/24- 4/30	6	1	6	-	7	33.3	-	-	233	10.3
	7	1	1	-	2	9.5	-	-	238	15.6
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	2	-	-	2	9.5	-	-	250	4.2
	11+	-	-	-	-	-	-	-	-	-
Period total		8	13	-	21	100.0	-	-	229	13.3

Table 233. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Islands, statistical area UG30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight Mean (gm)	Std. Number Dev. Weighed	Std. Length		
		Male	Female	Unknown				Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	
	3	12	11	-	23	35.9	-	186	8.0	23
	4	23	14	-	37	57.8	-	208	6.7	37
4/24- 4/30	5	1	2	-	3	4.7	-	219	5.5	3
	6	1	-	-	1	1.6	-	218	-	1
	7	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		37	27	-	64	100.0	-	201	13.5	64

Table 234. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in E. Uganik Passage, statistical area UG30, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
4/24- 4/30	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	2	2	10.0	-	-	164	1.4	2
	3	1	2	-	3	15.0	-	-	189	4.4	3
	4	1	2	1	4	20.0	-	-	214	11.6	4
	5	1	1	-	2	10.0	-	-	224	1.4	2
	6	5	1	-	6	30.0	-	-	225	8.8	6
	7	1	-	-	1	5.0	-	-	231	-	1
	8	1	-	-	1	5.0	-	-	240	-	1
	9	1	-	-	1	5.0	-	-	251	-	1
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		11	6	3	20	100.0	-	-	214	24.1	20

Table 235. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in N.E. Arm Uganik Bay, statistical area UG32, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Weighed	Mean (mm)	Std. Number Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	3	2	-	5	35.7	111	21.1	5	187	5.2	5
	4	1	5	-	6	42.9	130	13.1	6	205	6.7	6
	5	-	1	-	1	7.1	158	-	1	217	-	1
5/ 8- 5/14	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	7.1	223	-	1	235	-	1
	10	-	1	-	1	7.1	215	-	1	233	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		4	10	-	14	100.0	138	39.5	14	203	16.9	14

Table 236. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in S. Arm Uganik Bay, statistical area UG34, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	5	5	10.2	-	-	154	3.1	5
	3	6	4	2	12	24.5	-	-	189	9.6	12
	4	10	10	1	21	42.9	-	-	205	7.8	21
5/ 8- 5/14	5	5	2	-	7	14.3	-	-	223	11.3	7
	6	1	1	-	2	4.1	-	-	233	18.4	2
	7	1	1	-	2	4.1	-	-	233	4.2	2
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		23	18	8	49	100.0	-	-	201	22.5	49

Table 237. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uyak District, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	3	4	.6	42	10.0	3	153	8.1	4
	3	112	90	1	203	29.8	84	15.0	110	183	9.8	203
	4	182	224	-	406	59.6	134	18.0	232	210	7.0	406
	5	13	9	-	22	3.2	148	21.1	14	216	6.5	22
	6	20	17	-	37	5.4	166	22.9	25	220	7.7	37
	7	3	4	-	7	1.0	186	20.9	6	234	12.7	7
	8	1	-	-	1	.1	170	-	1	234	-	1
	9	-	1	-	1	.1	248	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		332	345	4	681	100.0	123	33.0	392	202	16.3	681
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	2	-	4	2.3	104	-	1	188	8.1	4
	4	93	74	-	167	94.4	130	16.4	38	214	7.1	167
	5	2	2	-	4	2.3	120	-	1	220	12.5	4
	6	1	1	-	2	1.1	149	-	1	218	3.5	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		98	79	-	177	100.0	129	16.7	41	214	8.2	177
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	3	4	.5	42	10.0	3	153	8.1	4
	3	114	92	1	207	24.1	84	15.0	111	183	9.7	207
	4	275	298	-	573	66.8	133	17.8	270	211	7.3	573
	5	15	11	-	26	3.0	146	21.5	15	217	7.5	26
	6	21	18	-	39	4.5	165	22.7	26	220	7.6	39
	7	3	4	-	7	.8	186	20.9	6	234	12.7	7
	8	1	-	-	1	.1	170	-	1	234	-	1
	9	-	1	-	1	.1	248	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		430	424	4	858	100.0	123	31.9	433	205	15.6	858

Table 238. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	2	3	1.4	42	10.0	3	154	9.6	3
	3	40	32	1	73	34.0	82	13.1	72	181	10.5	73
	4	50	62	-	112	52.1	127	17.5	111	207	6.9	112
	5	4	4	-	8	3.7	143	25.0	8	216	9.7	8
5/ 1- 5/ 7	6	9	5	-	14	6.5	158	22.5	14	218	4.8	14
	7	-	3	-	3	1.4	192	10.1	3	231	9.7	3
	8	1	-	-	1	.5	170	-	1	234	-	1
	9	-	1	-	1	.5	248	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		105	107	3	215	100.0	115	33.5	213	199	17.5	215

Table 239. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Inner Uyak Bay, statistical area UY30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	20	5	-	25	18.8	72	10.1	25	177	7.7	25
	4	60	31	-	91	68.4	119	19.6	64	206	7.5	91
	5	2	1	-	3	2.3	113	5.0	3	207	4.6	3
5/ 1- 5/ 7	6	7	4	-	11	8.3	164	34.0	10	227	11.1	11
	7	1	-	-	1	.8	187	-	1	231	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	.8	-	-	-	247	-	1
	10	1	-	-	1	.8	185	-	1	231	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		91	42	-	133	100.0	113	34.0	104	203	16.4	133

Table 240. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-ro-e fishery in Larsen Bay, statistical area UY31, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	6	-	8	32.0	140	15.4	8	214	4.6	8
4/24- 4/30	5	3	2	-	5	20.0	142	19.0	5	218	7.9	5
	6	4	6	-	10	40.0	165	19.9	10	225	7.9	10
	7	-	1	-	1	4.0	213	-	1	235	-	1
	8	-	1	-	1	4.0	241	-	1	242	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		9	16	-	25	100.0	157	29.7	25	221	9.7	25
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.4	191	-	1	241	-	1
5/ 8- 5/14	4	15	36	-	51	72.9	145	16.5	51	214	6.9	51
	5	1	5	-	6	8.6	145	11.4	6	218	10.2	6
	6	1	7	-	8	11.4	167	17.7	8	224	6.8	8
	7	2	1	-	3	4.3	176	8.1	3	229	2.9	3
	8	1	-	-	1	1.4	242	-	1	265	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		20	50	-	70	100.0	151	21.7	70	218	10.3	70
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	1.1	191	-	1	241	-	1
	4	17	42	-	59	62.1	144	16.3	59	214	6.6	59
	5	4	7	-	11	11.6	144	14.6	11	218	8.7	11
All periods	6	5	13	-	18	18.9	166	18.4	18	225	7.3	18
	7	2	2	-	4	4.2	186	19.5	4	231	3.7	4
	8	1	1	-	2	2.1	242	.7	2	254	16.3	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		29	66	-	95	100.0	153	24.0	95	218	10.2	95

Table 241. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	9	-	17	29.3	90	12.2	16	184	6.2	17
	4	15	21	-	36	62.1	141	11.0	36	211	5.9	36
5/ 1- 5/ 7	5	1	1	-	2	3.4	154	16.3	2	213	5.7	2
	6	-	2	-	2	3.4	200	11.3	2	226	4.2	2
	7	-	1	-	1	1.7	197	-	1	233	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		24	34	-	58	100.0	130	30.4	57	204	14.8	58
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	2	-	4	2.3	104	-	1	188	8.1	4
	4	93	74	-	167	94.4	130	16.4	38	214	7.1	167
5/15- 5/21	5	2	2	-	4	2.3	120	-	1	220	12.5	4
	6	1	1	-	2	1.1	149	-	1	218	3.5	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		98	79	-	177	100.0	129	16.7	41	214	8.2	177
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	10	11	-	21	8.9	91	12.3	17	185	6.5	21
	4	108	95	-	203	86.4	135	15.0	74	214	7.0	203
	5	3	3	-	6	2.6	142	22.5	3	217	10.6	6
All periods	6	1	3	-	4	1.7	183	30.5	3	222	5.9	4
	7	-	1	-	1	.4	197	-	1	233	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		122	113	-	235	100.0	130	25.5	98	211	11.0	235

Table 242. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Zachar Bay, statistical area UY40, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	36	69	-	105	69.1	-	-	221	7.5	105
	5	6	9	-	15	9.9	-	-	221	9.5	15
5/ 1- 5/ 7	6	14	13	-	27	17.8	-	-	232	8.7	27
	7	-	3	-	3	2.0	-	-	242	7.6	3
	8	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	1.3	-	-	242	5.7	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		56	96	-	152	100.0	-	-	223	9.6	152

Table 243. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Zachar Bay, statistical area UY40, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
5/ 1- 5/ 7	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	1	-	1	5.6	-	-	191	-	1
	4	8	8	-	16	88.9	-	-	206	6.1	16
	5	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	7	-	1	-	1	5.6	-	-	228	-	1
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		8	10	-	18	100.0	-	-	206	8.6	18

Table 244. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	1	1	.2	-	-	-	150	-	1
	3	64	49	-	113	27.7	87	20.6	22	184	9.6	113
	4	117	141	-	258	63.2	139	18.2	85	211	7.0	258
	5	8	4	-	12	2.9	154	15.2	4	217	4.0	12
5/ 1-	6	11	10	-	21	5.1	170	17.4	9	221	9.2	21
5/ 7	7	3	-	-	3	.7	173	37.5	2	237	19.0	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		203	204	1	408	100.0	133	29.9	122	204	15.6	408

Table 245. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.2	-	-	-	166	-	1
	3	133	110	-	243	38.9	112	21.7	218	200	10.1	243
	4	145	120	-	265	42.5	156	20.9	220	221	9.1	265
	5	33	32	-	65	10.4	174	27.5	61	230	9.9	65
	6	18	13	-	31	5.0	193	28.1	30	239	8.6	31
	7	5	8	-	13	2.1	199	26.4	13	239	16.5	13
	8	4	-	-	4	.6	207	37.3	4	238	16.7	4
	9	-	1	-	1	.2	333	-	1	280	-	1
	10	1	-	-	1	.2	583	-	1	259	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		340	284	-	624	100.0	145	41.4	548	215	16.8	624
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	56	62	-	118	42.4	107	17.4	93	200	7.9	118
	4	75	64	-	139	50.0	149	20.6	113	221	8.9	139
	5	5	4	-	9	3.2	153	32.9	9	225	6.8	9
	6	3	1	-	4	1.4	191	12.3	4	240	10.7	4
	7	2	5	-	7	2.5	222	22.7	7	250	5.6	7
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	.4	232	-	1	261	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		142	136	-	278	100.0	135	33.8	227	214	15.0	278
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	2	1	7	4.6	47	8.7	6	163	10.6	7
	3	34	30	-	64	42.1	103	12.2	18	201	8.1	64
	4	32	38	-	70	46.1	148	22.2	43	223	8.5	70
	5	3	-	-	3	2.0	175	-	1	241	12.1	3
	6	3	3	-	6	3.9	183	40.8	4	233	13.5	6
	7	1	1	-	2	1.3	217	-	1	248	1.4	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		77	74	1	152	100.0	132	40.3	73	212	18.5	152
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	5	2	1	8	.8	47	8.7	6	164	9.9	8
	3	223	202	-	425	40.3	110	20.3	329	200	9.2	425
	4	252	222	-	474	45.0	153	21.2	376	221	8.9	474
	5	41	36	-	77	7.3	171	28.7	71	230	10.0	77
	6	24	17	-	41	3.9	192	27.9	38	238	9.5	41
	7	8	14	-	22	2.1	207	26.5	21	243	14.0	22
	8	4	-	-	4	.4	207	37.3	4	238	16.7	4
	9	1	1	-	2	.2	283	71.4	2	271	13.4	2
	10	1	-	-	1	.1	583	-	1	259	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		559	494	1	1054	100.0	141	39.8	848	214	16.6	1054

Table 246. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Old Harbor, statistical area G020, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Mean (gm)	Weights		Std. Length			
		Male	Female	Unknown			Std. Number	Mean (mm)	Std. Number	Measured		
	1	-	-	-	-	-	-	-	-	-		
	2	1	-	-	1	1.2	-	-	1666	-	1	
	3	10	11	-	21	25.0	119	18.22	153	2032	8.9	21
	4	31	24	-	55	65.5	157	28.71	268	2217	7.9	55
4/24- 4/30	5	1	3	-	4	4.8	162	27.66	35	2228	11.5	4
	6	-	3	-	3	3.6	225	178.88	15	2277	2.5	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		43	41	-	84	100.0	151	301.7	477	2296	13.6	84

Table 247. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Barling Bay, statistical area G021, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	3	-	4	6.7	132	10.9	4	215	7.4	4
	4	24	22	-	46	76.7	160	17.4	46	226	6.9	46
	5	1	1	-	2	3.3	170	7.1	2	226	1.4	2
5/ 1- 5/ 7	6	3	1	-	4	6.7	191	12.3	4	240	10.7	4
	7	1	2	-	3	5.0	211	11.5	3	247	5.3	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.7	232	-	1	261	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	29	-	60	100.0	164	24.0	60	228	10.3	60

Table 248. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anee Bay, statistical area G022, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/24- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	9	14	-	23	41.8	117	13.5	23	206	7.3	23
	4	18	12	-	30	54.5	150	18.0	30	225	7.8	30
	5	1	-	-	1	1.8	173	-	1	236	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	1	-	1	1.8	210	-	1	237	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	27	-	55	100.0	138	25.3	55	217	12.4	55

Table 249. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Anee Bay, statistical area G022, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	-	-	3	5.1	120	10.2	3	207	10.4	3
	4	26	9	-	35	59.3	156	20.9	35	225	8.0	35
	5	5	5	-	10	16.9	171	26.8	10	233	8.9	10
4/10- 4/16	6	7	2	-	9	15.3	196	35.5	9	236	10.1	9
	7	2	-	-	2	3.4	163	18.4	2	228	9.9	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		43	16	-	59	100.0	163	29.3	59	227	10.6	59

Table 250. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Tanginak Anchorage, statistical area G023, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	21	17	-	38	30.4	115	13.6	38	209	11.4	38
	4	23	15	-	38	30.4	154	20.4	38	223	11.7	38
	5	12	10	-	22	17.6	170	22.5	22	230	10.5	22
4/24- 4/30	6	11	6	-	17	13.6	192	21.6	17	237	8.6	17
	7	2	4	-	6	4.8	206	33.7	6	240	23.6	6
	8	2	-	-	2	1.6	223	6.4	2	251	7.1	2
	9	-	1	-	1	.8	333	-	1	280	-	1
	10	1	-	-	1	.8	583	-	1	259	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		72	53	-	125	100.0	158	54.8	125	224	17.0	125

Table 251. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kiliuda Bay, statistical area G040, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.5	53	-	1	166	-	1
	3	11	6	-	17	25.0	104	11.6	17	201	7.6	17
	4	17	27	-	44	64.7	148	22.2	43	221	8.4	44
	5	1	-	-	1	1.5	175	-	1	227	-	1
5/22- 5/28	6	2	2	-	4	5.9	183	40.8	4	229	14.1	4
	7	-	1	-	1	1.5	217	-	1	247	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	36	-	68	100.0	139	33.6	67	216	14.5	68

Table 252. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Shearwater Bay, statistical area G042, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	5.3	133	24.7	2	204	10.6	2
	4	18	14	-	32	84.2	164	15.3	32	221	6.0	32
5/15- 5/21	5	1	1	-	2	5.3	171	8.5	2	224	6.4	2
	6	-	-	-	-	-	-	-	-	-	-	-
	7	2	-	-	2	5.3	231	61.5	2	241	9.9	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		22	16	-	38	100.0	167	24.6	38	221	8.7	38

Table 253. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Ugak Bay, statistical areas G050-51, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 8- 5/14	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	20	22	-	42	40.0	108	9.2	18	200	7.3	42	
	4	27	30	-	57	54.3	139	12.5	32	218	6.8	57	
	5	1	3	-	4	3.8	155	18.2	4	224	5.7	4	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	2	-	2	1.9	227	25.5	2	253	9.2	2	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		48	57	-	105	100.0	134	26.9	56	212	12.8	105	
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	16	13	-	29	52.7	103	10.4	29	199	6.7	29	
	4	17	8	-	25	45.5	140	18.7	24	217	8.9	25	
	5	1	-	-	1	1.8	134	-	1	213	-	1	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		34	21	-	55	100.0	120	23.5	54	207	11.7	55	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	36	35	-	71	44.4	105	10.2	47	200	7.0	71	
	4	44	38	-	82	51.3	140	15.3	56	218	7.5	82	
	5	2	3	-	5	3.1	151	18.4	5	222	6.9	5	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	2	-	2	1.3	227	25.5	2	253	9.2	2	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		82	78	-	160	100.0	127	26.1	110	210	12.6	160	

Table 254. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Womens Bay, statistical area G060, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
4/24- 4/30	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	17	13	-	30	50.0	131	38.2	30	201	10.2	30	
	4	7	9	-	16	26.7	157	25.9	15	225	7.8	16	
	5	4	6	-	10	16.7	166	39.7	10	229	13.9	10	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	1	2	-	3	5.0	182	22.6	3	236	12.0	3	
	8	1	-	-	1	1.7	230	-	1	231	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		30	30	-	60	100.0	148	39.4	59	214	16.9	60	
5/ 1- 5/ 7	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	19	24	-	43	74.1	107	22.1	42	201	8.1	43	
	4	7	4	-	11	19.0	146	32.1	11	223	14.5	11	
	5	2	-	-	2	3.4	142	79.9	2	230	8.5	2	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	1	1	-	2	3.4	234	38.9	2	252	1.4	2	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		29	29	-	58	100.0	120	37.7	57	208	16.0	58	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	36	37	-	73	61.9	117	31.9	72	201	9.0	73	
	4	14	13	-	27	22.9	152	28.7	26	224	10.8	27	
	5	6	6	-	12	10.2	162	44.2	12	229	12.9	12	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	2	3	-	5	4.2	203	37.8	5	243	12.1	5	
	8	1	-	-	1	.8	230	-	1	231	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		59	59	-	118	100.0	134	40.9	116	211	16.7	118	

Table 255. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Anton Larsen Bay, statistical area G080, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	24	15	-	39	44.8	105	14.0	22	197	7.5	39
	4	23	13	-	36	41.4	167	12.7	19	223	6.0	36
4/24- 4/30	5	3	2	-	5	5.7	187	1.4	2	227	13.5	5
	6	3	3	-	6	6.9	196	30.3	5	238	10.8	6
	7	1	-	-	1	1.1	194	-	1	242	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		54	33	-	87	100.0	143	39.4	49	213	16.9	87

Table 256. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	3	2	1	6	7.1	46	9.3	5	163	11.5	6
	3	23	24	-	47	56.0	83	-	1	201	8.4	47
	4	15	11	-	26	31.0	-	-	-	226	8.0	26
	5	2	-	-	2	2.4	-	-	-	248	.0	2
5/15- 5/21	6	1	1	-	2	2.4	-	-	-	243	7.8	2
	7	1	-	-	1	1.2	-	-	-	249	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	38	1	84	100.0	52	17.2	6	209	20.7	84

Table 257. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	2	-	-	2	2.7	118	2.8	2	203	6.4
	4	28	20	-	48	64.9	157	14.4	48	220	5.9
	5	4	2	-	6	8.1	168	20.2	6	225	5.6
4/24- 4/30	6	9	8	-	17	23.0	182	25.8	17	232	7.7
	7	1	-	-	1	1.4	161	-	1	231	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		44	30	-	74	100.0	162	21.7	74	223	8.7

Table 258. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Sheratin Bay, statistical area G081, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 1- 5/ 7	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	6.3	126	2.1	2	211	1.4	2
	4	11	12	-	23	71.9	164	17.5	23	230	6.4	23
	5	-	4	-	4	12.5	188	17.0	4	241	11.2	4
	6	1	1	-	2	6.3	204	55.2	2	242	19.1	2
	7	1	-	-	1	3.1	208	-	1	249	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		14	18	-	32	100.0	168	25.6	32	231	10.4	32

Table 259. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Sheratin Bay, statistical area G081, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	6	4	15	25	75.8	53	6.1	25	159	5.4	25
	3	-	2	-	2	6.1	101	8.5	2	193	2.8	2
	4	1	4	-	5	15.2	167	24.7	5	219	10.3	5
	5	-	1	-	1	3.0	235	-	1	242	-	1
5/ 1- 5/ 7	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		7	11	15	33	100.0	79	51.3	33	173	26.5	33

Table 260. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	8	-	13	12.1	113	21.5	13	199	11.7	13
	4	31	39	-	70	65.4	158	22.5	70	220	9.4	70
	5	10	7	-	17	15.9	182	22.6	17	231	5.6	17
4/24- 4/30	6	3	1	-	4	3.7	159	22.1	4	237	5.2	4
	7	1	1	-	2	1.9	199	19.8	2	238	12.0	2
	8	1	-	-	1	.9	151	-	1	218	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	56	-	107	100.0	157	29.2	107	220	13.2	107

Table 261. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kalsin Bay, statistical area G100, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev. Number Weighed	Mean (mm)	Std. Dev. Number Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	47	32	-	79	74.5	103	14.1	79	194	6.3
	4	12	8	-	20	18.9	144	20.9	20	218	7.7
	5	2	4	-	6	5.7	183	39.4	6	232	9.3
4/24- 4/30	6	1	-	-	1	.9	234	-	1	248	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		62	44	-	106	100.0	117	31.0	106	201	14.4

Table 262. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Alitak District, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	9	4	-	13	2.9	92	-	1	185	8.8	13
	4	131	129	-	260	57.0	127	19.6	119	210	10.5	260
	5	4	10	-	14	3.1	138	23.1	3	216	9.5	14
5/16- 5/31	6	8	4	-	12	2.6	172	15.6	2	226	12.8	12
	7	10	16	-	26	5.7	161	29.1	9	228	10.9	26
	8	13	13	-	26	5.7	193	22.3	16	235	9.4	26
	9	54	47	-	101	22.1	197	27.8	28	243	14.6	101
	10	2	2	-	4	.9	215	-	1	251	19.8	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		231	225	-	456	100.0	147	36.8	179	220	19.2	456

Table 263. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Outer Alitak Bay, statistical area AL10, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured
	1	-	-	-	-	-	-	-	-	-
	2	1	-	1	2	1.9	-	-	163	.7 2
	3	17	11	10	38	36.9	-	-	181	9.3 38
	4	8	7	11	26	25.2	-	-	197	11.2 26
	5	11	1	9	21	20.4	-	-	211	8.0 21
5/15- 5/21	6	4	1	7	12	11.7	-	-	216	8.5 12
	7	2	-	1	3	2.9	-	-	236	7.0 3
	8	-	-	-	-	-	-	-	-	-
	9	-	-	1	1	1.0	-	-	246	- 1
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		43	20	40	103	100.0	-	-	197	19.0 103

Table 264. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1983.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	31	77.5	-	-	144	9.6	31
	3	1	-	-	4	10.0	-	-	177	9.4	4
	4	3	1	-	4	10.0	-	-	193	8.4	4
	5	-	-	-	-	-	-	-	-	-	-
	6	-	1	-	1	2.5	-	-	212	-	1
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		4	2	-	40	100.0	-	-	154	21.4	40

Table 265. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured
	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	7	2	-	9	13.6	-	-	181	6.9
	4	14	24	-	38	57.6	-	-	206	10.7
	5	2	8	-	10	15.2	-	-	217	9.2
5/15- 5/21	6	3	2	-	5	7.6	-	-	227	16.7
	7	2	2	-	4	6.1	-	-	227	12.4
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		28	38	-	66	100.0	-	-	207	16.5

Table 266. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Sulua Bay, statistical area AL30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	5	15	-	20	48.8	156	14.7	20	215	6.1	20
5/15- 5/21	5	3	2	-	5	12.2	180	26.9	5	227	13.5	5
	6	2	2	-	4	9.8	172	12.7	4	218	4.8	4
	7	2	5	-	7	17.1	187	35.9	7	227	18.4	7
	8	2	2	-	4	9.8	216	42.9	4	234	8.0	4
	9	1	-	-	1	2.4	255	-	1	259	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	26	-	41	100.0	174	32.4	41	221	13.3	41

Table 267. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	1.5	-	-	196	7.8	2	
	4	35	31	-	66	50.8	135	16.9	36	212	8.7	66
	5	1	1	-	2	1.5	137	32.5	2	206	8.5	2
	6	3	1	-	4	3.1	172	15.6	2	226	4.3	4
	7	2	7	-	9	6.9	164	25.9	5	228	11.1	9
	8	3	4	-	7	5.4	200	15.3	5	239	11.5	7
	9	23	16	-	39	30.0	201	28.8	16	240	10.8	39
	10	1	-	-	1	.8	215	-	1	244	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		69	61	-	130	100.0	160	36.9	67	223	16.6	130
5/22- 5/28	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	1.0	92	-	1	192	5.7	2
	4	52	57	-	109	54.2	129	22.5	36	213	10.3	109
	5	-	1	-	1	.5	-	-	-	227	-	1
	6	2	1	-	3	1.5	-	-	-	223	17.2	3
	7	5	7	-	12	6.0	160	43.3	3	230	11.0	12
	8	7	7	-	14	7.0	187	18.8	6	235	8.8	14
	9	27	30	-	57	28.4	195	21.5	7	246	15.2	57
	10	1	2	-	3	1.5	-	-	-	254	23.5	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		95	106	-	201	100.0	145	36.0	53	226	19.4	201
5/29- 6/ 4	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	30	17	-	47	79.7	120	17.2	47	202	8.0	47
	5	1	-	-	1	1.7	141	-	1	217	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	1.7	144	-	1	214	-	1
	8	3	2	-	5	8.5	192	32.7	5	231	7.8	5
	9	4	1	-	5	8.5	185	34.1	5	225	18.5	5
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		39	20	-	59	100.0	133	32.4	59	207	13.3	59
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	2	-	4	1.0	92	-	1	194	5.9	4
	4	117	105	-	222	56.9	127	19.6	119	211	10.4	222
	5	2	2	-	4	1.0	138	23.1	3	214	11.2	4
	6	5	2	-	7	1.8	172	15.6	2	225	10.5	7
	7	8	14	-	22	5.6	161	29.1	9	228	11.0	22
	8	13	13	-	26	6.7	193	22.3	16	235	9.4	26
	9	54	47	-	101	25.9	197	27.8	28	243	14.6	101
	10	2	2	-	4	1.0	215	-	1	251	19.8	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		203	187	-	390	100.0	147	36.8	179	222	18.8	390

Table 268. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
5/ 8- 5/14	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	2	1	-	3	75.0	-	-	212	7.0	3
	5	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	25.0	-	-	230	-	1
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		3	1	-	4	100.0	-	-	217	10.7	4
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	4	1	-	5	62.5	-	-	220	7.0	5
	5	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	2	1	-	3	37.5	-	-	247	12.2	3
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		6	2	-	8	100.0	-	-	230	16.4	8
5/22- 5/28	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	5.5	-	-	187	3.4	4
	4	10	12	-	22	30.1	-	-	215	15.1	22
	5	-	-	-	-	-	-	-	-	-	-
	6	1	1	-	2	2.7	-	-	237	14.8	2
	7	3	6	-	9	12.3	-	-	233	5.7	9
	8	-	2	-	2	2.7	-	-	239	12.0	2
	9	13	21	-	34	46.6	-	-	249	12.2	34
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		30	43	-	73	100.0	-	-	232	21.9	73
All periods	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	3	1	-	4	4.7	-	-	187	3.4	4
	4	16	14	-	30	35.3	-	-	215	13.4	30
	5	-	-	-	-	-	-	-	-	-	-
	6	1	1	-	2	2.4	-	-	237	14.8	2
	7	3	6	-	9	10.6	-	-	233	5.7	9
	8	-	2	-	2	2.4	-	-	239	12.0	2
	9	16	22	-	38	44.7	-	-	248	12.3	38
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Total		39	46	-	85	100.0	-	-	232	21.2	85

Table 269. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Mainland District, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	.8	91	-	1	198	-	1
	4	1	-	-	1	.8	121	-	1	206	-	1
	5	3	3	-	6	4.9	157	20.1	4	221	4.6	6
	6	34	27	-	61	49.6	189	27.3	53	235	9.8	61
	7	22	16	-	38	30.9	213	35.4	27	241	9.8	38
	8	2	6	-	8	6.5	251	17.6	8	257	7.6	8
	9	-	-	-	-	-	-	-	-	-	-	-
	10	3	4	-	7	5.7	244	9.5	7	250	4.5	7
	11+	-	1	-	1	.8	271	-	1	254	-	1
Period total		65	58	-	123	100.0	202	38.7	102	238	12.6	123
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	-	-	2	10.0	113	9.9	2	202	4.2	2
	4	-	2	-	2	10.0	148	12.7	2	221	2.1	2
	5	-	2	-	2	10.0	174	20.5	2	228	4.2	2
	6	1	3	-	4	20.0	191	39.1	4	235	9.3	4
	7	4	4	-	8	40.0	222	46.6	8	247	9.8	8
	8	1	-	-	1	5.0	184	-	1	235	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	5.0	293	-	1	261	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		8	12	-	20	100.0	194	53.7	20	236	17.1	20
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	26	21	-	47	28.0	88	12.7	46	187	7.8	47
	4	24	13	-	37	22.0	139	17.7	37	216	7.7	37
	5	10	16	-	26	15.5	162	25.6	26	225	10.2	26
	6	17	16	-	33	19.6	190	23.0	31	236	6.3	33
	7	8	12	-	20	11.9	202	19.8	20	240	8.5	20
	8	1	1	-	2	1.2	227	23.3	2	249	1.4	2
	9	2	-	-	2	1.2	176	-	1	249	19.1	2
	10	1	-	-	1	.6	279	-	1	255	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		89	79	-	168	100.0	148	48.2	164	217	22.1	168
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	28	22	-	50	16.1	89	13.4	49	188	8.3	50
	4	25	15	-	40	12.9	139	17.5	40	216	7.6	40
	5	13	21	-	34	10.9	162	24.3	32	224	9.3	34
	6	52	46	-	98	31.5	189	26.1	88	236	8.7	98
	7	34	32	-	66	21.2	210	32.7	55	241	9.6	66
	8	4	7	-	11	3.5	240	26.6	11	253	9.3	11
	9	2	-	-	2	.6	176	-	1	249	19.1	2
	10	4	5	-	9	2.9	254	20.4	9	252	5.3	9
	11+	-	1	-	1	.3	271	-	1	254	-	1
Total		162	149	-	311	100.0	170	52.3	286	227	21.2	311

Table 270. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kukak Bay, statistical area M020, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	10	4	-	14	28.0	85	12.7	14	188	9.9	14
	4	17	8	-	25	50.0	141	18.2	25	218	5.8	25
	5	4	5	-	9	18.0	150	18.7	9	223	7.3	9
5/29- 6/ 4	6	1	-	-	1	2.0	157	-	1	235	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	2.0	176	-	1	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		33	17	-	50	100.0	128	32.1	50	211	16.6	50

Table 271. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kashvick Bay, statistical area M050, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 1- 5/ 7	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	-	-	2	10.0	113	9.9	2	202	4.2	2
	4	-	2	-	2	10.0	148	12.7	2	221	2.1	2
	5	-	2	-	2	10.0	174	20.5	2	228	4.2	2
	6	1	3	-	4	20.0	191	39.1	4	235	9.3	4
	7	4	4	-	8	40.0	222	46.6	8	247	9.8	8
	8	1	-	-	1	5.0	184	-	1	235	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	5.0	293	-	1	261	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		8	12	-	20	100.0	194	53.7	20	236	17.1	20
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	7	7	-	14	28.0	88	12.2	13	187	6.6	14
	4	3	3	-	6	12.0	134	23.9	6	211	13.2	6
	5	2	4	-	6	12.0	168	18.8	6	226	6.4	6
	6	3	7	-	10	20.0	192	23.1	10	237	7.3	10
	7	8	3	-	11	22.0	200	13.7	11	240	6.0	11
	8	-	1	-	1	2.0	243	-	1	250	-	1
	9	1	-	-	1	2.0	-	-	-	262	-	1
	10	1	-	-	1	2.0	279	-	1	255	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	25	-	50	100.0	158	53.3	48	221	24.5	50
5/22- 5/28	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	9	10	-	19	27.9	89	13.4	19	187	7.3	19
	4	4	2	-	6	8.8	135	5.6	6	214	5.8	6
	5	4	7	-	11	16.2	169	31.1	11	225	13.9	11
	6	13	9	-	22	32.4	191	22.8	20	236	6.0	22
	7	-	9	-	9	13.2	205	26.0	9	239	11.1	9
	8	1	-	-	1	1.5	210	-	1	248	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	37	-	68	100.0	155	50.5	66	219	23.1	68
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	18	17	-	35	25.4	90	13.8	34	188	7.6	35
	4	7	7	-	14	10.1	137	16.4	14	213	9.6	14
	5	6	13	-	19	13.8	169	25.7	19	226	11.0	19
	6	17	19	-	36	26.1	191	24.2	34	236	6.6	36
	7	12	16	-	28	20.3	208	30.4	28	242	9.4	28
	8	2	1	-	3	2.2	212	29.6	3	244	8.1	3
	9	1	-	-	1	.7	-	-	-	262	-	1
	10	1	1	-	2	1.4	286	9.9	2	258	4.2	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		64	74	-	138	100.0	162	53.4	134	222	23.4	138

Table 272. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Alinchak Bay, statistical area M070, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	Number	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
	5	1	1	-	2	3.5	-	-	221	1.4	2	
4/24- 4/30	6	16	12	-	28	49.1	177	21.6	20	230	8.1	28
	7	11	7	-	18	31.6	189	26.6	7	238	8.9	18
	8	-	2	-	2	3.5	235	19.8	2	254	1.4	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	3	3	-	6	10.5	245	10.1	6	250	4.8	6
	11+	-	1	-	1	1.8	271	-	1	254	-	1
Period total		31	26	-	57	100.0	197	35.7	36	236	11.1	57

Table 273. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Wide Bay, statistical area M110, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.5	91	-	1	198	-	1
	4	1	-	-	1	1.5	121	-	1	206	-	1
	5	2	2	-	4	6.1	157	20.1	4	221	5.9	4
4/24- 4/30	6	18	15	-	33	50.0	195	28.4	33	240	9.1	33
	7	11	9	-	20	30.3	221	34.8	20	243	10.2	20
	8	2	4	-	6	9.1	256	15.1	6	258	8.7	6
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.5	239	-	1	252	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		34	32	-	66	100.0	204	40.2	66	240	13.4	66

Table 274. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weights			Stndl. Length		
		Male	Female	Unknown			Mean (gms)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.2	1440	-	11	1990	-	11
	3	61	48	-	109	18.4	1221	20.6	377	2066	9.9	109
	4	66	63	-	129	21.8	1446	23.3	1000	2197	9.5	129
	5	107	81	-	188	31.8	1559	25.2	1511	2225	10.4	188
	6	13	20	-	33	5.6	1775	28.7	24	2331	9.1	33
	7	17	16	-	33	5.6	2003	29.9	28	2441	9.9	33
	8	53	32	-	85	14.4	2001	28.5	711	2411	10.2	85
	9	5	4	-	9	1.5	2122	32.4	9	2465	10.0	9
	10	-	1	-	1	.2	-	-	-	2577	-	1
	11+	1	2	-	3	.5	2770	52.3	2	2533	8.5	3
Period total		324	267	-	591	100.0	1160	37.5	4731	2223	10.1	591
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	1.3	902	35.9	2	1799	30.1	3
	3	27	32	-	59	25.1	1103	18.0	399	2011	9.0	59
	4	25	25	-	50	21.3	1137	27.6	391	2146	10.0	50
	5	30	28	-	58	24.7	1066	25.2	377	2245	9.9	58
	6	7	4	-	11	4.7	1365	30.9	6	2316	10.6	11
	7	9	4	-	13	5.5	2215	19.9	6	2431	7.9	13
	8	12	25	-	37	15.7	2144	32.2	189	2353	10.2	37
	9	2	2	-	4	1.7	2401	36.6	3	2680	6.7	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		115	120	-	235	100.0	1156	46.0	1030	2221	10.1	235
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	-	-	4	.5	1112	46.3	3	1966	26.3	4
	3	88	80	-	168	20.3	1118	20.1	1226	2096	9.8	168
	4	91	88	-	179	21.7	1146	24.6	1311	2165	10.0	179
	5	137	109	-	246	29.8	1310	24.6	1836	2335	10.7	246
	6	20	24	-	44	5.3	1777	28.9	300	2322	9.6	44
	7	26	20	-	46	5.6	2055	28.3	366	2411	9.3	46
	8	65	57	-	122	14.8	2003	29.8	899	2422	10.3	122
	9	7	6	-	13	1.6	2119	34.2	82	2465	8.9	13
	10	-	1	-	1	.1	-	-	-	2577	-	1
	11+	1	2	-	3	.4	2770	52.3	2	2533	8.5	3
Total		439	387	-	826	100.0	1599	39.6	6111	2222	10.0	826

Table 275. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Selief Bay, statistical area A010, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	4	1	-	5	20.8	133	14.8	5	208	4.1	5
	5	3	6	-	9	37.5	151	22.9	9	215	7.6	9
4/25- 5/ 1	6	-	1	-	1	4.2	171	-	1	218	-	1
	7	1	-	-	1	4.2	209	-	1	235	-	1
	8	4	3	-	7	29.2	203	19.1	7	235	5.5	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	4.2	233	-	1	247	-	1
Period total		12	12	-	24	100.0	169	36.5	24	222	13.3	24

Table 276. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Selief Bay, statistical area A010, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	1	1	-	2	10.5	136	17.7	2	216	7.1	2
	5	1	6	-	7	36.8	171	34.6	7	221	11.9	7
4/25- 5/ 1	6	1	2	-	3	15.8	167	28.5	3	226	5.0	3
	7	2	1	-	3	15.8	183	14.0	3	230	13.8	3
	8	3	-	-	3	15.8	209	6.5	3	236	2.5	3
	9	1	-	-	1	5.3	169	-	1	219	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		9	10	-	19	100.0	174	30.4	19	225	10.8	19

Table 277. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Raspberry Straits, statistical area A010, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	1	1	-	2	2.7	100	14.1	2	207	19.1	
	5	4	15	-	19	25.7	159	37.2	9	227	13.4	
4/18- 4/24	6	6	12	-	18	24.3	189	28.4	6	231	10.9	
	7	2	3	-	5	6.8	197	32.1	3	249	9.2	
	8	9	12	-	21	28.4	209	11.5	14	246	6.3	
	9	4	5	-	9	12.2	233	15.4	6	252	4.5	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		26	48	-	74	100.0	192	39.6	40	237	14.6	74

Table 278. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	15	10	-	25	12.6	109	21.6	25	200	9.0	
	4	16	18	-	34	17.2	133	23.3	34	213	9.1	
	5	46	37	-	83	41.9	150	19.3	82	221	9.3	
4/25- 5/ 1	6	2	8	-	10	5.1	165	23.0	10	226	7.0	
	7	3	8	-	11	5.6	190	21.1	11	236	9.5	
	8	17	13	-	30	15.2	189	20.2	30	237	8.8	
	9	3	2	-	5	2.5	201	16.6	5	241	6.5	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		102	96	-	198	100.0	152	32.9	197	221	14.3	198

Table 279. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Malina Bay, statistical area A020, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	1	2	-	3	18.8	-	-	226	2.9	3
4/18- 4/24	5	2	1	-	3	18.8	-	-	235	3.5	3
	6	-	3	-	3	18.8	-	-	234	7.6	3
	7	1	2	-	3	18.8	-	-	241	9.5	3
	8	-	4	-	4	25.0	-	-	245	2.9	4
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		4	12	-	16	100.0	-	-	237	8.5	16
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	1	1	-	2	5.7	-	-	213	1.4	2
4/25- 5/ 1	5	3	18	-	21	60.0	-	-	227	7.3	21
	6	1	6	-	7	20.0	-	-	233	6.4	7
	7	2	1	-	3	8.6	-	-	240	11.6	3
	8	-	-	-	-	-	-	-	-	-	-
	9	1	1	-	2	5.7	-	-	240	10.6	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		8	27	-	35	100.0	-	-	229	9.5	35
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	2	3	-	5	9.8	-	-	221	7.3	5
All periods	5	5	19	-	24	47.1	-	-	228	7.5	24
	6	1	9	-	10	19.6	-	-	233	6.4	10
	7	3	3	-	6	11.8	-	-	241	9.5	6
	8	-	4	-	4	7.8	-	-	245	2.9	4
	9	1	1	-	2	3.9	-	-	240	10.6	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Total		12	39	-	51	100.0	-	-	231	9.8	51

Table 280. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Paramanof Bay, statistical area A031, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length	
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured
4/25- 5/ 1	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	2	2	-	4	4.7	116	-	1	201	6.6
	4	7	8	-	15	17.4	124	11.2	5	212	9.0
	5	11	13	-	24	27.9	149	3.3	6	223	9.1
	6	5	7	-	12	14.0	154	19.6	4	227	6.6
	7	2	3	-	5	5.8	171	19.8	2	234	4.8
	8	15	8	-	23	26.7	203	27.3	13	243	10.2
	9	-	1	-	1	1.2	250	-	1	255	-
	10	-	1	-	1	1.2	-	-	-	257	-
	11+	1	-	-	1	1.2	-	-	-	250	-
Period total		43	43	-	86	100.0	171	39.5	32	228	15.7
5/ 2- 5/ 8	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	6	14	-	20	24.1	107	9.1	13	201	5.8
	4	8	6	-	14	16.9	127	21.2	4	214	10.7
	5	12	10	-	22	26.5	150	18.2	8	222	8.1
	6	3	1	-	4	4.8	-	-	-	237	6.2
	7	1	2	-	3	3.6	-	-	-	245	5.5
	8	3	17	-	20	24.1	208	43.1	6	250	9.9
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		33	50	-	83	100.0	140	43.7	31	224	20.0
All periods	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	8	16	-	24	14.2	108	9.1	14	201	5.8
	4	15	14	-	29	17.2	125	15.3	9	213	9.7
	5	23	23	-	46	27.2	150	13.5	14	222	8.5
	6	8	8	-	16	9.5	154	19.6	4	230	7.6
	7	3	5	-	8	4.7	171	19.8	2	238	7.1
	8	18	25	-	43	25.4	204	31.9	19	246	10.5
	9	-	1	-	1	.6	250	-	1	255	-
	10	-	1	-	1	.6	-	-	-	257	-
	11+	1	-	-	1	.6	-	-	-	250	-
Total		76	93	-	169	100.0	156	44.1	63	226	18.0

Table 281. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/25- 5/ 1	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	1	-	3	7.7	147	5.7	3	220	11.5	3
	5	3	7	-	10	25.6	177	29.4	10	230	12.8	10
	6	1	1	-	2	5.1	194	18.4	2	239	10.6	2
	7	6	-	-	6	15.4	194	16.4	6	242	5.2	6
	8	11	6	-	17	43.6	206	28.8	17	244	9.2	17
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	2.6	270	-	1	255	-	1
Period total		23	16	-	39	100.0	193	32.6	39	238	12.4	39
5/30- 6/ 5	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	9	-	17	35.4	146	35.2	17	211	16.7	17
	4	2	2	-	4	8.3	160	22.4	4	223	5.6	4
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	1	-	1	2.1	172	-	1	240	-	1
	7	-	1	-	1	2.1	144	-	1	208	-	1
	8	9	11	-	20	41.7	213	29.8	20	245	10.1	20
	9	1	1	-	2	4.2	228	44.5	2	247	4.2	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	2	1	-	3	6.3	229	11.5	3	261	5.5	3
Period total		22	26	-	48	100.0	184	45.1	48	231	21.4	48
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	8	9	-	17	19.5	146	35.2	17	211	16.7	17
	4	4	3	-	7	8.0	154	17.6	7	222	7.9	7
	5	3	7	-	10	11.5	177	29.4	10	230	12.8	10
	6	1	2	-	3	3.4	187	18.2	3	239	7.5	3
	7	6	1	-	7	8.0	187	24.0	7	237	13.8	7
	8	20	17	-	37	42.5	209	29.1	37	244	9.6	37
	9	1	1	-	2	2.3	228	44.5	2	247	4.2	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	2	2	-	4	4.6	239	22.6	4	260	5.5	4
Total		45	42	-	87	100.0	188	40.0	87	234	18.2	87

Table 282. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Paramanof Bay, statistical area A031, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	3	1	-	4	17.4	135	18.1	4	215	10.1	4
	5	1	1	-	2	8.7	165	28.3	2	227	16.3	2
4/25- 5/ 1	6	1	3	-	4	17.4	189	12.5	4	238	3.7	4
	7	1	1	-	2	8.7	236	10.6	2	250	2.8	2
	8	9	-	-	9	39.1	203	21.7	9	242	5.1	9
	9	1	1	-	2	8.7	234	29.0	2	251	9.9	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		16	7	-	23	100.0	191	36.9	23	237	13.6	23

Table 283. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Perenosa Bay, statistical area A070, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	2.0	98	55.9	2	179	30.1	3
	3	21	18	-	39	25.7	116	20.7	26	202	10.3	39
	4	17	19	-	36	23.7	139	28.4	27	214	11.2	36
	5	18	18	-	36	23.7	171	27.3	25	225	9.4	36
5/ 2- 5/ 8	6	4	3	-	7	4.6	186	30.9	6	235	12.9	7
	7	8	2	-	10	6.6	215	19.9	6	240	8.3	10
	8	9	8	-	17	11.2	217	28.7	12	240	8.0	17
	9	2	2	-	4	2.6	240	36.6	3	248	6.7	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		82	70	-	152	100.0	159	46.1	107	219	18.5	152

Table 284. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Pauls Bay, statistical area A070, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
5/30- 6/ 5	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	10.0	-	-	203	-	1
	4	-	-	-	-	-	-	-	-	-	-
	5	1	2	-	3	30.0	-	-	221	5.1	3
	6	1	2	-	3	30.0	-	-	225	4.5	3
	7	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	10.0	-	-	238	-	1
	9	-	1	-	1	10.0	-	-	254	-	1
	10	-	1	-	1	10.0	-	-	251	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		2	8	-	10	100.0	-	-	228	15.6	10
6/ 6- 6/12	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	7	11	-	18	24.7	-	-	204	8.1	18
	4	6	9	-	15	20.5	-	-	204	12.0	15
	5	11	12	-	23	31.5	-	-	216	9.6	23
	6	3	5	-	8	11.0	-	-	222	16.2	8
	7	1	2	-	3	4.1	-	-	233	18.5	3
	8	-	-	-	-	-	-	-	-	-	-
	9	-	5	-	5	6.8	-	-	252	6.9	5
	10	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.4	-	-	260	-	1
Period total		29	44	-	73	100.0	-	-	215	17.6	73
6/20- 6/26	1	-	-	-	-	-	-	-	-	-	-
	2	2	2	-	4	7.5	-	-	161	11.0	4
	3	9	7	-	16	30.2	-	-	203	8.5	16
	4	4	5	-	9	17.0	-	-	208	5.9	9
	5	6	12	-	18	34.0	-	-	222	13.0	18
	6	-	2	-	2	3.8	-	-	226	9.9	2
	7	-	-	-	-	-	-	-	-	-	-
	8	1	1	-	2	3.8	-	-	258	14.8	2
	9	-	2	-	2	3.8	-	-	250	6.4	2
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		22	31	-	53	100.0	-	-	212	22.4	53
7/ 4- 7/10	1	-	-	-	-	-	-	-	-	-	-
	2	3	1	-	4	8.2	-	-	172	11.1	4
	3	5	6	-	11	22.4	-	-	202	13.7	11
	4	7	4	-	11	22.4	-	-	211	12.2	11
	5	7	10	-	17	34.7	-	-	215	11.2	17
	6	-	3	-	3	6.1	-	-	218	17.1	3
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	4.1	-	-	245	12.0	2
	10	-	1	-	1	2.0	-	-	245	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		22	27	-	49	100.0	-	-	210	19.0	49

-Continued-

Table 284. (page 2 of 2)

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	3	5	-	8	16.0	-	-	172	7.0	8
	3	5	8	-	13	26.0	-	-	197	15.3	13
	4	2	7	-	9	18.0	-	-	213	10.9	9
7/11- 7/17	5	4	10	-	14	28.0	-	-	221	13.1	14
	6	-	3	-	3	6.0	-	-	226	2.3	3
	7	1	-	-	1	2.0	-	-	230	-	1
	8	-	1	-	1	2.0	-	-	236	-	1
	9	-	1	-	1	2.0	-	-	270	-	1
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		15	35	-	50	100.0	-	-	207	23.5	50
	1	-	-	-	-	-	-	-	-	-	-
	2	8	8	-	16	6.8	-	-	169	9.8	16
	3	26	33	-	59	25.1	-	-	202	11.2	59
	4	19	25	-	44	18.7	-	-	208	11.0	44
	5	29	46	-	75	31.9	-	-	219	11.6	75
All periods	6	4	15	-	19	8.1	-	-	223	12.3	19
	7	2	2	-	4	1.7	-	-	232	15.2	4
	8	1	3	-	4	1.7	-	-	247	14.6	4
	9	-	11	-	11	4.7	-	-	252	9.1	11
	10	-	2	-	2	.9	-	-	248	4.2	2
	11+	1	-	-	1	.4	-	-	260	-	1
Total		90	145	-	235	100.0	-	-	212	20.7	235

Table 285. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roo fishery in Ruth Bay, statistical area A030, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gms)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	17	14	-	31	41.3	1925	173.11	310	2170	6.38	31
	4	13	8	-	21	28.0	2511	119.77	210	2231	7.16	21
	5	13	5	-	18	24.0	1778	222.44	110	2269	26.00	18
4/25- 5/ 1	6	1	-	-	1	1.3	2220	-	1	2431	-	1
	7	1	1	-	2	2.7	2239	373.99	2	2536	12.00	2
	8	2	-	-	2	2.7	2716	114.38	2	2557	2.11	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		47	28	-	75	100.0	1532	323.44	750	2200	17.15	75

Table 286. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Kitoi Bay, statistical area A091, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured		
4/25- 5/ 1	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	5.0	55	-	1	163	-	1
	3	4	2	-	6	30.0	122	19.3	6	204	7.5	6
	4	1	1	-	2	10.0	146	12.0	2	214	10.6	2
	5	4	3	-	7	35.0	193	19.5	7	236	10.1	7
	6	1	-	-	1	5.0	220	-	1	236	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	10.0	199	128.0	2	231	36.8	2
	10	1	-	-	1	5.0	197	-	1	240	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		12	8	-	20	100.0	162	54.5	20	220	22.8	20
5/ 2- 5/ 8	1	-	-	-	-	-	-	-	-	-	-	-
	2	16	-	-	16	21.1	63	6.7	16	173	4.9	16
	3	14	6	-	20	26.3	124	11.1	20	211	5.3	20
	4	2	4	-	6	7.9	147	24.8	6	225	11.3	6
	5	8	12	-	20	26.3	183	21.9	20	236	9.5	20
	6	4	-	-	4	5.3	188	31.8	4	241	12.1	4
	7	4	-	-	4	5.3	200	.6	4	248	2.9	4
	8	-	6	-	6	7.9	255	18.8	6	260	8.5	6
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		48	28	-	76	100.0	146	58.5	76	218	28.3	76
5/ 9- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	19	1	-	20	18.9	59	5.3	20	165	7.8	20
	3	25	19	-	44	41.5	126	21.3	44	202	11.4	44
	4	9	8	-	17	16.0	151	30.8	17	215	12.8	17
	5	7	10	-	17	16.0	190	30.2	17	228	9.0	17
	6	-	1	-	1	.9	225	-	1	232	-	1
	7	-	1	-	1	.9	250	-	1	264	-	1
	8	3	3	-	6	5.7	235	18.2	6	245	8.8	6
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		63	43	-	106	100.0	136	54.1	106	205	25.5	106
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	36	1	-	37	18.3	60	6.2	37	168	7.8	37
	3	43	27	-	70	34.7	125	18.6	70	205	10.4	70
	4	12	13	-	25	12.4	150	27.8	25	217	12.6	25
	5	19	25	-	44	21.8	187	24.9	44	233	10.0	44
	6	5	1	-	6	3.0	199	30.6	6	238	10.1	6
	7	4	1	-	5	2.5	210	22.6	5	251	7.8	5
	8	3	9	-	12	5.9	245	20.4	12	253	11.4	12
	9	-	2	-	2	1.0	199	128.0	2	231	36.8	2
	10	1	-	-	1	.5	197	-	1	240	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		123	79	-	202	100.0	142	56.2	202	211	27.1	202

Table 287. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in McDonalds Lagoon, statistical area A092, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	16	11	-	27	35.5	125	23.5	27	208	9.4	27
	4	10	10	-	20	26.3	158	18.4	20	222	9.5	20
	5	11	8	-	19	25.0	173	24.8	19	226	9.5	19
4/25- 5/ 1	6	2	1	-	3	3.9	172	38.4	3	235	5.0	3
	7	1	1	-	2	2.6	228	36.1	2	246	7.8	2
	8	2	3	-	5	6.6	222	45.3	5	247	3.0	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		42	34	-	76	100.0	157	38.1	76	221	14.8	76

Table 288. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Danger Bay, statistical area A100, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	.8	140	-	1	198	-	
	3	11	11	-	22	16.7	138	9.7	3	205	12.0	
	4	16	18	-	34	25.8	161	17.3	15	218	8.5	
	5	23	12	-	35	26.5	175	21.2	17	228	10.9	
4/18- 4/24	6	3	3	-	6	4.5	204	15.7	5	243	6.3	
	7	9	3	-	12	9.1	211	30.5	10	245	8.6	
	8	13	5	-	18	13.6	213	35.8	14	246	10.8	
	9	2	1	-	3	2.3	216	51.3	3	248	14.6	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	1	-	1	.8	307	-	1	263	-	
Period total		78	54	-	132	100.0	189	38.0	69	227	18.0	132

Table 289. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uganik District, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	27	36	-	63	33.3	113	14.9	53	200	7.1	63
	4	17	20	-	37	19.6	128	15.1	31	210	6.7	37
	5	26	40	-	66	34.9	153	17.3	47	221	7.6	66
	6	2	9	-	11	5.8	165	15.8	9	228	8.2	11
	7	2	3	-	5	2.6	197	17.8	5	239	2.3	5
	8	3	3	-	6	3.2	217	.6	4	244	5.0	6
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.5	267	-	1	261	-	1
Period total		77	112	-	189	100.0	138	31.5	150	214	14.5	189
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	18	26	-	44	55.7	-	-	-	190	9.5	44
	4	5	8	-	13	16.5	-	-	-	203	8.6	13
	5	12	7	-	19	24.1	-	-	-	213	7.7	19
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	1.3	-	-	-	226	-	1
	8	1	-	-	1	1.3	-	-	-	234	-	1
	9	1	-	-	1	1.3	-	-	-	231	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	41	-	79	100.0	-	-	-	199	14.3	79
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	1	1	.4	51	-	1	154	-	1
	3	113	72	2	187	74.2	108	16.9	42	196	7.2	187
	4	7	11	-	18	7.1	141	13.7	3	210	7.1	18
	5	9	12	-	21	8.3	149	29.7	2	218	10.9	21
	6	3	12	-	15	6.0	204	-	1	229	9.2	15
	7	1	1	-	2	.8	-	-	-	236	15.6	2
	8	-	4	-	4	1.6	-	-	-	240	6.1	4
	9	-	3	-	3	1.2	-	-	-	236	7.5	3
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.4	-	-	-	242	-	1
Period total		133	116	3	252	100.0	112	25.4	49	202	14.5	252
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	1	1	.2	51	-	1	154	-	1
	3	158	134	2	294	56.5	111	15.9	95	196	8.0	294
	4	29	39	-	68	13.1	129	15.2	34	209	7.5	68
	5	47	59	-	106	20.4	153	17.5	49	219	9.0	106
	6	5	21	-	26	5.0	169	19.4	10	228	8.6	26
	7	4	4	-	8	1.5	197	17.8	5	236	7.5	8
	8	4	7	-	11	2.1	217	.6	4	241	5.7	11
	9	1	3	-	4	.8	-	-	-	235	6.6	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	2	-	2	.4	267	-	1	252	13.4	2
Total		248	269	3	520	100.0	132	32.1	199	206	15.6	520

Table 290. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Viékoda Bay, statistical area UG20, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	11	-	17	18.1	103	8.9	7	199	7.5	17
	4	9	11	-	20	21.3	124	17.6	14	209	6.3	20
	5	16	28	-	44	46.8	151	17.2	25	221	7.5	44
5/ 9- 5/15	6	1	5	-	6	6.4	165	18.3	4	230	10.1	6
	7	1	2	-	3	3.2	189	1.5	3	238	2.5	3
	8	2	2	-	4	4.3	217	.7	2	244	6.2	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		35	59	-	94	100.0	143	30.3	55	216	13.6	94

Table 291. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Terror Bay, statistical area UG21, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/ 2- 5/ 8	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	11	9	1	21	28.0	112	21.6	16	195	8.0	21
	4	2	4	-	6	8.0	127	7.0	5	201	9.0	6
	5	13	14	-	27	36.0	153	13.5	12	217	9.5	27
	6	1	3	-	4	5.3	190	41.7	2	226	6.2	4
	7	-	3	-	3	4.0	234	-	1	234	8.5	3
	8	5	8	-	13	17.3	200	-	1	244	8.6	13
	9	-	1	-	1	1.3	-	-	-	255	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		32	42	1	75	100.0	137	34.7	37	216	19.6	75
5/ 9- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	9	18	-	27	77.1	-	-	-	203	11.2	27
	4	-	1	-	1	2.9	-	-	-	206	-	1
	5	2	2	-	4	11.4	-	-	-	218	11.6	4
	6	-	1	-	1	2.9	-	-	-	236	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	5.7	-	-	-	238	2.1	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		11	24	-	35	100.0	-	-	-	207	14.7	35
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	20	27	1	48	43.6	112	21.6	16	199	10.5	48
	4	2	5	-	7	6.4	127	7.0	5	202	8.5	7
	5	15	16	-	31	28.2	153	13.5	12	217	9.6	31
	6	1	4	-	5	4.5	190	41.7	2	228	7.2	5
	7	-	3	-	3	2.7	234	-	1	234	8.5	3
	8	5	10	-	15	13.6	200	-	1	243	8.2	15
	9	-	1	-	1	.9	-	-	-	255	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		43	66	1	110	100.0	137	34.7	37	213	18.5	110

Table 292. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Village Islands, statistical area UG30, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev. Number Weighed	Mean (mm)	Std. Dev. Number Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	13	16	-	29	72.5	117	14.4	29	199	6.0	29
	4	2	5	-	7	17.5	131	7.6	7	208	5.3	7
	5	1	1	-	2	5.0	156	16.3	2	217	2.8	2
5/ 9- 5/15	6	-	2	-	2	5.0	176	5.7	2	228	.7	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		16	24	-	40	100.0	124	20.1	40	203	9.4	40

Table 293. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in W. Uganik Passage, statistical area UG31, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	20	7	1	28	54.9	-	196	6.8	28	
	4	3	4	-	7	13.7	-	208	5.4	7	
5/30- 6/ 5	5	2	4	-	6	11.8	-	220	12.2	6	
	6	1	6	-	7	13.7	-	228	10.8	7	
	7	-	1	-	1	2.0	-	247	-	1	
	8	-	1	-	1	2.0	-	235	-	1	
	9	-	1	-	1	2.0	-	236	-	1	
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		26	24	1	51	100.0	-	207	16.6	51	

Table 294. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in E. Arm Uganik Bay, statistical area UG33, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	1	1	1.0	51	-	1	154	-	1
	3	49	36	1	86	88.7	108	16.9	42	195	7.3	86
	4	2	4	-	6	6.2	141	13.7	3	209	4.7	6
	5	1	2	-	3	3.1	149	29.7	2	217	7.0	3
5/30- 6/ 5	6	-	1	-	1	1.0	204	-	1	238	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		52	43	2	97	100.0	112	25.4	49	197	10.5	97

Table 295. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in S. Arm Uganik Bay, statistical area UG34, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 2- 5/ 8	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	8	9	-	17	30.9	110	16.0	17	201	8.5	17	
	4	6	4	-	10	18.2	133	14.5	10	213	7.9	10	
	5	9	11	-	20	36.4	155	17.9	20	224	8.1	20	
	6	1	2	-	3	5.5	158	17.0	3	226	7.6	3	
	7	1	1	-	2	3.6	209	28.3	2	239	2.8	2	
	8	1	1	-	2	3.6	217	.7	2	243	2.8	2	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.8	267	-	1	261	-	1	-
Period total		26	29	-	55	100.0	144	36.3	55	217	15.4	55	
5/16- 5/22	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	18	26	-	44	55.7	-	-	-	190	9.5	44	
	4	5	8	-	13	16.5	-	-	-	203	8.6	13	
	5	12	7	-	19	24.1	-	-	-	213	7.7	19	
	6	-	-	-	-	-	-	-	-	-	-	-	
	7	1	-	-	1	1.3	-	-	-	226	-	1	
	8	1	-	-	1	1.3	-	-	-	234	-	1	
	9	1	-	-	1	1.3	-	-	-	231	-	1	
	10	-	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	-	
Period total		38	41	-	79	100.0	-	-	-	199	14.3	79	
5/30- 6/ 5	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	44	29	-	73	70.2	-	-	-	198	7.0	73	
	4	2	3	-	5	4.8	-	-	-	214	10.9	5	
	5	6	6	-	12	11.5	-	-	-	217	11.5	12	
	6	2	5	-	7	6.7	-	-	-	228	8.1	7	
	7	1	-	-	1	1.0	-	-	-	225	-	1	
	8	-	3	-	3	2.9	-	-	-	241	6.4	3	
	9	-	2	-	2	1.9	-	-	-	236	10.6	2	
	10	-	-	-	-	-	-	-	-	-	-	-	
	11+	-	1	-	1	1.0	-	-	-	242	-	1	
Period total		55	49	-	104	100.0	-	-	-	205	15.0	104	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	70	64	-	134	56.3	110	16.0	17	196	9.0	134	
	4	13	15	-	28	11.8	133	14.5	10	208	9.8	28	
	5	27	24	-	51	21.4	155	17.9	20	218	10.0	51	
	6	3	7	-	10	4.2	158	17.0	3	227	7.6	10	
	7	3	1	-	4	1.7	209	28.3	2	232	8.0	4	
	8	2	4	-	6	2.5	217	.7	2	241	5.4	6	
	9	1	2	-	3	1.3	-	-	-	234	7.9	3	
	10	-	-	-	-	-	-	-	-	-	-	-	
	11+	-	2	-	2	.8	267	-	1	252	13.4	2	
Total		119	119	-	238	100.0	144	36.3	55	206	16.2	238	

Table 296. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Uyak District, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	2	44	47	9.3	44	10.4	40	150	8.7	47
	3	186	169	8	363	72.2	101	15.0	269	189	8.6	363
	4	16	24	-	40	8.0	123	20.4	34	202	11.0	40
	5	21	26	-	47	9.3	148	23.3	45	213	10.7	47
	6	2	1	-	3	.6	177	27.0	3	233	12.0	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	2	1	-	3	.6	168	10.3	3	228	5.3	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		228	223	52	503	100.0	103	31.1	394	189	17.7	503
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	3	9	15	5.5	50	8.7	7	155	7.9	15
	3	117	89	-	206	75.2	92	17.5	100	185	8.7	206
	4	8	7	-	16	5.8	113	19.3	5	199	11.4	16
	5	19	13	-	32	11.7	136	25.6	8	210	9.3	32
	6	1	2	-	3	1.1	-	-	-	223	4.6	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	1	-	2	.7	158	-	1	222	2.1	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		149	115	9	274	100.0	94	24.3	121	188	15.0	274
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	5	53	62	8.0	44	10.3	47	151	8.8	62
	3	303	258	8	569	73.2	98	16.2	369	188	8.8	569
	4	24	31	-	56	7.2	122	20.3	39	201	11.1	56
	5	40	39	-	79	10.2	146	23.7	53	212	10.2	79
	6	3	3	-	6	.8	177	27.0	3	228	9.7	6
	7	-	-	-	-	-	-	-	-	-	-	-
	8	3	2	-	5	.6	166	9.8	4	225	5.3	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		377	338	61	777	100.0	101	29.9	515	189	16.8	777

Table 297. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Inner Uyak Bay, statistical area UY30, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	2	3	1.4	42	10.0	3	154	9.6	3
	3	40	32	1	73	34.0	82	13.1	72	181	10.5	73
	4	50	62	-	112	52.1	127	17.5	111	207	6.9	112
	5	4	4	-	8	3.7	143	25.0	8	216	9.7	8
5/ 1- 5/ 7	6	9	5	-	14	6.5	158	22.5	14	218	4.8	14
	7	-	3	-	3	1.4	192	10.1	3	231	9.7	3
	8	1	-	-	1	.5	170	-	1	234	-	1
	9	-	1	-	1	.5	248	-	1	240	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		105	107	3	215	100.0	115	33.5	213	199	17.5	215

Table 298. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	9	9	2.5	33	.7	2	147	6.9	9
	3	137	123	2	262	73.4	103	14.7	168	189	8.3	262
	4	14	20	-	34	9.5	127	20.1	28	204	10.4	34
	5	21	25	-	46	12.9	148	23.5	44	213	10.8	46
5/ 9- 5/15	6	2	1	-	3	.8	177	27.0	3	233	12.0	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	2	1	-	3	.8	168	10.3	3	228	5.3	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		176	170	11	357	100.0	115	27.1	248	194	15.1	357

Table 299. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 9- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	1	35	36	51.4	43	6.5	36	150	7.9	36
	3	16	12	6	34	48.6	86	16.9	34	181	11.1	34
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		16	13	41	70	100.0	64	25.2	70	165	18.5	70

Table 300. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	-	2	2.6	71	31.8	2	164	21.9	2
	3	33	34	-	67	88.2	102	10.3	67	191	6.2	67
	4	2	4	-	6	7.9	108	15.0	6	192	7.9	6
5/ 9- 5/15	5	-	1	-	1	1.3	144	-	1	206	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	40	-	76	100.0	103	13.2	76	191	8.2	76

Table 301. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the General District, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	6	-	12	26.1	-	-	-	195	6.8	12
	4	5	5	-	10	21.7	-	-	-	210	8.0	10
	5	14	7	-	21	45.7	-	-	-	221	8.8	21
	6	1	-	-	1	2.2	-	-	-	208	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	4.3	-	-	-	229	9.2	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		26	20	-	46	100.0	-	-	-	212	13.7	46
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.9	55	-	1	170	-	1
	3	35	36	-	71	65.7	121	21.3	71	204	6.3	71
	4	9	12	-	21	19.4	133	24.2	21	217	10.1	21
	5	6	7	-	13	12.0	159	37.6	13	233	7.9	13
	6	2	-	-	2	1.9	146	43.1	2	231	4.2	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		53	55	-	108	100.0	128	28.2	108	210	13.1	108
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	12	1	-	13	3.6	55	7.6	12	165	9.4	13
	3	151	128	-	279	77.9	114	13.4	193	200	7.3	279
	4	19	19	-	38	10.6	144	18.8	32	214	8.0	38
	5	10	9	-	19	5.3	181	27.5	12	230	7.4	19
	6	3	3	-	6	1.7	199	14.7	4	233	10.1	6
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	1	-	2	.6	219	33.2	2	238	8.5	2
	9	-	1	-	1	.3	229	-	1	271	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		196	162	-	358	100.0	120	30.2	256	203	14.2	358
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	13	1	-	14	2.7	55	7.3	13	165	9.1	14
	3	192	170	-	362	70.7	116	16.2	264	201	7.4	362
	4	33	36	-	69	13.5	140	21.6	53	214	8.8	69
	5	30	23	-	53	10.4	169	34.2	25	227	9.5	53
	6	6	3	-	9	1.8	181	35.5	6	229	11.4	9
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	3	-	4	.8	219	33.2	2	233	9.1	4
	9	-	1	-	1	.2	229	-	1	271	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		275	237	-	512	100.0	123	29.8	364	205	14.3	512

Table 302. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Ameer Bay, statistical area G022, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	1	-	1	.6	-	-	-	189	-	1
	3	75	76	-	151	86.8	120	12.2	65	203	6.9	151
	4	5	2	-	7	4.0	117	4.2	2	214	7.3	7
	5	6	5	-	11	6.3	180	21.3	4	230	6.6	11
5/16- 5/22	6	2	1	-	3	1.7	212	-	1	229	14.2	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	1	.6	195	-	1	244	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		89	85	-	174	100.0	125	22.7	73	206	10.7	174

Table 303. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Anee Bay, statistical area G022, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	13	35	-	48	51.6	-	-	204	5.3	48
	4	6	6	-	12	12.9	-	-	212	10.2	12
	5	13	5	-	18	19.4	-	-	222	11.2	18
5/16- 5/22	6	9	3	-	12	12.9	-	-	225	13.2	12
	7	1	-	-	1	1.1	-	-	240	-	1
	8	1	1	-	2	2.2	-	-	238	9.9	2
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		43	50	-	93	100.0	-	-	212	13.2	93

Table 304. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Ugak Bay, statistical areas G050-51, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 8- 5/14	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	20	22	-	42	40.0	108	9.2	18	200	7.3	42	
	4	27	30	-	57	54.3	139	12.5	32	218	6.8	57	
	5	1	3	-	4	3.8	155	18.2	4	224	5.7	4	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	2	-	2	1.9	227	25.5	2	253	9.2	2	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		48	57	-	105	100.0	134	26.9	56	212	12.8	105	
5/15- 5/21	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	16	13	-	29	52.7	103	10.4	29	199	6.7	29	
	4	17	8	-	25	45.5	140	18.7	24	217	8.9	25	
	5	1	-	-	1	1.8	134	-	1	213	-	1	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		34	21	-	55	100.0	120	23.5	54	207	11.7	55	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	36	35	-	71	44.4	105	10.2	47	200	7.0	71	
	4	44	38	-	82	51.3	140	15.3	56	218	7.5	82	
	5	2	3	-	5	3.1	151	18.4	5	222	6.9	5	
	6	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	2	-	2	1.3	227	25.5	2	253	9.2	2	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		82	78	-	160	100.0	127	26.1	110	210	12.6	160	

Table 305. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Womens Bay, statistical area 0160, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (mm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.9	143	-	1	214	-
	4	2	5	-	7	13.5	176	24.4	7	229	12.3
	5	8	9	-	17	32.7	189	22.6	17	236	16.4
5/16- 5/22	6	18	9	-	27	51.9	198	23.6	27	243	7.9
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		29	23	-	52	100.0	193	24.3	52	240	12.9

Table 306. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roe fishery in Womens Bay, statistical area G060, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	3	4	-	7	36.8	161	10.7	7	227	5.0
	5	7	3	-	10	52.6	189	19.2	10	240	7.2
4/25- 5/ 1	6	2	-	-	2	10.5	224	16.3	2	247	6.4
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		12	7	-	19	100.0	183	24.9	19	236	9.3

Table 307. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	9	6	-	15	24.6	132	10.1	15	212	4.5	15
	4	3	3	-	6	9.8	151	13.5	6	223	4.8	6
5/16- 5/22	5	17	14	-	31	50.8	172	19.2	31	233	7.5	31
	6	9	-	-	9	14.8	178	17.0	9	234	4.1	9
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	23	-	61	100.0	161	24.3	61	227	10.8	61

Table 308. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kizhuyak Bay, statistical area G090, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
4/18- 4/24	1	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	
	3	3	-	-	3	30.0	-	196	4.7	3
	4	-	1	-	1	10.0	-	211	-	1
	5	2	3	-	5	50.0	-	225	9.3	5
	6	1	-	-	1	10.0	-	208	-	1
	7	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		6	4	-	10	100.0	-	213	14.8	10
4/25- 5/ 1	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	3	6	-	9	25.0	-	194	7.5	9
	4	5	4	-	9	25.0	-	210	8.5	9
	5	12	4	-	16	44.4	-	219	8.4	16
	6	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	5.6	-	229	9.2	2
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		20	16	-	36	100.0	-	211	13.6	36
All periods	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	6	6	-	12	26.1	-	195	6.8	12
	4	5	5	-	10	21.7	-	210	8.0	10
	5	14	7	-	21	45.7	-	221	8.8	21
	6	1	-	-	1	2.2	-	208	-	1
	7	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	4.3	-	229	9.2	2
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Total		26	20	-	46	100.0	-	212	13.7	46

Table 309. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	13	-	16	16.5	140	13.2	9	203	5.3	16
	4	9	5	-	14	14.4	161	14.0	9	214	8.6	14
4/25- 5/ 1	5	20	22	-	42	43.3	187	18.5	24	221	7.9	42
	6	3	5	-	8	8.2	153	16.6	3	223	12.6	8
	7	7	2	-	9	9.3	200	-	1	231	10.5	9
	8	-	5	-	5	5.2	-	-	-	241	3.9	5
	9	1	1	-	2	2.1	231	-	1	225	7.8	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.0	-	-	-	250	-	1
Period total		44	53	-	97	100.0	172	26.4	47	219	12.7	97

Table 310. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kalsin Bay, statistical area G100, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 9- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.9	55	-	1	170	-	1
	3	35	36	-	71	65.7	121	21.3	71	204	6.3	71
	4	9	12	-	21	19.4	133	24.2	21	217	10.1	21
	5	6	7	-	13	12.0	159	37.6	13	233	7.9	13
	6	2	-	-	2	1.9	146	43.1	2	231	4.2	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		53	55	-	108	100.0	128	28.2	108	210	13.1	108
5/16- 5/22	1	-	-	-	-	-	-	-	-	-	-	-
	2	8	-	-	8	10.5	53	8.0	8	162	6.4	8
	3	21	14	-	35	46.1	113	14.3	35	198	5.8	35
	4	9	14	-	23	30.3	150	15.6	22	216	7.1	23
	5	4	3	-	7	9.2	176	30.2	7	227	7.6	7
	6	1	-	-	1	1.3	178	-	1	231	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	1.3	242	-	1	232	-	1
	9	-	1	-	1	1.3	229	-	1	271	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		43	33	-	76	100.0	127	40.7	75	204	20.5	76
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	9	-	-	9	4.9	53	7.5	9	162	6.6	9
	3	56	50	-	106	57.6	119	19.6	106	202	6.8	106
	4	18	26	-	44	23.9	142	21.7	43	216	8.5	44
	5	10	10	-	20	10.9	165	35.3	20	231	8.0	20
	6	3	-	-	3	1.6	156	35.8	3	231	3.0	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	1	-	1	.5	242	-	1	232	-	1
	9	-	1	-	1	.5	229	-	1	271	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		96	88	-	184	100.0	128	33.8	183	208	16.8	184

Table 311. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the sac-roe fishery in Kalsin Bay, statistical area G100, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	1	3	6.1	52	18.0	3	162	14.6	3
	3	23	12	-	35	71.4	101	13.1	35	200	7.3	35
	4	4	3	-	7	14.3	117	29.1	7	207	9.8	7
5/ 9- 5/15	5	2	1	-	3	6.1	161	10.1	3	234	2.6	3
	6	-	1	-	1	2.0	241	-	1	261	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		30	18	1	49	100.0	107	32.0	49	202	17.3	49

Table 312. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Alitak District, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	37	26	-	63	75.9	95	14.7	63	189	7.3	63
	4	5	2	-	7	8.4	108	17.5	7	197	7.7	7
	5	4	4	-	8	9.6	155	32.5	8	220	11.0	8
	6	3	-	-	3	3.6	124	7.1	3	212	7.0	3
	7	1	1	-	2	2.4	101	60.8	2	218	4.9	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		50	33	-	83	100.0	103	25.7	83	195	12.8	83
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	91	-	1	192	-	1
	3	116	79	-	195	62.3	96	15.1	194	189	10.6	195
	4	6	12	-	18	5.8	113	16.7	18	201	9.3	18
	5	5	10	-	15	4.8	141	17.8	15	214	7.3	15
	6	14	14	-	28	8.9	155	26.2	28	220	9.8	28
	7	9	9	-	18	5.8	191	32.0	18	229	11.0	18
	8	15	22	-	37	11.8	211	44.9	37	235	14.1	37
	9	1	-	-	1	.3	201	-	1	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		167	146	-	313	100.0	124	48.2	312	202	20.7	313
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.3	91	-	1	192	-	1
	3	153	105	-	258	65.2	95	15.0	257	189	9.9	258
	4	11	14	-	25	6.3	112	16.7	25	200	8.9	25
	5	9	14	-	23	5.8	146	24.2	23	216	9.1	23
	6	17	14	-	31	7.8	152	26.6	31	219	9.7	31
	7	10	10	-	20	5.1	182	43.4	20	228	11.1	20
	8	15	22	-	37	9.3	211	44.9	37	235	14.1	37
	9	1	-	-	1	.3	201	-	1	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		217	179	-	396	100.0	119	45.2	395	200	19.5	396

Table 313. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	1	-	5	8.6	125	6.0	5	196	6.6	5
	4	2	2	-	4	6.9	117	14.1	4	200	4.4	4
	5	16	14	1	31	53.4	137	11.3	31	210	6.4	31
5/ 2- 5/ 8	6	8	2	-	10	17.2	144	20.8	10	211	10.6	10
	7	2	2	-	4	6.9	163	19.3	4	224	5.2	4
	8	3	1	-	4	6.9	161	12.7	4	216	5.4	4
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		35	22	1	58	100.0	139	17.5	58	209	9.3	58

Table 314. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Deadman Bay, statistical area AL21, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	32	21	-	53	79.1	96	15.5	53	191	7.3	53
	4	3	-	-	3	4.5	114	17.5	3	201	4.9	3
	5	4	2	-	6	9.0	149	24.4	6	220	9.0	6
5/30- 6/ 5	6	3	-	-	3	4.5	124	7.1	3	212	7.0	3
	7	1	1	-	2	3.0	101	60.8	2	218	4.9	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		43	24	-	67	100.0	103	23.7	67	196	12.4	67

Table 315. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/16- 5/22	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	5	5	-	10	62.5	90	7.9	10	183	3.9	10
	4	2	2	-	4	25.0	104	18.7	4	194	8.2	4
	5	-	2	-	2	12.5	175	58.7	2	220	21.2	2
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		7	9	-	16	100.0	104	33.7	16	191	14.3	16
5/30- 6/ 5	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.6	91	-	1	192	-	1
	3	79	43	-	122	71.8	96	15.6	121	191	11.5	122
	4	6	11	-	17	10.0	115	16.2	17	202	8.8	17
	5	2	9	-	11	6.5	141	14.7	11	214	6.9	11
	6	10	7	-	17	10.0	156	20.0	17	222	10.7	17
	7	1	1	-	2	1.2	229	63.6	2	244	14.1	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		99	71	-	170	100.0	108	29.4	169	197	15.9	170
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.5	91	-	1	192	-	1
	3	84	48	-	132	71.0	96	15.3	131	190	11.3	132
	4	8	13	-	21	11.3	113	16.7	21	200	9.1	21
	5	2	11	-	13	7.0	146	25.0	13	215	9.1	13
	6	10	7	-	17	9.1	156	20.0	17	222	10.7	17
	7	1	1	-	2	1.1	229	63.6	2	244	14.1	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		106	80	-	186	100.0	108	29.7	185	197	15.8	186

Table 316. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
6/ 6- 6/12	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	12	15	-	27	81.8	93	17.1	27	182	6.8	27
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	3	-	-	3	9.1	117	32.4	3	210	3.1	3
	7	-	1	-	1	3.0	199	-	1	221	-	1
	8	2	-	-	2	6.1	160	5.7	2	211	.0	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		17	16	-	33	100.0	103	29.8	33	187	13.5	33
6/13- 6/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	25	21	-	46	41.8	96	12.2	46	190	7.9	46
	4	-	1	-	1	.9	91	-	1	186	-	1
	5	3	1	-	4	3.6	142	27.5	4	213	9.5	4
	6	1	7	-	8	7.3	166	26.2	8	219	6.8	8
	7	8	7	-	15	13.6	186	26.7	15	228	9.8	15
	8	13	22	-	35	31.8	214	44.4	35	237	13.2	35
	9	1	-	-	1	.9	201	-	1	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	59	-	110	100.0	153	60.3	110	213	23.5	110
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	37	36	-	73	51.0	95	14.2	73	187	8.4	73
	4	-	1	-	1	.7	91	-	1	186	-	1
	5	3	1	-	4	2.8	142	27.5	4	213	9.5	4
	6	4	7	-	11	7.7	152	34.7	11	217	7.4	11
	7	8	8	-	16	11.2	187	26.0	16	228	9.6	16
	8	15	22	-	37	25.9	211	44.9	37	235	14.1	37
	9	1	-	-	1	.7	201	-	1	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		68	75	-	143	100.0	142	58.7	143	207	24.3	143

Table 317. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	Number	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	-	-	2	5.4	132	7.1	2	199	3.5	2
	4	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	-	-	-	-	-	-	
6/ 6- 6/12	6	2	1	-	3	8.1	207	53.0	3	228	20.2	3
	7	3	7	-	10	27.0	206	45.2	10	232	11.2	10
	8	11	9	-	20	54.1	235	35.5	20	240	10.2	20
	9	2	-	-	2	5.4	208	67.9	2	233	23.3	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		20	17	-	37	100.0	218	45.6	37	234	14.7	37

Table 318. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Mainland District, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	5	2	-	7	1.6	120	-	1	190	14.6	7
	4	15	19	-	34	7.7	136	19.4	21	214	7.9	34
	5	118	122	-	240	54.3	163	24.1	133	224	9.5	240
5/ 1- 5/15	6	48	57	-	105	23.8	187	29.3	49	233	9.6	105
	7	18	15	-	33	7.5	217	45.2	18	245	10.9	33
	8	5	8	-	13	2.9	222	19.1	11	247	5.9	13
	9	5	5	-	10	2.3	185	25.1	5	251	10.3	10
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		214	228	-	442	100.0	172	34.6	238	227	13.7	442

Table 319. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Kashvick Bay, statistical area M050, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	1	-	3	2.0	-	-	-	195	11.5	3
	4	8	7	-	15	9.9	125	13.1	7	212	7.5	15
5/ 9- 5/15	5	38	52	-	90	59.2	162	21.1	44	225	9.2	90
	6	12	14	-	26	17.1	174	19.7	14	233	7.3	26
	7	2	2	-	4	2.6	218	31.8	2	244	5.0	4
	8	5	5	-	10	6.6	225	19.0	9	248	5.0	10
	9	2	2	-	4	2.6	202	-	1	258	5.9	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		69	83	-	152	100.0	170	32.3	77	227	13.5	152

Table 320. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Alinchak Bay, statistical area M070, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	1.0	120	-	1	210	-	1
	4	4	5	-	9	9.0	136	19.3	9	216	7.4	9
	5	29	26	-	55	55.0	161	22.8	55	226	8.2	55
5/ 9- 5/15	6	7	13	-	20	20.0	189	30.5	20	236	10.7	20
	7	5	5	-	10	10.0	224	53.7	10	248	15.0	10
	8	-	1	-	1	1.0	223	-	1	248	-	1
	9	3	1	-	4	4.0	181	26.9	4	245	11.6	4
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		49	51	-	100	100.0	171	36.7	100	230	13.0	100

4

Table 321. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Wide Bay, statistical area M110, 1982.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	1	-	3	1.6	-	-	177	5.5	3	
	4	3	7	-	10	5.3	152	18.9	5	214	8.9	
5/ 9- 5/15	5	51	44	-	95	50.0	167	29.4	34	222	10.2	
	6	29	30	-	59	31.1	196	32.6	15	232	10.1	
	7	11	8	-	19	10.0	205	36.1	6	243	9.2	
	8	-	2	-	2	1.1	196	-	1	238	4.2	
	9	-	2	-	2	1.1	-	-	-	249	10.6	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		96	94	-	190	100.0	177	33.8	61	226	14.1	190

Table 322. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Afognak District, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	6	-	-	8	1.5	-	-	-	172	6.6	8
	3	22	30	-	55	10.6	91	17.9	28	192	9.9	55
	4	99	78	2	192	37.0	120	25.4	101	209	11.1	192
	5	23	21	-	45	8.7	151	23.7	25	224	10.4	45
	6	33	34	-	67	12.9	168	29.4	44	234	10.2	67
	7	54	76	-	132	25.4	195	33.3	78	241	10.5	132
	8	1	11	-	12	2.3	163	16.2	5	239	14.4	12
	9	-	1	-	1	.2	-	-	-	269	-	1
	10	2	2	-	4	.8	232	118.9	3	271	14.7	4
	11+	3	-	-	3	.6	225	64.3	2	262	11.7	3
Period total		243	253	2	519	100.0	150	47.0	286	221	21.4	519
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	1	-	2	2.5	69	14.8	2	175	12.7	2
	3	9	7	-	16	20.3	97	12.1	16	191	6.7	16
	4	8	6	-	14	17.7	131	30.3	14	209	14.2	14
	5	3	3	-	6	7.6	148	26.3	6	218	10.1	6
	6	3	4	-	7	8.9	209	46.5	7	241	11.6	7
	7	10	21	-	31	39.2	213	31.9	30	243	9.7	31
	8	1	1	-	2	2.5	256	2.1	2	256	4.9	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	1.3	332	-	1	283	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		35	44	-	79	100.0	168	62.1	78	223	25.8	79
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	7	1	-	10	1.7	69	14.8	2	173	7.3	10
	3	31	37	-	71	11.9	93	16.1	44	192	9.3	71
	4	107	84	2	206	34.4	122	26.1	115	209	11.2	206
	5	26	24	-	51	8.5	151	23.8	31	223	10.4	51
	6	36	38	-	74	12.4	174	34.8	51	234	10.4	74
	7	64	97	-	163	27.3	200	33.8	108	241	10.4	163
	8	2	12	-	14	2.3	189	47.1	7	241	14.7	14
	9	-	1	-	1	.2	-	-	-	269	-	1
	10	2	3	-	5	.8	257	109.2	4	273	13.8	5
	11+	3	-	-	3	.5	225	64.3	2	262	11.7	3
Total		278	297	2	598	100.0	154	51.1	364	221	22.1	598

Table 323. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Raspberry St., statistical area A010, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	8	19	-	27	28.4	146	20.4	26	223	8.2	27
4/26- 5/ 2	5	6	8	-	14	14.7	156	18.7	14	226	7.0	14
	6	8	10	-	18	18.9	166	27.1	18	234	12.1	18
	7	12	19	-	31	32.6	180	22.7	31	237	9.4	31
	8	3	2	-	5	5.3	208	22.2	5	247	9.7	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	58	-	95	100.0	166	27.7	94	232	11.5	95

Table 324. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Malina Bay, statistical area A020, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean Total	Std. Number Dev.	Number Weighed	Mean (mm)	Std. Number Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	3	8	-	11	12.2	86	14.0	5	188	9.2	11
	4	29	26	-	55	61.1	127	19.9	29	208	8.4	55
	5	4	3	-	7	7.8	138	6.2	4	217	6.1	7
4/26- 5/ 2	6	4	2	-	6	6.7	180	29.3	4	232	13.0	6
	7	3	4	-	7	7.8	173	16.1	3	233	13.7	7
	8	-	2	-	2	2.2	-	-	-	225	35.4	2
	9	-	1	-	1	1.1	-	-	-	269	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.1	-	-	-	264	-	1
Period total		44	46	-	90	100.0	131	30.5	45	211	17.5	90

Table 325. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Malina Bay, statistical area A020, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	1.5	85	-	1	205	-	1
	4	2	10	-	12	17.9	138	15.1	12	218	9.4	12
	5	5	6	-	11	16.4	146	8.6	11	226	7.8	11
4/26- 5/ 2	6	8	4	-	12	17.9	160	18.0	12	235	5.3	12
	7	10	14	-	24	35.8	165	15.4	24	237	7.7	24
	8	4	3	-	7	10.4	180	28.6	7	243	14.1	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		30	37	-	67	100.0	156	22.6	67	231	12.0	67

Table 326. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Malina Bay, statistical area A020, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/12- 4/18	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	2	5	-	7	7.9	96	16.9	7	194	9.1	7
	4	12	9	-	21	23.6	124	16.9	21	205	7.1	21
	5	3	1	-	4	4.5	140	15.3	4	215	6.2	4
	6	7	5	-	12	13.5	174	26.5	12	226	11.7	12
	7	16	25	-	41	46.1	192	25.1	41	228	7.8	41
	8	1	2	-	3	3.4	214	31.6	3	247	8.5	3
	9	-	1	-	1	1.1	200	-	1	242	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		41	48	-	89	100.0	164	41.8	89	220	15.5	89
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	4.7	-	-	-	171	1.4	2
	3	-	3	-	3	7.0	-	-	-	196	1.0	3
	4	9	8	-	17	39.5	-	-	-	217	9.0	17
	5	3	4	-	7	16.3	-	-	-	225	8.2	7
	6	2	2	-	4	9.3	-	-	-	231	7.5	4
	7	6	1	-	7	16.3	-	-	-	247	15.8	7
	8	-	2	-	2	4.7	-	-	-	276	7.8	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	2.3	-	-	-	285	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		22	21	-	43	100.0	-	-	-	225	24.5	43
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	1.5	-	-	-	171	1.4	2
	3	2	8	-	10	7.6	96	16.9	7	195	7.5	10
	4	21	17	-	38	28.8	124	16.9	21	210	10.0	38
	5	6	5	-	11	8.3	140	15.3	4	221	8.9	11
	6	9	7	-	16	12.1	174	26.5	12	227	10.8	16
	7	22	26	-	48	36.4	192	25.1	41	231	11.4	48
	8	1	4	-	5	3.8	214	31.6	3	259	17.0	5
	9	-	1	-	1	.8	200	-	1	242	-	1
	10	-	1	-	1	.8	-	-	-	285	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		63	69	-	132	100.0	164	41.8	89	222	18.9	132

Table 327. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Paramanof Bay, statistical area A031, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Mean (gm)	Weight		Mean (mm)	Std. Length		
		Male	Female	Unknown			Std. Dev.	Number Weighed		Mean	Std. Dev.	Number Measured
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	4	4	-	8	3.9	90	24.1	8	194	7.5	8
	4	17	16	2	35	17.0	113	29.8	25	208	12.5	35
	5	11	11	-	22	10.7	153	29.3	11	225	11.4	22
	6	22	21	-	43	20.9	165	28.8	31	234	10.3	43
	7	35	53	-	88	42.7	195	32.6	59	242	9.7	88
	8	1	4	-	5	2.4	154	14.5	3	239	6.5	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	2	2	-	4	1.9	232	118.9	3	271	14.7	4
	11+	1	-	-	1	.5	270	-	1	272	-	1
Period total		93	111	2	206	100.0	165	49.4	141	232	18.6	206
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	2	-	4	8.2	95	9.9	4	193	5.7	4
	4	3	-	-	3	6.1	107	4.6	3	198	4.7	3
	5	2	1	-	3	6.1	159	23.0	3	225	8.9	3
	6	3	4	-	7	14.3	209	46.5	7	241	11.6	7
	7	10	19	-	29	59.2	215	30.3	28	243	9.6	29
	8	1	1	-	2	4.1	256	2.1	2	256	4.9	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	2.0	332	-	1	283	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		21	28	-	49	100.0	198	55.5	48	236	20.8	49
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	6	6	-	12	4.7	92	20.0	12	194	6.7	12
	4	20	16	2	38	14.9	112	28.2	28	207	12.4	38
	5	13	12	-	25	9.8	155	27.4	14	225	10.9	25
	6	25	25	-	50	19.6	173	36.5	38	235	10.6	50
	7	45	72	-	117	45.9	201	33.0	87	242	9.7	117
	8	2	5	-	7	2.7	195	56.4	5	243	10.0	7
	9	-	-	-	-	-	-	-	-	-	-	-
	10	2	3	-	5	2.0	257	109.2	4	273	13.8	5
	11+	1	-	-	1	.4	270	-	1	272	-	1
Total		114	139	2	255	100.0	173	52.8	189	233	19.1	255

Table 328. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Paramanof Bay, statistical area A031, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-	-	-	-	-	-	
	7	6	6	-	12	92.3	-	-	242	9.7	12
	8	1	-	-	1	7.7	-	-	252	-	1
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		7	6	-	13	100.0	-	-	243	9.7	13

Table 329. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Paramanof Bay, statistical area A031, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/12- 4/18	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	2	2	-	4	17.4	87	19.4	4	194	18.0	4
	4	1	2	-	3	13.0	110	31.1	2	207	16.5	3
	5	1	-	-	1	4.3	150	-	1	230	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	10	4	-	14	60.9	203	27.5	13	242	9.4	14
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	4.3	264	-	1	265	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		14	9	-	23	100.0	172	59.0	21	229	24.1	23
4/19- 4/25	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	8	10	-	18	21.4	-	-	-	212	7.5	18
	5	8	6	-	14	16.7	-	-	-	224	13.3	14
	6	14	2	-	16	19.0	-	-	-	238	14.9	16
	7	19	7	-	26	31.0	-	-	-	245	9.8	26
	8	4	3	-	7	8.3	-	-	-	244	5.1	7
	9	-	1	-	1	1.2	-	-	-	244	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	1	-	2	2.4	-	-	-	257	21.9	2
Period total		54	30	-	84	100.0	-	-	-	233	17.2	84
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	1	-	3	21.4	-	-	-	214	7.0	3
	5	2	2	-	4	28.6	-	-	-	221	17.7	4
	6	1	-	-	1	7.1	-	-	-	224	-	1
	7	2	3	-	5	35.7	-	-	-	254	8.1	5
	8	-	1	-	1	7.1	-	-	-	252	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		7	7	-	14	100.0	-	-	-	234	20.8	14
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	4	-	8	38.1	-	-	-	163	8.1	8
	3	-	1	-	1	4.8	-	-	-	164	-	1
	4	3	1	-	4	19.0	-	-	-	206	11.1	4
	5	-	-	-	-	-	-	-	-	-	-	-
	6	2	1	-	3	14.3	-	-	-	234	9.5	3
	7	4	1	-	5	23.8	-	-	-	239	11.0	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		13	8	-	21	100.0	-	-	-	199	35.6	21

-Continued-

Table 329. (page 2 of 2)

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Leng	
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Me
	1	-	-	-	-	-	-	-	-	-	-
	2	4	4	-	8	5.6	-	-	-	163	8.1
	3	2	3	-	5	3.5	87	19.4	4	188	20.4
	4	14	14	-	28	19.7	110	31.1	2	211	9.0
	5	11	8	-	19	13.4	150	-	1	223	13.6
All periods	6	17	3	-	20	14.1	-	-	-	237	14.0
	7	35	15	-	50	35.2	203	27.5	13	244	10.1
	8	4	4	-	8	5.6	-	-	-	245	5.4
	9	-	2	-	2	1.4	264	-	1	255	14.8
	10	-	-	-	-	-	-	-	-	-	-
	11+	1	1	-	2	1.4	-	-	-	257	21.9
	Total	88	54	-	142	100.0	172	59.0	21	228	25.0

Table 330. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Paramanof Bay, statistical area A031, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
1/26	1	-	-	-	-	-	-	-	-	-	-	
	2	21	17	-	38	97.4	43	6.1	38	162	6.6	38
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	1	-	1	2.6	300	-	1	251	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		21	18	-	39	100.0	50	41.5	39	164	15.6	39

Table 331. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Foul Bay, statistical area A032, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-
	2	6	-	-	8	6.6	-	-	172	6.6	8
	3	8	10	-	21	17.2	-	-	195	10.2	21
	4	29	13	-	55	45.1	-	-	211	10.4	55
	5	3	2	-	6	4.9	-	-	229	10.2	6
	6	5	4	-	9	7.4	-	-	232	8.6	9
	7	9	9	-	20	16.4	-	-	239	10.4	20
	8	-	3	-	3	2.5	-	-	248	6.8	3
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		60	41	-	122	100.0	-	-	214	21.2	122

Table 332. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Foul Bay, statistical area A032, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length	
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-
	4	-	1	-	1	2.7	174	-	1	235
	5	1	-	-	1	2.7	207	-	1	240
4/26- 5/ 2	6	2	4	-	6	16.2	165	12.9	6	237
	7	14	13	-	27	73.0	204	33.1	27	242
	8	1	1	-	2	5.4	195	.7	2	243
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-
Period total		18	19	-	37	100.0	197	32.3	37	241

Table 333. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Devils Inlet, statistical area A040, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	8	-	15	14.9	93	15.9	15	190	10.6	15
	4	24	23	-	47	46.5	120	25.3	47	207	13.0	47
	5	5	5	-	10	9.9	155	20.9	10	221	8.7	10
4/26- 5/ 2	6	2	7	-	9	8.9	174	32.6	9	234	10.6	9
	7	7	10	-	17	16.8	197	38.1	16	242	12.4	17
	8	-	2	-	2	2.0	176	8.5	2	240	12.7	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.0	179	-	1	249	-	1
Period total		46	55	-	101	100.0	139	43.4	100	215	21.0	101

Table 334. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Phoenix Bay, statistical area A070, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	-	2	6.7	69	14.8	2	175	12.7	2
	3	7	5	-	12	40.0	98	13.0	12	190	7.1	12
	4	5	6	-	11	36.7	138	31.1	11	212	14.4	11
	5	1	2	-	3	10.0	137	28.9	3	212	6.7	3
5/ 3- 5/ 9	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	2	-	2	6.7	191	60.1	2	237	12.0	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		14	16	-	30	100.0	121	38.2	30	202	18.5	30

Table 335. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Waterfall Bay, statistical area A071, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
6/21- 6/27	1	-	-	-	-	-	-	-	-	-	-	-
	2	6	3	-	9	15.5	71	20.6	9	163	24.7	9
	3	12	7	-	19	32.8	101	29.7	19	194	18.1	19
	4	10	7	-	17	29.3	130	27.1	17	213	9.3	17
	5	5	4	-	9	15.5	125	10.8	9	208	6.3	9
	6	-	-	-	-	-	-	-	-	-	-	-
	7	3	-	-	3	5.2	162	14.7	3	226	7.2	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	1.7	169	-	1	222	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	21	-	58	100.0	113	34.4	58	199	23.6	58

Table 336. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Little Waterfall Bay, statistical area A071, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	62	23	8	93	78.2	62	8.7	93	168	7.4	93
	3	8	4	1	13	10.9	81	17.7	13	182	9.4	13
	4	2	2	-	4	3.4	124	48.4	4	208	27.5	4
	5	2	-	-	2	1.7	208	20.5	2	233	8.5	2
5/17- 5/23	6	1	-	-	1	.8	138	-	1	215	-	1
	7	-	3	-	3	2.5	235	20.6	3	240	9.3	3
	8	-	3	-	3	2.5	270	34.4	3	246	6.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		75	35	9	119	100.0	79	48.3	119	176	21.4	119

Table 337. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Kitoi Bay, statistical area A091, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/12- 4/18	1	-	-	-	-	-	-	-	-	-	-	
	2	6	-	-	6	15.0	61	6.0	6	169	4.1	6
	3	5	5	-	10	25.0	97	23.6	10	196	13.6	10
	4	6	10	-	16	40.0	148	25.2	16	220	11.7	16
	5	4	1	-	5	12.5	176	24.0	5	230	9.0	5
	6	1	-	-	1	2.5	219	-	1	250	-	1
	7	1	-	-	1	2.5	180	-	1	235	-	1
	8	1	-	-	1	2.5	235	-	1	254	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		24	16	-	40	100.0	131	49.0	40	210	24.9	40
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	1	-	4	5.1	70	9.6	4	179	9.0	4
	3	16	10	-	26	33.3	128	32.2	26	207	8.9	26
	4	19	15	-	34	43.6	151	28.3	34	219	14.0	34
	5	3	2	-	5	6.4	168	45.5	5	230	17.9	5
	6	2	1	-	3	3.8	174	42.7	3	234	18.2	3
	7	2	2	-	4	5.1	194	33.0	4	236	12.7	4
	8	1	-	-	1	1.3	240	-	1	242	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.3	254	-	1	265	-	1
Period total		47	31	-	78	100.0	146	41.8	78	216	18.3	78
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	9	1	-	10	8.5	64	8.6	10	173	7.8	10
	3	21	15	-	36	30.5	120	32.8	36	203	11.4	36
	4	25	25	-	50	42.4	150	27.1	50	219	13.2	50
	5	7	3	-	10	8.5	172	34.5	10	230	13.3	10
	6	3	1	-	4	3.4	186	41.4	4	238	16.8	4
	7	3	2	-	5	4.2	191	29.2	5	235	11.0	5
	8	2	-	-	2	1.7	238	3.5	2	248	8.5	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.8	254	-	1	265	-	1
Total		71	47	-	118	100.0	141	44.8	118	214	20.9	118

Table 338. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in McDonalds Lagoon, statistical area A092, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Dev. Weighed	Number	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	1	7	-	8	17.0	112	19.2	8	205	8.1
	4	13	11	-	24	51.1	143	23.1	24	219	10.8
	5	-	2	-	2	4.3	174	2.8	2	225	7.1
4/26- 5/ 2	6	1	-	-	1	2.1	171	-	1	230	-
	7	3	8	-	11	23.4	189	35.9	11	242	10.3
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	2.1	301	-	1	279	-
Period total		19	28	-	47	100.0	154	42.0	47	224	17.5

Table 339. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Danger Bay, statistical area A100, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.6	65	-	1	169	-	1
	3	7	10	-	17	26.6	103	14.4	17	195	8.6	17
	4	20	8	-	28	43.8	132	20.7	28	213	11.3	28
	5	3	3	-	6	9.4	146	26.5	5	220	10.2	6
4/26- 5/ 2	6	-	1	-	1	1.6	160	-	1	238	-	1
	7	5	6	-	11	17.2	182	26.8	11	231	7.1	11
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	28	-	64	100.0	134	34.3	63	212	16.6	64

Table 340. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roe fishery in Danger Bay, statistical area A100, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	2	-	3	7.5	-	-	216	4.7	3
	4	11	14	-	25	62.5	-	-	222	7.2	25
	5	-	2	-	2	5.0	-	-	230	.7	2
4/19- 4/25	6	2	-	-	2	5.0	-	-	245	7.8	2
	7	3	5	-	8	20.0	-	-	248	6.5	8
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		17	23	-	40	100.0	-	-	228	12.9	40

Table 341. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Danger Bay, statistical area A100, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	1	16	17	42.5	-	-	189	6.5	17	
	3	-	2	6	8	20.0	-	-	208	7.9	8	
	4	-	-	5	5	12.5	-	-	225	5.7	5	
	5	1	1	1	3	7.5	-	-	224	18.8	3	
8/16- 8/22	6	-	-	-	-	-	-	-	-	-	-	
	7	2	1	1	4	10.0	330	-	1	241	12.0	4
	8	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	1	1	1	3	7.5	-	-	263	2.5	3	
Period total		4	6	30	40	100.0	330	-	1	211	24.6	40

Table 342. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roë fishery in Mary Anderson Cove, statistical area A100, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev. Weighed	Mean (mm)	Std. Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-
	4	14	13	-	27	69.2	-	-	227	6.7	27
	5	3	2	-	5	12.8	-	-	233	9.5	5
4/19- 4/25	6	2	1	-	3	7.7	-	-	238	13.6	3
	7	1	-	-	1	2.6	-	-	242	-	1
	8	1	1	-	2	5.1	-	-	263	9.2	2
	9	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	2.6	-	-	261	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		21	18	-	39	100.0	-	-	232	12.0	39

Table 343. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roe fishery in Litnik Bay, statistical area A101, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	6.7	-	-	212	9.9	2
	4	8	6	-	14	46.7	-	-	223	10.8	14
	5	2	2	-	4	13.3	-	-	237	4.9	4
4/19- 4/25	6	2	2	-	4	13.3	-	-	231	15.2	4
	7	2	2	-	4	13.3	-	-	251	19.2	4
	8	-	1	-	1	3.3	-	-	252	-	1
	9	-	1	-	1	3.3	-	-	272	-	1
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		15	15	-	30	100.0	-	-	231	17.7	30

Table 344. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uganik District, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	.8	58	6.0	3	162	3.6	3
	3	35	38	26	99	25.2	92	17.4	62	188	11.6	98
	4	110	74	51	235	59.8	125	21.7	145	204	11.7	235
	5	12	9	7	28	7.1	144	19.6	15	214	10.8	27
	6	7	2	2	11	2.8	171	14.1	5	225	7.7	11
	7	10	4	2	16	4.1	186	24.6	9	228	11.5	16
	8	-	-	1	1	.3	-	-	-	237	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		177	127	89	393	100.0	120	30.6	239	202	15.8	391
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	30	7	-	37	20.7	63	7.9	35	170	6.2	37
	3	15	20	-	35	19.6	108	23.3	34	198	12.8	35
	4	22	35	2	59	33.0	140	27.9	57	214	9.7	59
	5	13	19	-	32	17.9	166	25.6	30	222	9.7	32
	6	3	5	-	8	4.5	203	33.5	6	236	10.6	8
	7	2	4	-	6	3.4	191	21.1	6	236	10.2	6
	8	1	1	-	2	1.1	214	10.6	2	238	10.6	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		86	91	2	179	100.0	127	47.3	170	205	22.9	179
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	33	7	-	40	7.0	62	7.8	38	169	6.4	40
	3	50	58	26	134	23.4	98	21.1	96	191	12.8	133
	4	132	109	53	294	51.4	130	24.5	202	206	12.0	294
	5	25	28	7	60	10.5	159	25.8	45	218	11.0	59
	6	10	7	2	19	3.3	188	30.2	11	230	10.4	19
	7	12	8	2	22	3.8	188	22.6	15	230	11.5	22
	8	1	1	1	3	.5	214	10.6	2	237	7.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		263	218	91	572	100.0	123	38.5	409	203	18.4	570

Table 345. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Viekoda Bay, statistical area UG20, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	4.8	52	-	1	163	-	1
	3	5	4	-	9	42.9	96	22.1	9	192	10.7	9
	4	6	2	-	8	38.1	113	12.0	7	199	2.9	8
	5	-	2	-	2	9.5	140	38.9	2	212	18.4	2
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	4.8	211	-	1	238	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		13	8	-	21	100.0	110	35.1	20	197	15.6	21
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	1.6	57	-	1	158	-	1
	3	6	18	-	24	38.7	83	15.6	24	179	10.6	24
	4	13	18	-	31	50.0	111	23.7	31	193	9.5	31
	5	1	1	-	2	3.2	153	4.2	2	207	.7	2
	6	1	-	-	1	1.6	159	-	1	210	-	1
	7	2	1	-	3	4.8	183	30.3	3	219	10.4	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		24	38	-	62	100.0	105	32.8	62	189	14.5	62
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	2.4	55	3.5	2	161	3.5	2
	3	11	22	-	33	39.8	86	18.2	33	183	11.9	33
	4	19	20	-	39	47.0	112	21.9	38	194	8.8	39
	5	1	3	-	4	4.8	146	23.9	4	209	11.1	4
	6	1	-	-	1	1.2	159	-	1	210	-	1
	7	3	1	-	4	4.8	190	28.3	4	224	12.9	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		37	46	-	83	100.0	106	33.2	82	191	15.1	83

Table 346. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Terror Bay, statistical area UG21, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	
	4	2	1	-	3	8.8	-	-	226	9.3	3
	5	2	8	-	10	29.4	-	-	233	9.1	10
5/ 3- 5/ 9	6	4	2	-	6	17.6	-	-	233	10.1	6
	7	5	7	-	12	35.3	-	-	244	6.6	12
	8	1	2	-	3	8.8	-	-	241	3.8	3
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		14	20	-	34	100.0	-	-	237	9.7	34

Table 347. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Terror Bay, statistical area UG21, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	11.8	89	18.4	2	196	7.8	2
	4	6	6	-	12	70.6	116	26.4	12	212	10.0	12
5/ 3- 5/ 9	5	1	-	-	1	5.9	148	-	1	232	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	5.9	152	-	1	230	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	1	5.9	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		9	7	-	17	100.0	117	28.0	16	212	12.7	16

Table 348. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Uganik Bay, statistical areas UG30-34, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	13	1	26	40	24.2	80	13.6	3	185	6.8	40
	4	36	10	51	97	58.8	128	24.1	10	200	8.0	97
	5	5	-	7	12	7.3	-	-	-	210	10.1	12
	6	5	-	2	7	4.2	165	-	1	224	5.6	7
	7	6	-	2	8	4.8	180	-	1	226	9.0	8
	8	-	-	1	1	.6	-	-	-	237	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		65	11	89	165	100.0	124	34.1	15	199	13.8	165
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	1	.7	64	-	1	165	-	1
	3	11	15	-	26	17.9	100	13.1	26	200	8.4	25
	4	55	44	-	99	68.3	130	19.1	97	213	9.3	99
	5	6	6	-	12	8.3	143	19.1	11	219	9.6	11
	6	1	2	-	3	2.1	177	15.9	3	233	.6	3
	7	1	3	-	4	2.8	184	27.7	4	236	13.8	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		75	70	-	145	100.0	128	25.6	142	212	12.4	143
5/31- 6/ 6	1	-	-	-	-	-	-	-	-	-	-	-
	2	30	7	-	37	20.7	63	7.9	35	170	6.2	37
	3	15	20	-	35	19.6	108	23.3	34	198	12.8	35
	4	22	35	2	59	33.0	140	27.9	57	214	9.7	59
	5	13	19	-	32	17.9	166	25.6	30	222	9.7	32
	6	3	5	-	8	4.5	203	33.5	6	236	10.6	8
	7	2	4	-	6	3.4	191	21.1	6	236	10.2	6
	8	1	1	-	2	1.1	214	10.6	2	238	10.6	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		86	91	2	179	100.0	127	47.3	170	205	22.9	179
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	31	7	-	38	7.8	63	7.8	36	170	6.2	38
	3	39	36	26	101	20.7	104	20.2	63	193	11.9	100
	4	113	89	53	255	52.1	134	23.2	164	208	11.2	255
	5	24	25	7	56	11.5	160	25.9	41	219	10.8	55
	6	9	7	2	18	3.7	191	30.2	10	231	9.5	18
	7	9	7	2	18	3.7	187	21.7	11	231	11.1	18
	8	1	1	1	3	.6	214	10.6	2	237	7.5	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		226	172	91	489	100.0	127	38.6	327	205	18.1	487

Table 349. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in E. Arm Uganik Bay, statistical area UG33, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	1	3.3	110	-	1	202	-	1
	4	13	9	-	22	73.3	125	15.8	22	204	7.6	22
4/19- 4/25	5	1	2	-	3	10.0	145	16.8	3	215	8.7	3
	6	1	-	-	1	3.3	198	-	1	235	-	1
	7	1	2	-	3	10.0	178	14.6	3	241	18.0	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		17	13	-	30	100.0	134	25.3	30	210	15.0	30

Table 350. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in S. Arm Uganik Bay, statistical area UG34, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	13	-	9	22	44.9	50	12.7	22	154	11.8	22
	3	7	4	-	11	22.4	93	10.4	11	185	8.2	11
	4	3	4	-	7	14.3	126	22.4	7	199	6.2	7
	5	2	1	-	3	6.1	137	11.0	3	213	1.0	3
	6	-	1	-	1	2.0	201	-	1	226	-	1
	7	-	4	-	4	8.2	182	51.4	4	223	19.4	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	2.0	199	-	1	255	-	1
Period total		26	14	9	49	100.0	93	50.7	49	180	29.3	49
9/13- 9/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	12	14	-	26	74.3	94	14.9	26	186	9.9	26
	3	3	-	-	3	8.6	115	15.8	3	200	7.5	3
	4	3	2	-	5	14.3	117	15.8	5	202	8.3	5
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	2.9	258	-	1	245	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		18	17	-	35	100.0	104	32.0	35	191	14.5	35
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	25	14	9	48	57.1	74	25.7	48	171	19.5	48
	3	10	4	-	14	16.7	98	14.5	14	189	10.0	14
	4	6	6	-	12	14.3	122	19.7	12	200	6.9	12
	5	2	1	-	3	3.6	137	11.0	3	213	1.0	3
	6	-	1	-	1	1.2	201	-	1	226	-	1
	7	-	4	-	4	4.8	182	51.4	4	223	19.4	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	1	-	1	1.2	258	-	1	245	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.2	199	-	1	255	-	1
Total		44	31	9	84	100.0	97	44.0	84	185	24.8	84

Table 351. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the Uyak District, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	27	9	14	50	9.9	39	14.9	47	146	12.6	50
	3	62	55	1	118	23.5	87	14.1	109	185	10.6	118
	4	118	144	-	262	52.1	116	17.8	247	202	10.1	262
	5	20	14	-	34	6.8	134	26.5	34	212	13.3	34
	6	9	4	-	13	2.6	169	35.4	13	225	12.3	13
	7	15	5	-	20	4.0	177	23.7	19	226	11.4	20
	8	1	2	-	3	.6	199	27.2	3	237	1.5	3
	9	1	1	-	2	.4	224	26.9	2	250	10.6	2
	10	1	-	-	1	.2	228	-	1	252	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		254	234	15	503	100.0	108	37.7	475	195	22.6	503
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	51	24	6	81	50.6	50	13.5	81	154	12.7	81
	3	10	8	-	18	11.3	101	25.8	18	193	18.7	18
	4	11	12	-	23	14.4	136	26.6	23	211	13.1	23
	5	9	7	-	16	10.0	150	25.1	16	219	11.0	16
	6	6	2	-	8	5.0	174	33.4	8	228	11.4	8
	7	3	5	-	8	5.0	199	26.9	8	238	12.6	8
	8	2	1	-	3	1.9	206	44.7	3	236	5.6	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	2	-	3	1.9	273	54.9	3	257	9.5	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		93	61	6	160	100.0	99	61.1	160	185	35.5	160
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	78	33	20	131	19.8	46	14.9	128	151	13.3	131
	3	72	63	1	136	20.5	89	17.0	127	186	12.2	136
	4	129	156	-	285	43.0	118	19.4	270	202	10.7	285
	5	29	21	-	50	7.5	140	26.9	50	214	13.0	50
	6	15	6	-	21	3.2	171	33.9	21	226	11.8	21
	7	18	10	-	28	4.2	183	26.3	27	230	12.7	28
	8	3	3	-	6	.9	202	33.3	6	236	3.7	6
	9	1	1	-	2	.3	224	26.9	2	250	10.6	2
	10	2	2	-	4	.6	262	50.0	4	256	8.2	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		347	295	21	663	100.0	106	44.9	635	192	26.7	663

Table 352. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Inner Uyak Bay, statistical area UY30, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	20	8	12	40	15.1	37	14.2	37	142	10.8	40
	3	30	26	1	57	21.5	87	12.7	49	184	10.2	57
	4	64	72	-	136	51.3	118	18.9	122	201	11.4	136
	5	9	4	-	13	4.9	150	24.5	13	219	13.6	13
5/ 3- 5/ 9	6	6	1	-	7	2.6	150	14.2	7	220	9.7	7
	7	9	3	-	12	4.5	174	20.9	11	222	11.2	12
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		138	114	13	265	100.0	104	39.5	239	190	25.4	265

Table 353. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Zachar Bay, statistical area UY40, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	5	1	2	8	4.8	51	15.3	8	160	11.6	8
	3	25	21	-	46	27.7	87	15.9	45	187	11.3	46
	4	41	46	-	87	52.4	115	16.7	87	201	8.3	87
	5	9	8	-	17	10.2	124	20.7	17	207	11.1	17
5/ 3- 5/ 9	6	2	2	-	4	2.4	202	47.9	4	233	16.1	4
	7	1	-	-	1	.6	162	-	1	223	-	1
	8	1	1	-	2	1.2	206	33.9	2	237	2.1	2
	9	1	-	-	1	.6	205	-	1	242	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		85	79	2	166	100.0	109	32.5	165	198	16.6	166

Table 354. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roë fishery in Zachar Bay, statistical area UY40, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	31	19	4	54	96.4	44	10.4	54	148	9.5	54
	3	2	-	-	2	3.6	56	21.9	2	157	21.9	2
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		33	19	4	56	100.0	44	10.9	56	148	9.9	56

Table 355. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	1.9	102	19.1	2	195	2.1	2
	4	20	48	-	68	64.2	137	13.5	68	209	7.3	68
4/26- 5/ 2	5	9	10	-	19	17.9	146	13.5	19	214	5.4	19
	6	3	3	-	6	5.7	162	13.1	5	221	6.6	6
	7	4	5	-	9	8.5	173	25.6	9	224	8.1	9
	8	1	1	-	2	1.9	178	9.9	2	231	5.7	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	68	-	106	100.0	143	19.7	105	212	9.0	106

Table 356. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Zachar Bay, statistical area UY40, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	4	-	6	60.0	158	10.4	6	211	9.4	6
	5	-	1	-	1	10.0	136	-	1	196	-	1
	6	-	1	-	1	10.0	155	-	1	215	-	1
	7	-	2	-	2	20.0	193	21.9	2	225	2.8	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		2	8	-	10	100.0	162	20.3	10	213	10.8	10
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	-	-	4	3.4	86	52.3	2	161	7.9	4
	3	7	3	-	10	8.4	100	32.8	7	191	6.2	10
	4	51	35	-	86	72.3	111	17.5	41	200	7.4	86
	5	11	7	-	18	15.1	131	16.7	9	211	9.3	18
	6	1	-	-	1	.8	168	-	1	228	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		74	45	-	119	100.0	113	23.5	60	200	11.8	119
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	2	-	3	9.7	49	.0	3	162	3.5	3
	3	-	2	-	2	6.5	90	7.8	2	194	9.2	2
	4	8	6	-	14	45.2	118	20.3	14	206	8.2	14
	5	1	2	-	3	9.7	163	1.4	2	219	5.5	3
	6	2	1	-	3	9.7	176	21.2	3	229	7.6	3
	7	2	2	-	4	12.9	192	22.7	4	234	10.0	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	1	3.2	195	-	1	237	-	1
	10	-	1	-	1	3.2	328	-	1	274	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	16	-	31	100.0	137	58.3	30	211	24.1	31
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	1	-	1	1.6	57	-	1	163	-	1
	3	3	4	-	7	11.3	110	9.3	7	194	6.0	7
	4	12	6	-	18	29.0	123	16.6	18	204	7.0	18
	5	1	3	-	4	6.5	156	50.0	4	216	15.0	4
	6	3	1	-	4	6.5	142	36.6	4	213	18.1	4
	7	2	3	-	5	8.1	201	49.8	5	231	15.2	5
	8	3	2	-	5	8.1	201	18.3	5	237	4.9	5
	9	2	1	-	3	4.8	242	58.2	3	250	4.2	3
	10	-	4	-	4	6.5	274	18.9	4	258	6.3	4
	11+	3	8	-	11	17.7	273	45.4	11	255	8.7	11
Period total		29	33	-	62	100.0	178	72.1	62	223	25.9	62

-Continued-

Table 356. (page 2 of 2)

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Leng			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Me		
	1	-	-	-	-	-	-	-	-	-		
	2	5	3	-	8	3.6	63	29.7	6	162	5.6	
	3	10	9	-	19	8.6	103	22.8	16	193	6.2	1
	4	73	51	-	124	55.9	119	21.1	79	202	8.0	12
	5	13	13	-	26	11.7	142	28.9	16	212	10.4	2
All periods	6	6	3	-	9	4.1	158	29.6	9	220	14.3	
	7	4	7	-	11	5.0	196	34.9	11	231	11.6	1
	8	3	2	-	5	2.3	201	18.3	5	237	4.9	
	9	3	1	-	4	1.8	230	53.0	4	247	7.2	
	10	-	5	-	5	2.3	284	29.3	5	261	8.9	
	11+	3	8	-	11	5.0	273	45.4	11	255	8.7	1
Total		120	102	-	222	100.0	146	60.4	162	208	21.2	22

Table 357. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	
	2	2	-	-	2	2.8	44	4.2	2	155	3.5	2
	3	7	8	-	15	20.8	85	14.0	15	185	9.9	15
	4	13	26	-	39	54.2	116	16.1	38	205	7.8	39
	5	2	2	-	4	5.6	127	37.0	4	208	13.3	4
	6	1	1	-	2	2.8	170	8.5	2	226	7.8	2
	7	5	2	-	7	9.7	183	29.2	7	234	8.4	7
	8	-	1	-	1	1.4	184	-	1	237	-	1
	9	-	1	-	1	1.4	243	-	1	257	-	1
	10	1	-	-	1	1.4	228	-	1	252	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	41	-	72	100.0	120	40.9	71	205	20.0	72
5/31- 6/ 6	1	-	-	-	-	-	-	-	-	-	-	-
	2	20	5	2	27	26.0	62	11.0	27	167	7.5	27
	3	8	8	-	16	15.4	107	20.2	16	197	13.0	16
	4	11	12	-	23	22.1	136	26.6	23	211	13.1	23
	5	9	7	-	16	15.4	150	25.1	16	219	11.0	16
	6	6	2	-	8	7.7	174	33.4	8	228	11.4	8
	7	3	5	-	8	7.7	199	26.9	8	238	12.6	8
	8	2	1	-	3	2.9	206	44.7	3	236	5.6	3
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	2	-	3	2.9	273	54.9	3	257	9.5	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		60	42	2	104	100.0	128	56.6	104	204	27.9	104
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	22	5	2	29	16.5	61	11.6	29	166	7.9	29
	3	15	16	-	31	17.6	96	20.7	31	191	12.9	31
	4	24	38	-	62	35.2	124	22.8	61	208	10.4	62
	5	11	9	-	20	11.4	146	28.4	20	217	12.1	20
	6	7	3	-	10	5.7	173	29.7	10	228	10.4	10
	7	8	7	-	15	8.5	192	28.1	15	236	10.7	15
	8	2	2	-	4	2.3	201	38.1	4	236	4.6	4
	9	-	1	-	1	.6	243	-	1	257	-	1
	10	2	2	-	4	2.3	262	50.0	4	256	8.2	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		91	83	2	176	100.0	125	50.8	175	205	24.9	176

Table 358. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Spiridon Bay, statistical area UY50, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	4	4	-	8	42.1	131	11.5	8	212	8.7	8
	5	1	3	-	4	21.1	162	11.6	4	226	3.5	4
	6	1	2	-	3	15.8	159	11.8	3	226	1.7	3
	7	1	-	-	1	5.3	202	-	1	240	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	1	2	-	3	15.8	240	41.8	3	258	5.2	3
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		8	11	-	19	100.0	163	42.6	19	226	17.4	19
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	2	9	1	12	21.8	-	-	-	212	9.3	12
	5	6	7	-	13	23.6	-	-	-	224	10.0	13
	6	6	1	-	7	12.7	-	-	-	227	7.7	7
	7	5	6	-	11	20.0	-	-	-	233	10.6	11
	8	1	7	1	9	16.4	-	-	-	241	13.8	9
	9	1	1	-	2	3.6	-	-	-	239	5.7	2
	10	-	1	-	1	1.8	-	-	-	245	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		21	32	2	55	100.0	-	-	-	227	14.1	55
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	6	13	1	20	27.0	131	11.5	8	212	8.8	20
	5	7	10	-	17	23.0	162	11.6	4	224	8.9	17
	6	7	3	-	10	13.5	159	11.8	3	227	6.3	10
	7	6	6	-	12	16.2	202	-	1	234	10.3	12
	8	1	7	1	9	12.2	-	-	-	241	13.8	9
	9	1	1	-	2	2.7	-	-	-	239	5.7	2
	10	1	3	-	4	5.4	240	41.8	3	255	7.8	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		29	43	2	74	100.0	163	42.6	19	227	14.9	74

Table 359. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Spiridon Bay, statistical area UY50, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
5/ 3- 5/ 9	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	5.9	-	-	207	-	1	
	4	1	2	-	3	17.6	136	34.8	3	218	14.9	3
	5	2	2	-	4	23.5	128	45.1	4	217	16.3	4
	6	1	1	-	2	11.8	167	29.7	2	227	7.1	2
	7	-	2	-	2	11.8	214	32.5	2	248	9.2	2
	8	-	1	-	1	5.9	217	-	1	258	-	1
	9	1	-	-	1	5.9	196	-	1	244	-	1
	10	-	1	-	1	5.9	286	-	1	269	-	1
	11+	-	2	-	2	11.8	-	-	-	250	7.1	2
Period total		5	12	-	17	100.0	170	56.2	14	232	20.9	17
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	1	-	3	3.9	50	9.3	3	153	6.7	3
	3	-	1	-	1	1.3	136	-	1	211	-	1
	4	11	5	-	16	21.1	117	13.1	16	198	8.7	16
	5	9	5	-	14	18.4	138	20.2	14	207	11.3	14
	6	10	3	-	13	17.1	168	24.7	13	219	11.4	13
	7	12	4	-	16	21.1	178	24.4	16	220	13.3	16
	8	4	2	-	6	7.9	213	29.8	6	235	7.4	6
	9	-	1	-	1	1.3	258	-	1	261	-	1
	10	-	1	-	1	1.3	243	-	1	243	-	1
	11+	3	2	-	5	6.6	221	37.8	5	233	13.4	5
Period total		51	25	-	76	100.0	158	46.8	76	213	20.7	76
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	15	4	-	19	10.4	60	6.7	3	165	6.0	19
	3	7	10	-	17	9.3	119	13.4	2	200	14.2	17
	4	29	27	-	56	30.6	128	13.7	3	213	10.8	55
	5	21	10	-	31	16.9	179	20.5	2	219	7.9	31
	6	4	4	-	8	4.4	173	-	1	229	11.1	8
	7	12	18	-	30	16.4	162	-	1	235	8.9	30
	8	2	8	-	10	5.5	196	-	1	237	8.5	10
	9	-	3	-	3	1.6	-	-	-	240	11.1	3
	10	1	2	-	3	1.6	-	-	-	255	24.0	3
	11+	1	5	-	6	3.3	189	-	1	249	9.5	6
Period total		92	91	-	183	100.0	134	48.9	14	216	23.7	182
5/24- 5/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	9	1	-	10	22.7	-	-	-	165	2.9	10
	3	4	3	-	7	15.9	-	-	-	179	11.5	7
	4	4	6	-	10	22.7	-	-	-	213	9.5	10
	5	4	-	-	4	9.1	-	-	-	214	7.2	4
	6	-	1	-	1	2.3	-	-	-	245	-	1
	7	6	3	-	9	20.5	-	-	-	228	9.0	9
	8	1	1	-	2	4.5	-	-	-	240	.7	2
	9	-	1	-	1	2.3	-	-	-	235	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		28	16	-	44	100.0	-	-	-	203	27.8	44

-Continued-

Table 359. (page 2 of 2)

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Leng		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Nu Dev. Me	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	26	6	-	32	10.0	55	9.1	6	164	6.2	3
	3	11	15	-	26	8.1	124	13.9	3	195	16.3	2
	4	45	40	-	85	26.6	121	17.5	22	210	11.8	8
	5	36	17	-	53	16.6	140	28.5	20	215	10.8	5
All periods	6	15	9	-	24	7.5	168	23.4	16	224	12.2	2
	7	30	27	-	57	17.8	181	26.6	19	230	12.4	5
	8	7	12	-	19	5.9	211	26.0	8	238	8.8	1
	9	1	5	-	6	1.9	227	43.8	2	244	11.4	
	10	1	4	-	5	1.6	265	30.4	2	256	19.3	
	11+	4	9	-	13	4.1	215	36.2	6	243	13.1	1
	Total	176	144	-	320	100.0	156	48.9	104	214	24.2	31

Table 360. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in the General District, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured		
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-	
	2	2	3	-	5	4.5	66	9.1	3	177	11.6	5	
	3	25	19	-	44	39.6	105	13.1	18	198	10.0	44	
	4	15	22	-	37	33.3	148	29.2	28	221	13.9	37	
	5	8	15	-	23	20.7	185	16.6	20	237	6.7	23	
	6	2	-	-	2	1.8	169	9.9	2	240	6.4	2	
	7	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		52	59	-	111	100.0	145	40.1	71	213	20.6	111	
5/16- 5/31	1	-	-	47	47	16.1	14	9.0	47	111	23.6	47	
	2	25	1	39	65	22.3	51	12.8	64	163	15.9	65	
	3	32	29	2	63	21.6	103	15.7	55	197	9.4	63	
	4	16	16	-	32	11.0	141	37.7	13	222	14.5	32	
	5	40	42	-	82	28.1	184	22.1	48	232	9.3	82	
	6	2	-	-	2	.7	178	-	1	234	4.2	2	
	7	1	-	-	1	.3	209	-	1	237	-	1	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		116	88	88	292	100.0	90	63.5	229	189	44.9	292	
All periods	1	-	-	47	47	11.7	14	9.0	47	111	23.6	47	
	2	27	4	39	70	17.4	52	13.0	67	164	16.0	70	
	3	57	48	2	107	26.6	104	15.0	73	197	9.6	107	
	4	31	38	-	69	17.1	146	31.8	41	221	14.1	69	
	5	48	57	-	105	26.1	184	20.5	68	234	9.0	105	
	6	4	-	-	4	1.0	172	8.7	3	237	5.4	4	
	7	1	-	-	1	.2	209	-	1	237	-	1	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		168	147	88	403	100.0	103	63.1	300	195	41.2	403	

Table 361. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Barling Bay, statistical area G021, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	11	6	-	17	68.0	189	21.0	17	239	9.4	17
	5	4	3	-	7	28.0	191	27.0	7	239	9.6	7
5/17- 5/23	6	-	1	-	1	4.0	242	-	1	256	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		15	10	-	25	100.0	192	24.2	25	239	9.7	25

Table 362. Age, sex, and size composition of Pacific herring captured by commercial gill net during the salmon fishery in Ameer Bay, statistical area G022, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-		
	2	-	-	-	-	-	-	-	-	-		
	3	1	1	-	2	5.3	-	-	235	1.4	2	
	4	13	15	-	28	73.7	-	-	226	10.7	28	
	5	1	-	-	1	2.6	-	-	242	-	1	
	6	5	1	-	6	15.8	-	-	237	12.3	6	
	7	1	-	-	1	2.6	-	-	238	-	1	
	8	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	
	10	-	-	-	-	-	-	-	-	-	-	
	11+	-	-	-	-	-	-	-	-	-	-	
Period total		21	17	-	38	100.0	-	-	229	11.4	38	
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.5	71	-	1	178	-	1
	3	1	1	-	2	3.0	147	56.6	2	219	28.3	2
	4	18	21	-	39	58.2	185	25.2	16	236	8.6	39
	5	5	16	-	21	31.3	205	29.6	10	245	8.7	21
	6	1	-	-	1	1.5	155	-	1	224	-	1
	7	1	1	-	2	3.0	-	-	-	247	19.8	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.5	-	-	-	269	-	1
Period total		27	40	-	67	100.0	184	37.7	30	238	13.7	67
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.0	71	-	1	178	-	1
	3	2	2	-	4	3.8	147	56.6	2	227	18.8	4
	4	31	36	-	67	63.8	185	25.2	16	232	10.7	67
	5	6	16	-	22	21.0	205	29.6	10	245	8.5	22
	6	6	1	-	7	6.7	155	-	1	235	12.3	7
	7	2	1	-	3	2.9	-	-	-	244	14.9	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	1.0	-	-	-	269	-	1
Total		48	57	-	105	100.0	184	37.7	30	235	13.5	105

Table 363. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roe fishery in Ameer Bay, statistical area G022, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	25.0	-	-	-	176	4.9	2
	3	-	2	-	2	25.0	-	-	-	211	13.4	2
	4	2	-	-	2	25.0	-	-	-	220	2.1	2
	5	-	1	-	1	12.5	-	-	-	235	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	1	-	1	12.5	-	-	-	255	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		4	4	-	8	100.0	-	-	-	213	27.7	8
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	20	1	-	21	18.6	64	7.0	16	170	5.5	21
	3	3	12	-	15	13.3	116	22.2	9	199	8.9	15
	4	11	17	-	28	24.8	175	32.6	18	226	11.3	28
	5	10	30	-	40	35.4	197	25.9	17	232	11.2	40
	6	1	6	-	7	6.2	252	29.2	5	250	13.5	7
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	1.8	292	-	1	265	2.8	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		45	68	-	113	100.0	153	66.4	66	216	27.6	113
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	22	1	-	23	19.0	64	7.0	16	171	5.6	23
	3	3	14	-	17	14.0	116	22.2	9	201	9.7	17
	4	13	17	-	30	24.8	175	32.6	18	225	11.0	30
	5	10	31	-	41	33.9	197	25.9	17	232	11.1	41
	6	1	6	-	7	5.8	252	29.2	5	250	13.5	7
	7	-	1	-	1	.8	-	-	-	255	-	1
	8	-	2	-	2	1.7	292	-	1	265	2.8	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		49	72	-	121	100.0	153	66.4	66	216	27.5	121

Table 364. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Ugak Bay, statistical areas G050-51, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	-	2	5.0	-	-	-	177	20.5	2
	3	13	13	-	26	65.0	-	-	-	193	8.1	26
	4	1	8	-	9	22.5	-	-	-	212	14.2	9
	5	1	2	-	3	7.5	-	-	-	231	7.6	3
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		16	24	-	40	100.0	-	-	-	199	16.4	40
5/17- 5/23	1	-	-	-	-	-	-	-	-	-	-	-
	2	21	1	-	22	26.2	56	8.3	22	164	9.4	22
	3	25	25	-	50	59.5	104	14.4	50	196	9.3	50
	4	3	2	-	5	6.0	119	38.6	5	207	25.1	5
	5	-	6	-	6	7.1	177	31.0	6	232	13.5	6
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	1.2	209	-	1	237	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		50	34	-	84	100.0	99	37.1	84	191	22.0	84
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	22	2	-	24	19.4	56	8.3	22	165	10.6	24
	3	38	38	-	76	61.3	104	14.4	50	195	9.0	76
	4	4	10	-	14	11.3	119	38.6	5	211	18.0	14
	5	1	8	-	9	7.3	177	31.0	6	231	11.4	9
	6	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	1	.8	209	-	1	237	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		66	58	-	124	100.0	99	37.1	84	194	20.7	124

Table 365. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Inner Ugak Bay, statistical area G051, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	
	2	-	1	1	2	5.1	-	-	195	48.8	2
	3	9	6	-	15	38.5	-	-	194	4.1	15
	4	4	1	-	5	12.8	-	-	208	22.3	5
	5	4	7	-	11	28.2	-	-	233	11.7	11
5/10- 5/16	6	-	3	-	3	7.7	-	-	229	5.7	3
	7	1	2	-	3	7.7	-	-	242	27.7	3
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		18	20	1	39	100.0	-	-	213	23.5	39

Table 366. Age, sex, and size composition of Pacific herring captured by test commercial seine during the sac-roë fishery in Womens Bay, statistical area G060, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	2	-	3	4.2	66	9.1	3	177	7.8	3
	3	12	6	-	18	25.4	105	13.1	18	205	7.2	18
	4	14	14	-	28	39.4	148	29.2	28	223	12.9	28
	5	7	13	-	20	28.2	185	16.6	20	238	6.2	20
	6	2	-	-	2	2.8	169	9.9	2	240	6.4	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	35	-	71	100.0	145	40.1	71	222	18.2	71
5/24- 5/30	1	-	-	47	47	22.6	14	9.0	47	111	23.6	47
	2	4	-	39	43	20.7	49	14.1	42	162	18.5	43
	3	7	4	2	13	6.3	87	21.0	5	199	9.9	13
	4	13	14	-	27	13.0	156	31.5	8	224	10.3	27
	5	40	36	-	76	36.5	185	20.8	42	233	9.0	76
	6	2	-	-	2	1.0	178	-	1	234	4.2	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		66	54	88	208	100.0	85	74.3	145	188	51.3	208
All periods	1	-	-	47	47	16.8	14	9.0	47	111	23.6	47
	2	5	2	39	46	16.5	50	14.4	45	163	18.3	46
	3	19	10	2	31	11.1	101	16.4	23	203	8.8	31
	4	27	28	-	55	19.7	149	29.4	36	224	11.6	55
	5	47	49	-	96	34.4	185	19.5	62	234	8.8	96
	6	4	-	-	4	1.4	172	8.7	3	237	5.4	4
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		102	89	88	279	100.0	105	70.8	216	196	47.6	279

Table 367. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Womens Bay, statistical area G060, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	1	6	7	4.5	150	-	1	217	7.9	7
	4	14	13	35	62	40.0	174	15.3	25	233	7.5	62
	5	20	24	31	75	48.4	183	20.8	41	237	8.3	75
5/ 3- 5/ 9	6	2	1	5	8	5.2	207	14.1	2	238	7.9	8
	7	-	-	2	2	1.3	-	-	-	254	2.1	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	1	1	.6	-	-	-	256	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		36	39	80	155	100.0	180	19.8	69	235	9.3	155

Table 368. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Anton Larsen Bay, statistical area G080, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
4/26- 5/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	2	-	2	6.9	154	25.5	2	224	6.4	2
	4	16	5	-	21	72.4	167	19.8	21	232	7.7	21
	5	3	2	-	5	17.2	172	14.8	5	237	3.6	5
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	1	-	1	3.4	233	-	1	255	-	1
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		19	10	-	29	100.0	169	22.4	29	233	8.5	29
5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	3	-	3	2.9	155	15.6	3	224	7.5	3
	4	37	32	-	69	67.6	163	15.7	65	229	7.1	69
	5	15	6	-	21	20.6	173	16.7	21	233	6.6	21
	6	3	2	-	5	4.9	195	15.6	5	242	7.3	5
	7	1	2	-	3	2.9	212	29.9	3	251	7.6	3
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	1.0	284	-	1	274	-	1
Period total		57	45	-	102	100.0	169	22.8	98	232	9.3	102
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	5	-	5	3.8	155	16.8	5	224	6.2	5
	4	53	37	-	90	68.7	164	16.8	86	230	7.3	90
	5	18	8	-	26	19.8	172	16.1	26	234	6.2	26
	6	3	2	-	5	3.8	195	15.6	5	242	7.3	5
	7	1	3	-	4	3.1	218	26.5	4	252	6.5	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	1	-	-	1	.8	284	-	1	274	-	1
Total		76	55	-	131	100.0	169	22.6	127	232	9.1	131

Table 369. Age, sex, and size composition of Pacific herring captured by test commercial gill net during the sac-roe fishery in Kizhuyak Bay, statistical area G090, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	3	1	-	4	3.0	117	-	1	212	10.2	4
	4	50	33	-	83	62.4	155	11.2	17	225	7.2	83
	5	11	7	-	18	13.5	157	5.7	2	227	8.0	18
4/19- 4/25	6	4	3	-	7	5.3	160	.0	2	235	13.5	7
	7	6	12	-	18	13.5	242	-	1	249	8.8	18
	8	-	1	-	1	.8	221	-	1	245	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	2	-	-	2	1.5	-	-	-	239	11.3	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		76	57	-	133	100.0	160	25.4	24	229	11.8	133

Table 370. Age, sex, and size composition of Pacific herring captured by commercial seine variable mesh gill net during the sac-roe fishery in the Alitak District, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length			
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
5/16- 5/31	1	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	-	
	3	37	23	-	60	15.9	93	13.9	34	193	7.9	60	
	4	70	57	-	127	33.6	123	23.1	78	208	10.1	127	
	5	41	48	-	89	23.5	156	31.1	62	221	11.6	89	
	6	16	14	-	30	7.9	185	28.9	25	230	11.0	30	
	7	21	50	-	71	18.8	209	29.3	68	238	10.7	71	
	8	1	-	-	1	.3	246	-	1	252	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		186	192	-	378	100.0	155	48.4	268	216	18.1	378	
6/ 1- 6/30	1	-	-	-	-	-	-	-	-	-	-	-	
	2	3	-	-	3	3.0	32	3.5	2	141	3.5	3	
	3	3	3	-	6	6.1	94	43.8	6	182	25.7	6	
	4	5	4	-	9	9.1	94	54.4	3	195	19.8	9	
	5	6	11	-	17	17.2	153	34.7	6	215	14.5	17	
	6	10	9	-	19	19.2	177	32.9	13	219	10.9	19	
	7	24	21	-	45	45.5	189	33.9	31	224	10.0	45	
	8	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Period total		51	48	-	99	100.0	163	53.3	61	214	21.8	99	
All periods	1	-	-	-	-	-	-	-	-	-	-	-	
	2	3	-	-	3	.6	32	3.5	2	141	3.5	3	
	3	40	26	-	66	13.8	93	20.2	40	192	10.9	66	
	4	75	61	-	136	28.5	122	24.8	81	207	11.3	136	
	5	47	59	-	106	22.2	156	31.2	68	220	12.2	106	
	6	26	23	-	49	10.3	182	30.2	38	226	12.1	49	
	7	45	71	-	116	24.3	203	32.1	99	232	12.5	116	
	8	1	-	-	1	.2	246	-	1	252	-	1	
	9	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-	-
Total		237	240	-	477	100.0	157	49.3	329	215	18.9	477	

Table 371. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Outer Alitak Bay, statistical area AL10, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	4	1	-	5	19.2	101	15.6	2	184	10.5	5
	4	5	3	-	8	30.8	127	17.3	7	190	6.1	8
	5	6	2	-	8	30.8	143	28.2	6	198	10.7	8
9/13- 9/19	6	2	1	-	3	11.5	161	29.0	2	212	10.7	3
	7	1	1	-	2	7.7	-	-	-	209	.7	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		18	8	-	26	100.0	134	26.5	17	195	12.5	26

Table 372. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Alitak Bay, statistical area AL20, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
5/17- 5/23	1	1	-	-	1	.6	50	-	1	145	-	1
	2	38	23	23	84	46.9	48	10.1	84	150	10.2	84
	3	14	11	4	29	16.2	78	23.9	29	172	17.2	29
	4	22	10	-	32	17.9	109	20.7	32	192	10.4	32
	5	10	12	-	22	12.3	133	29.8	22	204	12.7	22
	6	-	4	1	5	2.8	129	19.0	5	205	15.9	5
	7	3	2	-	5	2.8	172	9.2	5	218	12.2	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.6	190	-	1	255	-	1
Period total		88	63	28	179	100.0	81	41.1	179	172	26.5	179
9/ 6- 9/12	1	-	1	51	52	35.4	39	15.4	45	132	9.6	52
	2	22	29	16	67	45.6	80	26.5	48	168	17.2	67
	3	7	5	1	13	8.8	105	25.1	9	189	9.8	13
	4	6	4	-	10	6.8	118	17.9	8	196	8.5	10
	5	2	2	-	4	2.7	148	31.2	3	203	5.3	4
	6	1	-	-	1	.7	220	-	1	236	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		38	41	68	147	100.0	71	39.0	114	160	27.4	147
9/13- 9/19	1	-	-	-	-	-	-	-	-	-	-	-
	2	4	13	-	17	27.0	66	7.6	9	170	7.1	17
	3	9	15	-	24	38.1	100	22.2	14	178	12.8	24
	4	9	6	-	15	23.8	100	15.5	11	187	7.2	15
	5	4	2	-	6	9.5	141	16.6	5	195	10.2	6
	6	-	1	-	1	1.6	150	-	1	205	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		26	37	-	63	100.0	99	28.4	40	180	13.0	63
All periods	1	1	1	51	53	13.6	39	15.3	46	132	9.7	53
	2	64	65	39	168	43.2	60	23.0	141	159	16.1	168
	3	30	31	5	66	17.0	89	26.1	52	177	15.6	66
	4	37	20	-	57	14.7	108	19.7	51	192	9.6	57
	5	16	16	-	32	8.2	136	27.8	30	202	11.9	32
	6	1	5	1	7	1.8	145	37.4	7	209	17.5	7
	7	3	2	-	5	1.3	172	9.2	5	218	12.2	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	.3	190	-	1	255	-	1
Total		152	141	96	389	100.0	80	39.8	333	169	26.1	389

Table 373. Age, sex, and size composition of Pacific herring captured by shrimp trawl during the shrimp survey in Deadman Bay, statistical area AL21, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	1	-	1	6.7	120	-	1	196	-	1
9/13- 9/19	5	1	2	-	3	20.0	181	15.6	2	212	10.6	3
	6	5	4	-	9	60.0	192	20.3	6	219	10.2	9
	7	1	1	-	2	13.3	165	-	1	215	.0	2
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		7	8	-	15	100.0	180	27.8	10	215	10.6	15

Table 374. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Sulua Bay, statistical area AL30, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	36	23	-	59	22.4	92	13.5	33	193	8.0	59
	4	62	56	-	118	44.9	121	17.2	69	207	9.0	118
5/17- 5/23	5	29	43	-	72	27.4	146	25.8	45	218	10.2	72
	6	5	3	-	8	3.0	179	18.7	3	229	9.9	8
	7	2	4	-	6	2.3	195	17.5	3	239	4.2	6
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		134	129	-	263	100.0	125	29.9	153	208	14.1	263

Table 375. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Upper Olga Bay, statistical area AL50, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
5/24- 5/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	.9	115	-	1	197	-	1
	4	8	1	-	9	7.8	139	48.0	9	213	19.0	9
	5	12	5	-	17	14.8	184	27.3	17	230	12.9	17
	6	11	11	-	22	19.1	186	30.2	22	230	11.5	22
	7	19	46	-	65	56.5	210	29.6	65	238	11.1	65
	8	1	-	-	1	.9	246	-	1	252	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		52	63	-	115	100.0	195	37.6	115	233	14.2	115
6/ 7- 6/13	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	3.0	32	3.5	2	141	3.5	3
	3	3	3	-	6	6.1	94	43.8	6	182	25.7	6
	4	5	4	-	9	9.1	94	54.4	3	195	19.8	9
	5	6	11	-	17	17.2	153	34.7	6	215	14.5	17
	6	10	9	-	19	19.2	177	32.9	13	219	10.9	19
	7	24	21	-	45	45.5	189	33.9	31	224	10.0	45
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		51	48	-	99	100.0	163	53.3	61	214	21.8	99
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	1.4	32	3.5	2	141	3.5	3
	3	4	3	-	7	3.3	97	40.8	7	184	24.2	7
	4	13	5	-	18	8.4	128	51.2	12	204	21.1	18
	5	18	16	-	34	15.9	176	31.8	23	222	15.5	34
	6	21	20	-	41	19.2	183	31.1	35	225	12.4	41
	7	43	67	-	110	51.4	203	32.4	96	232	12.7	110
	8	1	-	-	1	.5	246	-	1	252	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		103	111	-	214	100.0	184	46.1	176	224	20.5	214

Table 376. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
5/24- 5/30	5	2	-	-	2	5.3	164	2.8	2	228	7.8	2
	6	4	2	-	6	15.8	186	16.1	6	240	9.4	6
	7	19	11	-	30	78.9	193	37.9	30	236	13.8	30
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		25	13	-	38	100.0	190	34.7	38	236	13.0	38

Table 377. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the sac-roë fishery in Upper Olga Bay, statistical area AL50, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	

5/10- 5/16	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	7	4	-	11	20.8	-	-	-	208	10.7	11
	5	4	2	-	6	11.3	-	-	-	220	13.8	6
	6	7	3	-	10	18.9	-	-	-	233	10.7	10
	7	20	5	-	25	47.2	-	-	-	240	16.3	25
	8	1	-	-	1	1.9	-	-	-	245	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		39	14	-	53	100.0	-	-	-	230	18.7	53

5/24- 5/30	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	4	6	-	10	100.0	222	38.0	10	245	12.4	10
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		4	6	-	10	100.0	222	38.0	10	245	12.4	10

6/ 7- 6/13	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	3.9	50	5.0	3	159	7.0	3
	3	1	1	-	2	2.6	107	46.0	2	190	22.6	2
	4	-	3	-	3	3.9	123	15.5	3	205	8.7	3
	5	9	4	-	13	16.9	157	34.4	11	219	18.1	13
	6	10	15	-	25	32.5	191	32.7	24	228	11.6	25
	7	11	18	-	29	37.7	200	36.1	28	236	15.7	29
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	2	-	2	2.6	234	50.2	2	241	12.7	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Period total		34	43	-	77	100.0	179	49.0	73	225	21.9	77

All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	3	-	-	3	2.1	50	5.0	3	159	7.0	3
	3	1	1	-	2	1.4	107	46.0	2	190	22.6	2
	4	7	7	-	14	10.0	123	15.5	3	208	10.1	14
	5	13	6	-	19	13.6	157	34.4	11	219	16.5	19
	6	17	18	-	35	25.0	191	32.7	24	230	11.5	35
	7	35	29	-	64	45.7	206	37.5	38	239	15.6	64
	8	1	-	-	1	.7	-	-	-	245	-	1
	9	-	2	-	2	1.4	234	50.2	2	241	12.7	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-

Total		77	63	-	140	100.0	184	49.7	83	229	20.8	140

Table 378. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in the Mainland District, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
4/15- 4/30	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	7	9	-	16	15.4	78	26.7	16	179	15.1	16
	4	25	39	-	64	61.5	116	21.0	64	201	10.7	64
	5	8	1	-	9	8.7	131	20.1	9	209	11.3	9
	6	1	2	-	3	2.9	201	20.2	3	235	8.6	3
	7	3	5	-	8	7.7	177	22.0	8	226	9.5	8
	8	1	2	-	3	2.9	203	14.4	3	234	6.1	3
	9	1	-	-	1	1.0	268	-	1	254	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		46	58	-	104	100.0	123	39.9	104	202	18.4	104
5/ 1- 5/15	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.4	54	5.7	2	157	.7	2
	3	36	24	8	68	12.7	91	20.4	20	186	10.3	68
	4	148	166	3	317	56.7	120	21.1	181	202	10.2	317
	5	70	62	-	132	23.6	145	29.8	90	213	12.2	132
	6	10	7	-	17	3.0	174	40.0	13	221	15.4	17
	7	3	7	-	10	1.8	196	10.1	6	230	5.2	10
	8	3	9	-	12	2.1	218	32.3	9	235	11.5	12
	9	-	1	-	1	.2	183	-	1	221	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		272	276	11	559	100.0	131	35.1	322	204	15.1	559
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	2	.3	54	5.7	2	157	.7	2
	3	43	33	8	84	12.7	85	23.9	36	184	11.6	84
	4	173	205	3	381	57.5	119	21.1	245	202	10.3	381
	5	78	63	-	141	21.3	143	29.2	99	213	12.2	141
	6	11	9	-	20	3.0	179	38.1	16	223	15.3	20
	7	6	12	-	18	2.7	185	19.8	14	228	7.5	18
	8	4	11	-	15	2.3	214	29.0	12	235	10.5	15
	9	1	1	-	2	.3	226	60.1	2	238	23.3	2
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Total		318	334	11	663	100.0	129	36.5	426	204	15.7	663

Table 379. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kukak Bay, statistical area M020, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	7	9	-	16	15.4	78	26.7	16	179	15.1	16
	4	25	39	-	64	61.5	116	21.0	64	201	10.7	64
	5	8	1	-	9	8.7	131	20.1	9	209	11.3	9
4/26- 5/ 2	6	1	2	-	3	2.9	201	20.2	3	235	8.6	3
	7	3	5	-	8	7.7	177	22.0	8	226	9.5	8
	8	1	2	-	3	2.9	203	14.4	3	234	6.1	3
	9	1	-	-	1	1.0	268	-	1	254	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		46	58	-	104	100.0	123	39.9	104	202	18.4	104

Table 380. Age, sex, and size composition of Pacific herring captured by commercial gill net during the sac-roe fishery in Kukak Bay, statistical area M020, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
	4	7	20	-	27	33.8	133	12.6	9	211	10.2	27
5/ 3- 5/ 9	5	16	18	-	34	42.5	147	14.0	12	216	10.2	34
	6	5	2	-	7	8.8	183	24.8	4	229	16.5	7
	7	1	6	-	7	8.8	208	20.5	2	231	11.2	7
	8	1	3	-	4	5.0	225	24.0	2	239	11.3	4
	9	1	-	-	1	1.3	216	-	1	251	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		31	49	-	80	100.0	159	33.7	30	218	13.9	80

Table 381. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roë fishery in Halferdy Bay, statistical area M040, 1981.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight		Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured	
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	13	14	6	33	26.0	-	-	187	9.7	33
	4	35	39	2	76	59.8	-	-	204	9.0	76
	5	13	5	-	18	14.2	-	-	216	7.0	18
5/10- 5/16	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		61	58	8	127	100.0	-	-	201	12.9	127

Table 382. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Kashvick Bay, statistical area M050, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	2	-	-	2	1.2	54	5.7	2	157	.7	2
	3	11	3	2	16	9.7	95	19.1	11	187	10.1	16
	4	44	47	-	91	55.2	121	22.7	60	201	11.5	91
	5	18	22	-	40	24.2	144	29.5	23	212	11.7	40
5/ 3- 5/ 9	6	3	1	-	4	2.4	152	58.0	2	212	16.6	4
	7	2	4	-	6	3.6	198	12.9	3	228	3.3	6
	8	2	4	-	6	3.6	213	6.2	3	236	5.7	6
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		82	81	2	165	100.0	128	35.0	104	204	16.0	165

Table 383. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Alinchak Bay, statistical area M070, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	11	2	-	13	11.9	76	14.1	3	179	6.8	13
	4	32	37	-	69	63.3	126	17.2	40	203	7.9	69
	5	9	12	-	21	19.3	146	17.5	14	211	8.6	21
5/ 3- 5/ 9	6	2	1	-	3	2.8	158	-	1	222	8.5	3
	7	1	1	-	2	1.8	204	-	1	236	6.4	2
	8	-	1	-	1	.9	176	-	1	220	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		55	54	-	109	100.0	131	25.1	60	203	13.2	109

Table 384. Age, sex, and size composition of Pacific herring captured by commercial seine during the sac-roe fishery in Wide Bay, statistical area M110, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	5	-	6	3.8	91	24.6	6	191	14.9	6
	4	37	43	1	81	51.3	117	21.3	81	202	11.4	81
	5	30	23	-	53	33.5	144	32.8	53	214	14.9	53
5/ 3- 5/ 9	6	5	5	-	10	6.3	180	39.7	10	224	16.3	10
	7	-	2	-	2	1.3	190	5.7	2	228	7.8	2
	8	1	4	-	5	3.2	229	38.4	5	238	16.0	5
	9	-	1	-	1	.6	183	-	1	221	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		74	83	1	158	100.0	134	38.4	158	208	16.1	158

Table 385. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Raspberry St., statistical area A010, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
	1	-	-	-	-	-	-	-	-	-	-	-
	2	5	5	3	13	5.3	40	8.5	13	141	9.7	13
	3	48	58	1	107	43.7	81	19.3	98	174	10.6	107
	4	2	3	-	5	2.0	108	19.3	4	192	8.4	5
	5	17	22	-	39	15.9	160	30.6	38	214	12.8	39
11/ 6	6	8	11	-	19	7.8	198	22.3	18	227	7.4	19
	7	15	13	-	28	11.4	211	41.4	28	231	11.5	28
	8	6	2	-	8	3.3	225	16.4	8	235	4.5	8
	9	4	7	-	11	4.5	238	68.9	11	236	22.5	11
	10	-	6	-	6	2.4	286	39.1	6	251	8.7	6
	11+	4	5	-	9	3.7	329	39.0	9	256	9.1	9
Period total		109	132	4	245	100.0	144	80.4	233	199	32.8	245

Table 386. Age, sex, and size composition of Pacific herring captured by ADF&G trawl during the food/bait fishery in Malina Bay, statistical area A020, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured
1/24	1	26	32	44	102	10.2	39	8.1	102	149	9.2	102
	2	261	267	11	539	53.8	74	16.1	538	177	10.7	538
	3	19	18	-	37	3.7	114	22.2	37	199	14.2	37
	4	70	65	-	135	13.5	150	25.0	135	217	9.2	135
	5	34	44	-	78	7.8	167	26.5	78	220	24.8	78
	6	26	28	-	54	5.4	191	31.4	54	230	10.8	54
	7	8	15	-	23	2.3	215	20.9	23	237	6.5	23
	8	11	11	-	22	2.2	229	33.3	22	242	10.7	22
	9	5	3	-	8	.8	255	26.3	8	247	9.5	8
	10	2	2	-	4	.4	264	42.4	4	254	11.2	4
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		462	485	55	1002	100.0	104	57.0	1001	190	28.7	1001
1/31	1	12	6	8	26	5.3	42	8.2	26	154	7.6	24
	2	155	138	4	297	60.5	80	19.4	296	180	10.1	230
	3	8	19	-	27	5.5	112	19.8	27	201	11.5	26
	4	38	38	-	76	15.5	155	44.4	76	217	7.7	55
	5	16	18	-	34	6.9	166	29.1	34	227	19.2	27
	6	11	9	-	20	4.1	203	30.7	20	235	8.7	12
	7	3	2	-	5	1.0	225	43.4	5	238	10.6	2
	8	-	2	-	2	.4	244	6.4	2	247	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	1	-	1	.2	262	-	1	254	-	1
	11+	-	3	-	3	.6	283	23.1	3	257	14.4	3
Period total		243	236	12	491	100.0	106	52.6	490	192	24.1	381
All periods	1	38	38	52	128	8.6	39	8.2	128	150	9.1	126
	2	416	405	15	836	56.0	76	17.6	834	178	10.7	768
	3	27	37	-	64	4.3	113	21.1	64	200	13.1	63
	4	108	103	-	211	14.1	151	33.3	211	217	8.8	190
	5	50	62	-	112	7.5	167	27.2	112	222	23.6	105
	6	37	37	-	74	5.0	194	31.4	74	231	10.6	66
	7	11	17	-	28	1.9	217	25.5	28	237	6.6	25
	8	11	13	-	24	1.6	230	32.1	24	242	10.5	23
	9	5	3	-	8	.5	255	26.3	8	247	9.5	8
	10	2	3	-	5	.3	264	36.7	5	254	9.7	5
	11+	-	3	-	3	.2	283	23.1	3	257	14.4	3
Total		705	721	67	1493	100.0	105	55.6	1491	191	27.5	1382

Table 387. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Kupreanof St., statistical area UG10, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number	Mean (mm)	Std. Number	Dev. Weighed	Dev. Measured	
12/ 6	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	10	8	-	18	14.6	76	8.2	18	176	6.3	18
	4	1	-	-	1	.8	106	-	1	191	-	1
	5	9	9	-	18	14.6	178	19.1	18	222	6.8	18
	6	9	7	-	16	13.0	206	23.1	16	231	9.0	16
	7	9	12	-	21	17.1	242	20.0	21	239	7.9	21
	8	8	8	-	16	13.0	252	31.0	16	243	8.8	16
	9	9	8	-	17	13.8	259	30.6	17	246	7.7	17
	10	4	6	-	10	8.1	282	32.9	10	251	5.2	10
	11+	2	4	-	6	4.9	288	31.5	6	251	7.0	6
Period total		61	62	-	123	100.0	212	69.9	123	229	25.2	123

Table 388. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Spiridon Bay, statistical area UY50, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight of Total (gm)	Weight		Std. Length		
		Male	Female	Unknown			Mean	Std. Number	Mean	Std. Number	
						(gm)	Dev. Weighed	(mm)	Dev. Measured		
11/ 9	1	-	-	-	-	-	-	-	-	-	
	2	5	2	4	11	13.6	-	-	150	4.9	11
	3	27	19	2	48	59.3	-	-	176	17.6	48
	4	1	-	-	1	1.2	-	-	195	-	1
	5	-	1	-	1	1.2	-	-	213	-	1
	6	1	3	1	5	6.2	-	-	228	7.1	5
	7	5	9	-	14	17.3	-	-	227	7.9	14
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	1	1.2	-	-	254	-	1
	11+	-	-	-	-	-	-	-	-	-	-
Period total		40	34	7	81	100.0	-	-	186	29.9	81

Table 389. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Outer Alitak Bay, statistical area AL20, 1985.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	
9/25	1	2	-	14	16	28.6	38	6.8	16	140	7.7	16
	2	11	25	3	39	69.6	77	16.3	39	172	12.3	39
	3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	1	-	1	1.8	118	-	1	200	-	1
	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		13	26	17	56	100.0	66	23.6	56	164	18.8	56

Table 390. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Deadman Bay, statistical area AL21, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length				
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
11/28	1	-	-	-	-	-	-	-	-	-		
	2	1	2	-	3	3.8	38	1.5	3	160	19.7	3
	3	17	27	-	44	56.4	97	23.6	44	187	9.9	44
	4	4	1	-	5	6.4	117	19.3	5	197	10.7	5
	5	8	5	-	13	16.7	136	33.2	13	212	9.2	13
	6	1	2	-	3	3.8	158	11.1	3	216	3.6	3
	7	3	2	-	5	6.4	165	50.3	5	214	20.0	5
	8	-	-	-	-	-	-	-	-	-	-	-
	9	2	1	-	3	3.8	203	23.3	3	229	3.1	3
	10	1	1	-	2	2.6	174	60.1	2	240	2.1	2
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	41	-	78	100.0	115	42.6	78	196	19.4	78

Table 391. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Shelikof Strait, statistical area A050, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
1/29	1	-	-	-	-	-	-	-	-	-	-	
	2	1	1	-	2	2.3	70	11.3	2	177	2.8	2
	3	2	8	-	10	11.6	108	22.4	10	199	11.2	10
	4	8	7	-	15	17.4	140	34.1	15	214	15.2	15
	5	10	9	-	19	22.1	162	22.2	19	226	7.4	19
	6	3	2	-	5	5.8	200	9.1	5	237	4.6	5
	7	6	10	-	16	18.6	208	30.8	16	240	10.8	16
	8	6	4	-	10	11.6	234	25.9	10	249	9.4	10
	9	-	3	-	3	3.5	230	5.7	3	244	4.0	3
	10	4	1	-	5	5.8	246	25.2	5	253	4.3	5
	11+	1	-	-	1	1.2	245	-	1	246	-	1
Period total		41	45	-	86	100.0	177	52.6	86	228	20.6	86
1/31	1	-	-	-	-	-	-	-	-	-	-	-
	2	1	1	-	2	2.0	84	11.3	2	184	6.4	2
	3	4	11	-	15	15.3	120	16.5	15	203	8.5	15
	4	8	9	-	17	17.3	143	22.0	17	214	9.5	17
	5	8	16	-	24	24.5	176	23.3	24	228	8.8	24
	6	4	8	-	12	12.2	185	24.5	12	230	4.0	12
	7	5	13	-	18	18.4	206	27.0	18	236	8.6	18
	8	4	1	-	5	5.1	206	34.4	5	236	10.7	5
	9	-	-	-	-	-	-	-	-	-	-	-
	10	3	2	-	5	5.1	256	7.3	5	251	9.8	5
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	61	-	98	100.0	172	43.4	98	224	16.2	98
All periods	1	-	-	-	-	-	-	-	-	-	-	-
	2	2	2	-	4	2.2	77	12.3	4	180	5.5	4
	3	6	19	-	25	13.6	115	19.5	25	201	9.7	25
	4	16	16	-	32	17.4	141	27.9	32	214	12.3	32
	5	18	25	-	43	23.4	170	23.7	43	227	8.2	43
	6	7	10	-	17	9.2	189	22.0	17	232	5.3	17
	7	11	23	-	34	18.5	207	28.4	34	238	9.8	34
	8	10	5	-	15	8.2	225	30.8	15	245	11.3	15
	9	-	3	-	3	1.6	230	5.7	3	244	4.0	3
	10	7	3	-	10	5.4	251	18.3	10	252	7.3	10
	11+	1	-	-	1	.5	245	-	1	246	-	1
Total		78	106	-	184	100.0	174	47.8	184	226	18.5	184

Table 392. Age, sex, and size composition of Pacific herring captured by commercial during the food/bait fishery in Uganik Bay, statistical area UG40, 1985.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Leng			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Me		
1/ 2	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	1	-	1	1.0	116	-	1	200	-	
	4	1	5	-	6	6.1	171	21.1	6	224	11.6	
	5	6	16	-	22	22.2	200	28.6	22	228	8.8	
	6	4	11	-	15	15.2	205	19.1	15	233	5.3	
	7	5	17	-	22	22.2	226	20.3	22	239	5.4	
	8	3	6	-	9	9.1	258	14.3	9	245	3.9	
	9	5	8	-	13	13.1	263	16.1	13	247	6.3	
	10	5	2	-	7	7.1	265	16.4	7	253	6.1	
	11+	1	3	-	4	4.0	288	27.8	4	253	9.0	
Period total		30	69	-	99	100.0	226	38.7	99	237	11.8	9
2/21	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	9	11	-	20	16.3	119	16.0	20	200	8.7	
	4	5	5	-	10	8.1	140	24.7	10	211	11.4	
	5	13	14	-	27	22.0	170	29.9	27	222	10.4	
	6	2	11	-	13	10.6	201	28.9	13	232	9.7	
	7	10	20	-	30	24.4	214	33.5	30	236	13.3	
	8	1	6	-	7	5.7	235	19.4	7	242	6.6	
	9	3	5	-	8	6.5	231	34.2	8	245	10.8	
	10	-	5	-	5	4.1	261	19.5	5	245	12.2	
	11+	1	2	-	3	2.4	254	22.8	3	250	2.5	
Period total		44	79	-	123	100.0	187	50.1	123	226	18.4	12
All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	9	12	-	21	9.5	119	15.6	21	200	8.5	
	4	6	10	-	16	7.2	152	27.5	16	216	12.8	
	5	19	30	-	49	22.1	183	32.6	49	225	10.0	
	6	6	22	-	28	12.6	203	23.8	28	232	7.5	
	7	15	37	-	52	23.4	219	29.1	52	237	10.8	
	8	4	12	-	16	7.2	248	19.8	16	244	5.2	
	9	8	13	-	21	9.5	251	28.8	21	246	8.1	
	10	5	7	-	12	5.4	263	17.0	12	250	9.6	
	11+	2	5	-	7	3.2	274	29.8	7	251	6.7	
Total		74	148	-	222	100.0	204	49.3	222	231	16.7	22

Table 393. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Viokoda Bay, statistical area UG20, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
12/11	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	1	1	-	2	2.4	144	.7	2	212		2
	4	2	2	-	4	4.7	183	65.0	4	226	26.9	4
	5	7	11	-	18	21.2	197	20.3	18	233	7.6	18
	6	6	6	-	12	14.1	197	41.6	12	234	15.5	12
	7	8	13	-	21	24.7	233	31.1	21	246	6.5	21
	8	6	10	-	16	18.8	247	27.4	16	250	7.1	16
	9	6	1	-	7	8.2	254	60.0	7	243	19.7	7
	10	1	4	-	5	5.9	281	35.3	5	261	9.2	5
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		37	48	-	85	100.0	223	45.0	85	241	14.7	85

Table 394. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Terror Bay, statistical area UG21, 1984.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
2/17	1	-	-	-	-	-	-	-	-	-	-	
	2	1	-	-	1	1.1	-	-	144	-	1	
	3	14	7	-	21	23.9	78	17.7	4	178	10.4	21
	4	18	16	-	34	38.6	111	18.9	20	197	9.5	34
	5	9	3	-	12	13.6	122	27.1	6	205	8.7	12
	6	11	4	-	15	17.0	147	21.2	6	214	11.2	15
	7	1	2	-	3	3.4	159	36.2	3	220	9.0	3
	8	-	1	-	1	1.1	202	-	1	237	-	1
	9	-	1	-	1	1.1	118	-	1	198	-	1
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		54	34	-	88	100.0	120	32.0	41	197	17.5	88

Table 395. Age, sex, and size composition of Pacific herring captured by commercial gill net during the food/bait fishery in Kupreanof Straits, statistical area UG10, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Mean Total (gm)	Weight		Std. Length			
		Male	Female	Unknown			Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	6	4	-	10	50.0	153	13.5	10	226	4.5	10
	5	4	1	-	5	25.0	162	39.7	5	226	12.0	5
8/21- 8/27	6	1	2	-	3	15.0	181	8.7	3	246	8.7	3
	7	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	1	5.0	223	-	1	261	-	1
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	1	-	1	5.0	221	-	1	261	-	1
Period total		12	8	-	20	100.0	167	29.7	20	233	14.0	20

Table 396. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Mary Anderson Cove, statistical area A100, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev.	Number Measured	
9/29	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	3	2	-	5	35.7	178	40.5	5	226	8.0	5
	5	2	1	-	3	21.4	222	24.7	3	232	5.8	3
	6	-	1	-	1	7.1	213	-	1	245	-	1
	7	-	-	-	-	-	-	-	-	-	-	-
	8	2	-	-	2	14.3	243	31.1	2	239	19.8	2
	9	1	1	-	2	14.3	247	9.2	2	248	3.5	2
	10	1	-	-	1	7.1	280	-	1	250	-	1
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		9	5	-	14	100.0	216	42.6	14	235	11.9	14

Table 397. Age, sex, and size composition of Pacific herring captured by commercial trawl during the food/bait fishery in Uyak Bay, statistical area UY30, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
2/ 9	1	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	
	3	1	1	-	2	4.3	-	-	196	21.2	2
	4	19	22	-	41	87.2	-	-	206	6.4	41
	5	3	1	-	4	8.5	-	-	206	3.1	4
	6	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		23	24	-	47	100.0	-	-	205	7.0	47

Table 398. Age, sex, and size composition of Pacific herring captured by commercial seine during the food/bait fishery in Spiridon Bay, statistical area UY50, 1983.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length		
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-
	3	15	10	-	25	32.9	86	13.0	12	185	9.0
	4	19	23	-	42	55.3	116	13.1	19	202	8.4
2/15	5	1	3	-	4	5.3	113	17.0	4	200	10.1
	6	2	3	-	5	6.6	120	10.6	4	204	7.7
	7	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-
Period total		37	39	-	76	100.0	107	19.3	39	196	11.6

Table 399. Age, sex, and size composition of Pacific herring captured by commercial gill net during the food/bait fishery in Zachar Bay, statistical area UY40, 1982.

Sample Period	Age (years)	Sex			Total	Percent of Total	Weight			Std. Length		
		Male	Female	Unknown			Mean (gm)	Std. Dev.	Number Weighed	Mean (mm)	Std. Dev. Measured	

7/11- 7/17	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	1	-	-	1	11.1	119	-	1	187	-	1
	5	1	-	-	1	11.1	158	-	1	211	-	1
	6	-	1	-	1	11.1	183	-	1	249	-	1
	7	2	2	-	4	44.4	173	21.7	4	225	2.9	4
	8	-	-	-	-	-	-	-	-	-	-	-
	9	1	1	-	2	22.2	184	64.3	2	232	14.8	2
	10	-	-	-	-	-	-	-	-	-	-	-
11+	-	-	-	-	-	-	-	-	-	-	-	

Period total		5	4	-	9	100.0	169	33.2	9	223	17.8	9

7/18- 7/24	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	-	-	
	5	-	1	-	1	9.1	171	-	1	223	-	1
	6	-	1	-	1	9.1	183	-	1	217	-	1
	7	4	1	-	5	45.5	165	11.8	5	226	4.2	5
	8	-	1	-	1	9.1	158	-	1	225	-	1
	9	-	2	-	2	18.2	206	9.9	2	235	2.1	2
	10	-	-	-	-	-	-	-	-	-	-	-
11+	1	-	-	1	9.1	244	-	1	263	-	1	

Period total		5	6	-	11	100.0	181	27.9	11	230	12.4	11

7/25- 7/31	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	16.7	112	-	1	199	-	1
	4	-	-	-	-	-	-	-	-	-	-	
	5	-	1	-	1	16.7	192	-	1	225	-	1
	6	-	2	-	2	33.3	215	24.0	2	230	3.5	2
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	2	-	2	33.3	219	43.1	2	234	9.2	2
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
11+	-	-	-	-	-	-	-	-	-	-	-	

Period total		1	5	-	6	100.0	195	47.4	6	225	13.8	6

All periods	1	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-	-	-	-	
	3	1	-	-	1	3.8	112	-	1	199	-	1
	4	1	-	-	1	3.8	119	-	1	187	-	1
	5	1	2	-	3	11.5	174	17.2	3	220	7.6	3
	6	-	4	-	4	15.4	199	23.1	4	231	13.4	4
	7	6	3	-	9	34.6	168	16.2	9	225	3.4	9
	8	-	3	-	3	11.5	198	46.4	3	231	8.1	3
	9	1	3	-	4	15.4	195	39.8	4	233	8.8	4
	10	-	-	-	-	-	-	-	-	-	-	-
11+	1	-	-	1	3.8	244	-	1	263	-	1	

Total		11	15	-	26	100.0	180	34.9	26	226	14.5	26

Table 400. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the food/bait fishery in Pauls Bay, statistical area A070, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight		Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured		
	1	-	-	-	-	-	-	-	-	-	
	2	-	-	1	1	2.2	-	-	161	-	1
	3	-	-	5	5	11.1	-	-	192	12.0	5
	4	-	-	25	25	55.6	-	-	206	13.0	25
6/28- 7/ 4	5	-	-	5	5	11.1	-	-	213	10.7	5
	6	-	-	1	1	2.2	-	-	244	-	1
	7	-	-	2	2	4.4	-	-	220	10.6	2
	8	-	-	5	5	11.1	-	-	233	15.7	5
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11+	-	-	1	1	2.2	-	-	252	-	1
Period total		-	-	45	45	100.0	-	-	210	19.4	45

Table 401. Age, sex, and size composition of Pacific herring captured by variable mesh gill net during the food/bait fishery in Kitoi Bay, statistical area A090, 1981.

Sample Period	Age (years)	Sex			Percent of Total	Weight			Std. Length			
		Male	Female	Unknown		Mean (gm)	Std. Number Dev. Weighed	Mean (mm)	Std. Number Dev. Measured			
	1	-	-	-	-	-	-	-	-	-	-	
	2	4	4	-	8	72.7	74	13.8	8	178	9.6	8
	3	1	1	-	2	18.2	107	2.8	2	200	.7	2
	4	-	1	-	1	9.1	125	-	1	202	-	1
	5	-	-	-	-	-	-	-	-	-	-	-
6/21- 6/27	6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11+	-	-	-	-	-	-	-	-	-	-	-
Period total		5	6	-	11	100.0	84	22.3	11	184	13.3	11

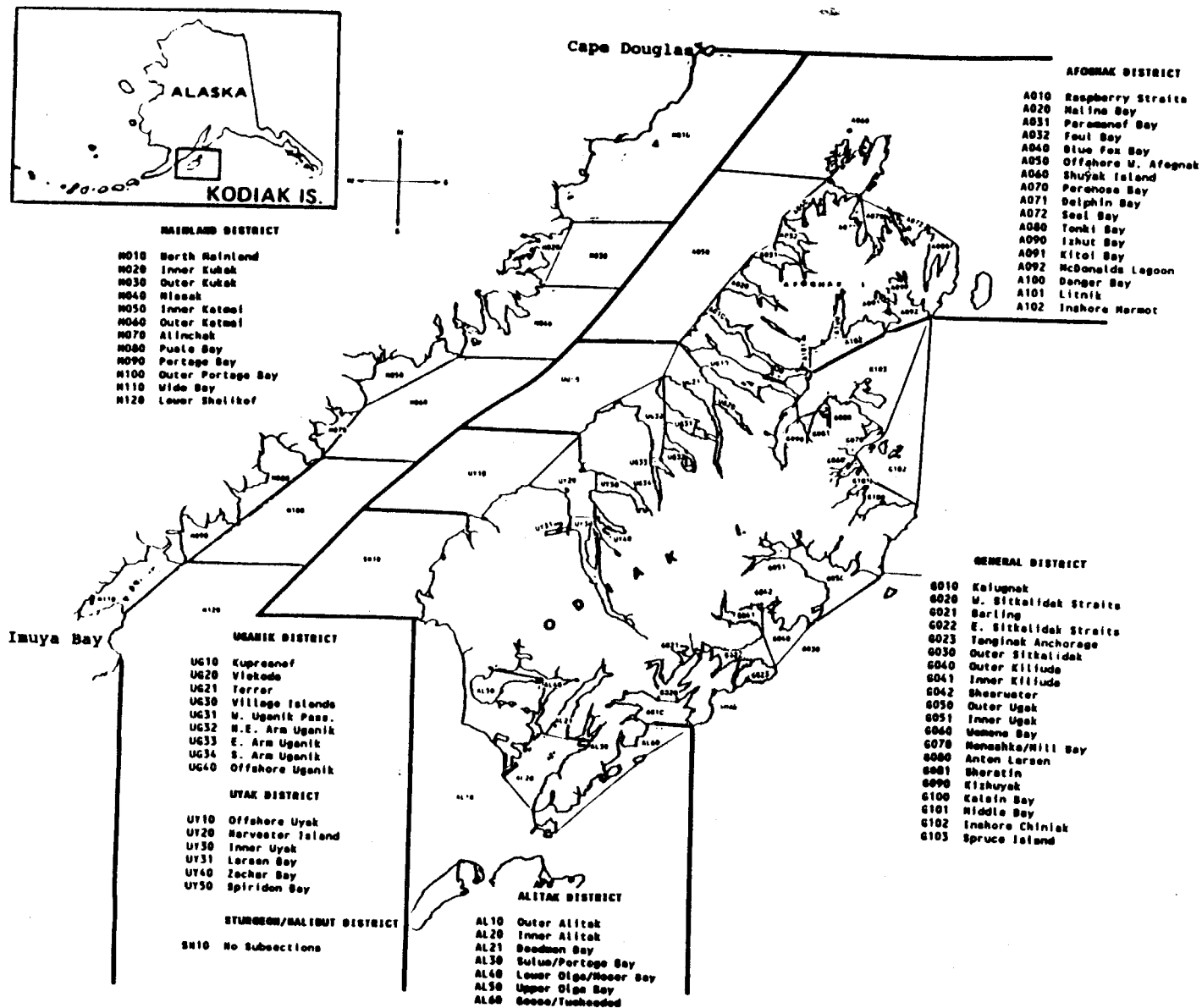


Figure 1. Kodiak area Pacific herring commercial fishing districts and statistical areas, 1985-87.

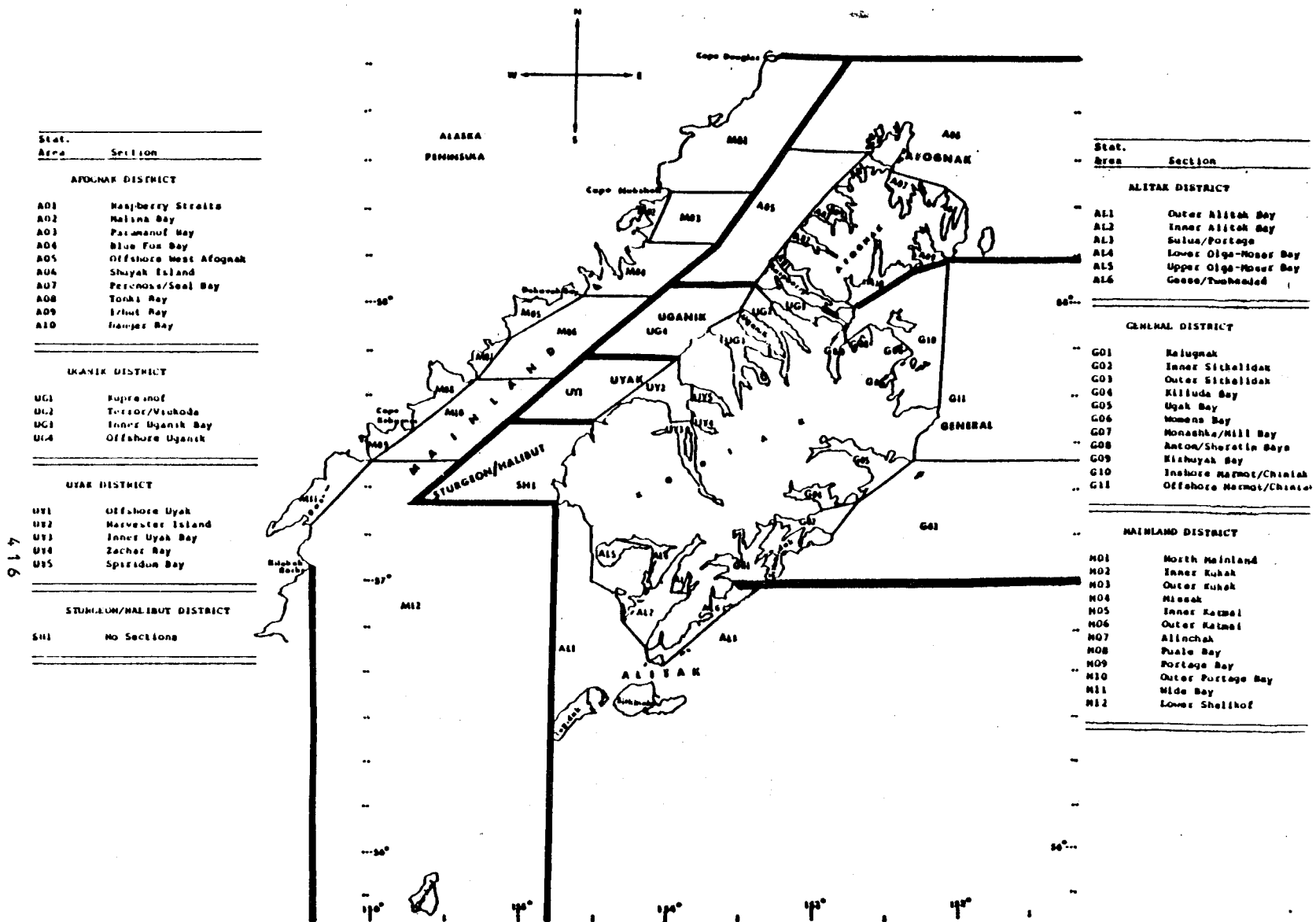


Figure 3. Kodiak area Pacific herring commercial fishing districts and statistical areas, 1981-84.

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