CONVERSION TABLES FOR COMMERCIALLY IMPORTANT PENAEID SHRIMP OF THE GULF OF MEXICO[1/]

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ABSTRACT

Tables are divided by classifications commonly used by the industry to designate landings of whole or headless brown (Penaeus aztecus), white (P. setiferus), and pink (P. duorarum) shrimp. Data presented by sex and sexes combined for each species include shrimp that range from 70 to 235 mm total length.

Shrimp measurements often must be converted from one form to another during fishery research. Such conversions may require considerable time and effort that could be better utilized. Material presented here provides conversions for measurements commonly used for brown shrimp, Penaeus aztecus, white shrimp, P. setiferus, and pink shrimp, P. duorarum. The tables were constructed from equations given by Fontaine and Neal (in press) and by Kutkuhn (1962).

The tables are divided by classifications commonly used by the industry to designate landings of whole or headless shrimp. The heads-on category (Table 1) included total length (measured from the tip of the telson to the tip of the rostrum), total weight (the weight of the entire shrimp), and number of whole shrimp per pound. The heads-off group (Table 2) includes tail length (measured from the tip of the telson to the anterior margin of the first abdominal segment), tail weight (the weight of the abdominal portion), and number of headless shrimp per pound.

LITERATURE CITED

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for brown, white and pink shrimp.

Total length	Brown				White				Pink			
	Total weight			Number per pound	Total weight			Number per pound	Total weight			Number per pound
	Male	Female	Sexes combined		Male	Female	Sexes combined		Male	Female	Sexes combined	
70	2.7	2.8	2.8	162.0	2.1	2.2	2.1	216.0	3.0	3.0	3.0	151.2
71	2.8	3.0	2.9	156.4	2.2	2.2	2.2	206.2	3.1	3.1	3.1	146.3
72	3.0	3.1	3.0	151.2	2.3	2.4	2.3	197.2	3.2	3.3	3.3	137.4
73	3.1	3.2	3.1	146.3	2.4	2.5	2.4	189.0	3.4	3.4	3.4	133.4
74	3.2	3.3	3.3	137.4	2.5	2.6	2.5	181.4	3.5	3.6	3.5	129.6
75	3.3	3.5	3.4	133.4	2.6	2.7	2.6	174.5	3.7	3.7	3.7	122.6
76	3.5	3.6	3.5	129.6	2.8	2.8	2.8	162.0	3.8	3.9	3.8	119.4
77	3.6	3.8	3.7	122.6	2.9	2.9	2.9	156.4	4.0	4.0	4.0	113.4
78	3.7	3.9	3.8	119.4	3.0	3.0	3.0	151.2	4.1	4.2	4.2	108.0
79	3.9	4.0	4.0	113.4	3.1	3.2	3.1	146.3	4.3	4.4	4.3	105.5
80	4.0	4.2	4.1	110.6	3.2	3.3	3.3	137.4	4.4	4.5	4.5	100.8
81	4.2	4.4	4.3	105.5	3.4	3.4	3.4	133.4	4.6	4.7	4.6	98.6
82	4.3	4.5	4.4	103.1	3.5	3.6	3.5	129.6	4.8	4.9	4.8	94.5
83	4.5	4.7	4.6	98.6	3.7	3.7	3.7	122.6	5.0	5.1	5.0	90.7
84	4.6	4.9	4.7	96.5	3.8	3.9	3.8	119.4	5.1	5.3	5.2	87.2
85	4.8	5.0	4.9	92.6	4.0	4.0	4.0	113.4	5.3	5.5	5.4	84.0
86	5.0	5.2	5.1	88.9	4.1	4.2	4.1	110.6	5.5	5.7	5.6	81.0
87	5.1	5.4	5.2	87.2	4.2	4.3	4.3	105.5	5.7	5.9	5.8	78.2
88	5.3	5.6	5.4	84.0	4.4	4.5	4.4	103.1	5.9	6.1	6.0	75.6
89	5.5	5.8	5.6	81.0	4.6	4.7	4.6	98.6	6.1	6.3	6.2	73.2
90	5.7	6.0	5.8	78.2	4.8	4.8	4.8	94.5	6.3	6.5	6.4	70.9
91	5.9	6.2	6.0	75.6	5.0	5.0	5.0	90.7	6.5	6.8	6.6	68.7
92	6.0	6.4	6.2	73.2	5.1	5.2	5.1	88.9	6.7	7.0	6.8	66.7
93	6.2	6.6	6.4	70.9	5.3	5.4	5.3	85.6	6.9	7.2	7.1	63.8
94	6.4	6.8	6.6	63.7	5.5	5.6	5.5	82.5	7.2	7.5	7.3	62.1
95	6.6	7.0	6.8	66.7	5.7	5.8	5.7	79.6	7.4	7.7	7.5	60.5
96	6.8	7.2	7.0	64.8	5.9	6.0	5.9	76.9	7.6	8.0	7.8	58.2
97	7.0	7.4	7.2	63.0	6.1	6.2	6.1	74.4	7.9	8.2	8.0	56.7
98	7.3	7.7	7.4	61.3	6.3	6.4	6.3	72.0	8.1	8.5	8.3	54.6
99	7.5	7.9	7.7	58.9	6.5	6.6	6.5	69.8	8.4	8.8	8.6	52.7
100	7.7	8.2	7.9	57.4	6.7	6.8	6.7	67.7	8.6	9.1	8.8	51.5
101	7.9	8.4	8.1	56.0	7.0	7.0	7.0	64.8	8.9	9.3	9.1	49.8
102	8.2	8.6	8.4	54.0	7.2	7.3	7.2	63.0	9.1	9.6	9.4	48.2
103	8.4	8.9	8.6	52.7	7.4	7.5	7.4	61.3	9.4	9.9	9.6	47.2
104	8.6	9.2	8.9	51.0	7.6	7.7	7.7	58.9	9.7	10.2	9.9	45.8
105	8.9	9.4	9.1	49.8	7.9	8.0	7.9	57.4	10.0	10.5	10.2	44.5
106	9.1	9.7	9.4	48.2	8.1	8.2	8.2	55.3	10.2	10.8	10.5	43.2
107	9.4	10.0	9.6	47.2	8.4	8.5	8.4	54.0	10.5	11.2	10.8	42.0
108	9.6	10.2	9.9	45.8	8.6	8.7	8.7	52.1	10.8	11.5	11.1	40.9
109	9.9	10.5	10.2	44.5	8.9	9.0	8.9	51.0	11.1	11.8	11.4	39.8
110	10.2	10.8	10.5	43.2	9.2	9.3	9.2	49.3	11.4	12.2	11.8	38.4
111	10.4	11.1	10.7	42.4	9.5	9.5	9.5	47.7	11.7	12.5	12.1	37.5
112	10.7	11.4	11.0	41.2	9.7	9.8	9.7	46.8	12.0	12.9	12.4	36.6
113	11.0	11.7	11.3	40.1	10.0	10.1	10.0	45.4	12.4	13.2	12.8	35.4
114	11.3	12.0	11.6	39.1	10.3	10.4	10.3	44.0	12.7	13.6	13.1	34.6
115	11.6	12.3	11.9	38.1	10.6	10.7	10.6	42.8	13.0	14.0	13.4	[illegible]
116	11.9	12.6	12.2	37.2	10.9	11.0	10.9	41.6	13.4	14.3	13.8	[illegible].9
117	12.2	13.0	12.5	36.3	11.2	11.3	11.2	40.5	13.7	14.7	14.2	31.9

Table 1.--Continued

Total length	Brown				White				Pink			
	Total weight			Number per pound	Total weight			Number per pound	Total weight			Number per pound
	Male	Female	Sexes combined		Male	Female	Sexes combined		Male	Female	Sexes combined	
118	12.5	13.3	12.9	35.2	11.5	11.6	11.5	39.4	14.1	15.1	14.5	31.3
119	12.8	13.6	13.2	34.4	11.9	12.0	11.9	38.1	14.4	15.5	14.9	30.4
120	13.1	14.0	13.5	33.6	12.2	12.3	12.2	37.2	14.8	15.9	15.3	29.6
121	13.4	14.3	13.8	32.9	12.5	12.6	12.5	36.3	15.2	16.3	15.7	28.9
122	13.8	14.7	14.2	31.9	12.9	13.0	12.9	35.2	15.5	16.8	16.1	28.2
123	14.1	15.0	14.5	31.3	13.2	13.3	13.2	34.4	15.9	17.2	16.5	27.5
124	14.4	15.4	14.9	30.4	13.6	13.6	13.6	33.4	16.3	17.6	16.9	26.8
125	14.8	15.8	15.2	29.8	13.9	14.0	13.9	32.6	16.7	18.1	17.3	26.2
126	15.1	16.2	15.6	29.1	14.3	14.4	14.3	31.7	17.1	18.5	17.7	25.6
127	15.5	16.6	16.0	28.3	14.7	14.8	14.7	30.8	17.5	19.0	18.2	24.9
128	15.8	16.9	16.3	27.8	15.0	15.1	15.0	30.2	17.9	19.4	18.6	24.4
129	16.2	17.3	16.7	27.2	15.4	15.5	15.4	29.4	18.3	19.9	19.0	23.9
130	16.5	17.7	17.1	26.5	15.8	15.9	15.8	28.7	18.8	20.4	19.5	23.3
131	16.9	18.2	17.5	25.9	16.2	16.3	16.2	28.0	19.2	20.9	20.0	22.7
132	17.3	18.6	17.9	25.3	16.6	16.7	16.6	27.3	19.6	21.4	20.4	22.2
133	17.7	19.0	18.3	24.8	17.1	17.0	17.0	26.7	20.1	21.9	20.9	21.7
134	18.1	19.4	18.7	24.2	17.5	17.5	17.5	26.1	20.5	22.4	21.4	21.2
135	18.5	19.8	19.1	23.7	17.9	18.0	17.9	25.3	21.0	22.9	21.9	20.7
136	18.9	20.3	19.5	23.3	18.3	18.4	18.3	24.8	21.4	23.4	22.4	20.2
137	19.3	20.7	19.9	22.8	18.8	18.8	18.8	24.1	21.9	24.0	22.9	19.8
138	19.7	21.2	20.4	22.2	19.2	19.3	19.2	23.6	22.4	24.5	23.4	19.4
139	20.1	21.6	20.8	21.8	19.7	19.7	19.7	23.1	22.9	25.1	23.9	19.0
140	20.5	22.1	21.2	21.4	20.1	20.2	20.1	22.6	23.4	25.6	24.4	18.6
141	21.0	22.6	21.7	20.9	20.6	20.7	20.6	22.0	23.9	26.2	24.9	18.2
142	21.4	23.0	22.2	20.4	21.1	21.2	21.1	21.5	24.4	26.8	25.5	17.8
143	21.8	23.5	22.6	20.1	21.6	21.6	21.6	21.0	24.9	27.4	26.0	17.4
144	22.3	24.0	23.1	19.6	22.1	22.1	22.1	20.6	25.4	28.0	26.6	17.0
145	22.7	24.5	23.6	19.2	22.6	22.6	22.6	20.2	25.9	28.6	27.2	16.7
146	23.2	25.0	24.0	18.9	23.1	23.2	23.2	19.7	26.5	29.2	27.7	16.4
147	23.7	25.5	24.5	18.5	23.6	23.7	23.6	19.2	27.0	29.8	28.3	16.0
148	24.1	26.1	25.0	18.1	24.2	24.2	24.2	18.8	27.6	30.4	28.9	15.7
149	24.6	26.6	25.5	17.8	24.7	24.7	24.7	18.4	28.1	31.1	29.5	15.4
150	25.1	27.1	26.0	17.4	25.2	25.2	25.2	18.0	28.7	31.7	30.1	15.1
151	25.6	27.7	26.5	17.1	25.8	25.8	25.8	17.6	29.2	32.4	30.7	14.8
152	26.1	28.2	27.1	16.7	26.4	26.4	26.4	17.2	29.8	33.1	31.3	14.5
153	26.6	28.8	27.6	16.4	26.9	26.9	26.9	16.9	30.4	33.7	32.0	14.2
154	27.1	29.3	28.1	16.1	27.5	27.5	27.5	16.6	31.0	34.4	32.6	13.9
155	27.6	29.9	28.6	15.9	28.1	28.1	28.1	16.2	31.6	35.1	33.2	13.7
156	28.1	30.5	29.2	15.5	28.7	28.7	28.7	15.9	32.2	35.8	33.9	13.4
157	28.7	31.0	29.8	15.2	29.3	29.3	29.3	15.5	32.8	36.5	34.5	13.1
158	29.2	31.6	30.3	15.0	29.9	29.9	29.9	15.2	33.4	37.3	35.2	12.9
159	29.7	32.2	30.9	14.7	30.5	30.5	30.5	14.9	34.1	38.0	35.9	12.6
160	30.3	32.8	31.5	14.4	31.2	31.1	31.1	14.6	34.7	38.7	36.6	12.4
161	30.8	33.4	32.0	14.2	31.8	31.8	31.8	14.3	35.4	39.5	37.3	12.2
162	31.4	34.1	32.6	13.9	32.4	32.4	32.4	14.0	36.0	40.2	38.0	11.9
163	32.0	34.7	33.2	13.7	33.1	33.0	33.0	13.7	36.7	41.0	38.7	11.7
164	32.5	35.3	33.8	13.4	33.8	33.7	33.7	13.5	37.4	41.8	39.4	11.5
165	33.1	36.0	34.4	13.2	34.4	34.4	34.4	13.2	38.0	42.6	40.2	11.3

Total length	Brown				White				Pink			
	Total weight			Number per pound	Total weight			Number per pound	Total weight			Number per pound
	Male	Female	Sexes combined		Male	Female	Sexes combined		Male	Female	Sexes combined	
166	33.7	36.6	35.0	13.0	35.1	35.1	35.1	13.0	38.7	43.4	40.9	11.1
167	34.3	37.3	35.7	12.7	35.8	35.7	35.7	12.7	39.4	44.2	41.6	10.9
168	34.9	38.0	36.3	12.5	36.5	36.4	36.4	12.5	40.1	45.0	42.4	10.7
169	35.5	38.6	36.9	12.3	37.2	37.1	37.1	12.2	40.8	45.9	43.2	10.5
170	36.1	39.3	37.6	12.1	38.0	37.8	37.8	12.0	41.6	46.7	44.0	10.3
171	36.8	40.0	38.2	11.9	38.7	38.6	38.6	11.8	42.3	47.6	44.7	10.1
172	37.4	40.7	38.9	11.7	39.4	39.3	39.3	11.6	43.0	48.4	45.5	10.0
173	38.0	41.4	39.6	11.4	40.2	40.1	40.1	11.3	43.8	49.3	46.4	9.8
174	38.7	42.1	40.2	11.3	41.0	40.8	40.8	11.1	44.5	50.2	47.2	9.6
175	39.3	42.8	40.9	11.1	41.7	41.6	41.6	10.9	45.3	51.1	48.0	9.4
176	40.0	43.6	41.6	10.9	42.5	42.4	42.4	10.7	46.1	52.0	48.8	9.3
177	40.6	44.3	42.3	10.7	43.3	43.2	43.2	10.5	46.8	52.9	49.7	9.1
178	41.3	45.1	43.0	10.6	44.1	43.9	43.9	10.3	47.6	53.9	50.5	9.0
179	42.0	45.8	43.7	10.4	44.9	44.7	44.7	10.1	48.4	54.8	51.4	8.8
180	42.7	46.6	44.5	10.2	45.8	45.5	45.5	10.0	49.2	55.8	52.3	8.7
181	43.4	47.3	45.2	10.0	46.6	46.4	46.4	9.8	50.1	56.7	53.2	8.5
182	44.1	48.1	45.9	9.9	47.4	47.2	47.2	9.6	50.9	57.7	54.0	8.4
183	44.8	48.9	46.7	9.7	48.3	48.1	48.1	9.4	51.7	58.7	55.0	8.2
184	45.5	49.7	47.4	9.6	49.2	48.9	48.9	9.3	52.6	59.7	55.9	8.1
185	46.2	50.5	48.2	9.4	50.0	49.8	49.8	9.1	53.4	60.7	56.8	8.0
186	46.9	51.3	49.0	9.3	50.9	50.6	50.6	9.0	54.3	61.7	57.7	7.9
187	47.7	52.2	49.7	9.1	51.8	51.5	51.5	8.8	55.2	62.7	58.7	7.7
188	48.4	53.0	50.5	9.0	52.7	52.4	52.4	8.7	56.0	63.8	59.6	7.6
189	49.2	53.8	51.3	8.8	53.6	53.3	53.3	8.5	56.9	64.8	60.6	7.5
190	49.9	54.7	52.1	8.7	54.6	54.2	54.2	8.4	57.8	65.9	61.6	7.4
191	50.7	55.5	52.9	8.6	55.5	55.2	55.2	8.2	58.7	67.0	62.6	7.2
192	51.5	56.4	53.7	8.4	56.5	56.1	56.1	8.1	59.6	68.1	63.6	7.1
193	52.3	57.3	54.6	8.3	57.4	57.1	57.1	8.0	60.6	69.2	64.6	7.0
194	53.1	58.2	55.4	8.2	58.4	58.0	58.0	7.8	61.5	70.3	65.6	6.9
195	53.9	59.0	56.3	8.1	59.4	59.0	59.0	7.7	62.4	71.4	66.6	6.8
196	54.7	60.0	57.1	7.9	60.4	60.0	60.0	7.6	63.4	72.6	67.6	6.7
197	55.5	60.9	58.0	7.8	61.4	61.0	61.0	7.4	64.4	73.7	68.7	6.6
198	56.3	61.8	58.8	7.7	62.4	62.0	62.0	7.3	65.3	74.9	69.8	6.5
199	57.1	62.7	59.7	7.6	63.5	63.0	63.0	7.2	66.3	76.0	70.8	6.4
200	58.0	63.7	60.6	7.5	64.5	64.0	64.0	7.1	67.3	77.2	71.9	6.3
201	58.8	64.6	61.5	7.4	65.6	65.1	65.1	7.0	68.3	78.4	73.0	6.2
202	59.7	65.6	62.4	7.3	66.6	66.2	66.2	6.9	69.3	79.6	74.1	6.1
203	60.6	66.5	63.3	7.2	67.7	67.2	67.2	6.7	70.4	80.9	75.2	6.0
204	61.4	67.5	64.2	7.1	68.8	68.3	68.3	6.6	71.4	82.1	76.4	5.9
205	62.3	68.5	65.2	7.0	69.9	69.4	69.4	6.5	72.4	83.4	77.5	5.8
206	63.2	69.5	66.1	6.9	71.0	70.5	70.5	6.4	73.5	84.6	78.6	5.8
207	64.1	70.5	67.0	6.8	72.2	71.6	71.6	6.3	74.6	85.9	79.8	5.7
208	65.0	71.5	68.0	6.7	73.3	72.7	72.7	6.2	75.6	87.2	81.0	5.6
209	65.9	72.5	69.0	6.6	74.5	73.8	73.9	6.1	76.7	88.5	82.3	5.5
210	66.8	73.6	69.9	6.5	75.6	75.0	75.0	6.0	77.8	89.8	83.4	5.4
211	67.8	74.6	70.9	6.4	76.8	76.2	76.2	6.0	78.9	91.1	84.6	[illegible]
212	68.7	75.7	71.9	6.3	78.0	77.3	77.4	5.9	80.0	92.5	85.8	[illegible]
213	69.6	76.7	72.9	6.2	79.2	78.5	78.6	5.8	81.2	93.8	87.0	5.2

Table 1.--Continued

Total length	Brown				White				Pink			
	Total weight			Number per pound	Total weight			Number per pound	Total weight			Numl per pour
	Male	Female	Sexes combined		Male	Female	Sexes combined		Male	Female	Sexes combined	
214	70.6	77.8	73.9	6.1	80.4	79.7	79.8	5.7	82.3	95.2	88.3	5.1
215	71.6	78.9	74.9	6.1	81.7	80.9	81.0	5.6	83.4	96.6	89.5	5.1
216	72.5	80.0	76.0	6.0	82.9	82.2	82.2	5.5	84.6	98.0	90.8	5.0
217	73.5	81.1	77.0	5.9	84.2	83.4	83.5	5.4	85.8	99.4	92.1	4.9
218	74.5	82.2	73.0	5.8	85.4	84.6	84.7	5.4	86.9	100.8	93.4	4.8
219	75.5	83.3	79.1	5.7	86.7	85.9	86.0	5.3	88.1	102.2	94.7	4.8
220	76.5	84.5	80.2	5.7	88.0	87.1	87.3	5.2	89.3	103.7	96.0	4.7
221	77.5	85.6	81.2	5.6	89.3	88.5	88.6	5.1	90.5	105.2	97.3	4.7
222	78.6	86.8	82.3	5.5	90.7	89.8	89.9	5.0	91.8	106.6	98.6	4.6
223	79.6	87.9	83.4	5.4	92.0	91.1	91.2	5.0	93.0	108.1	100.0	4.5
224	80.6	89.1	84.5	5.4	93.4	92.4	92.5	4.9	94.2	109.6	101.4	4.5
225	81.7	90.3	85.6	5.3	94.7	93.8	93.9	4.8	95.5	111.2	102.7	4.4
226	82.8	91.5	86.8	5.2	96.1	95.1	95.2	4.8	96.8	112.7	104.1	4.4
227	83.8	92.7	87.9	5.2	97.5	96.5	96.6	4.7	98.0	114.2	105.5	4.3
228	84.9	93.9	89.0	5.1	98.9	97.8	98.0	4.6	99.3	115.8	107.0	4.2
229	86.0	95.1	90.2	5.0	100.3	99.2	99.4	4.6	100.6	117.4	108.4	4.2
230	87.1	96.4	91.4	5.0	101.8	100.6	100.8	4.5	101.9	119.0	109.8	4.1
231	88.2	97.6	92.5	4.9	103.2	102.1	102.2	4.4	103.2	120.6	111.3	4.1
232	89.3	98.9	93.7	4.8	104.7	103.5	103.7	4.4	104.6	122.2	112.7	4.0
233	90.4	100.1	94.9	4.8	106.2	105.0	105.2	4.3	105.9	123.8	114.2	4.0
234	91.6	101.4	96.1	4.7	107.6	106.4	106.6	4.3	107.3	125.5	115.7	3.9
235	92.7	102.7	97.3	4.7	109.2	107.9	108.1	4.2	108.6	127.2	117.2	3.9

for brown, white, and pink shrimp.

Total length	Tail length			Tail weight			Number per pound		
	Brown	White	Pink	Brown	White	Pink	Brown	White	Pink
70	39.5	40.1	39.7	1.8	1.4	2.0	252.0	324.0	226.8
71	40.1	40.7	40.3	1.9	1.4	2.0	238.7	324.0	226.8
72	40.8	41.3	41.0	2.0	1.5	2.2	226.8	302.4	206.2
73	41.4	41.9	41.6	2.0	1.6	2.2	226.8	283.5	206.2
74	42.0	42.5	42.2	2.2	1.6	2.3	206.2	283.5	197.2
75	42.6	43.1	42.8	2.2	1.7	2.4	206.7	266.8	189.0
76	43.2	43.7	43.4	2.3	1.8	2.5	197.2	252.0	181.4
77	43.8	44.3	44.0	2.4	1.9	2.6	189.0	238.7	174.5
78	44.4	44.9	44.7	2.5	1.9	2.7	181.4	238.7	168.0
79	45.0	45.6	45.3	2.6	2.0	2.8	174.5	226.8	162.0
80	45.6	46.2	45.9	2.6	2.1	2.9	174.5	216.0	156.4
81	46.2	46.8	46.5	2.8	2.2	3.0	162.0	206.2	151.2
82	46.8	47.4	47.2	2.8	2.3	3.1	162.0	197.2	146.3
83	47.4	48.0	47.8	3.0	2.4	3.2	151.2	189.0	141.8
84	48.0	48.6	48.4	3.0	2.5	3.3	151.2	181.4	137.4
85	48.6	49.2	49.0	3.1	2.6	3.4	146.3	174.5	133.4
86	49.2	49.8	49.6	3.3	2.6	3.6	137.4	174.5	126.0
87	49.8	50.4	50.3	3.3	2.8	3.7	137.4	162.0	122.6
88	50.4	51.0	50.9	3.4	2.8	3.8	133.4	162.0	119.4
89	51.0	51.6	51.5	3.6	3.0	3.9	126.0	151.2	116.3
90	51.7	52.2	52.1	3.7	3.1	4.1	122.6	146.3	110.6
91	52.3	52.8	52.8	3.8	3.2	4.2	119.4	141.8	108.0
92	52.9	53.4	53.4	3.9	3.3	4.3	116.3	137.4	105.5
93	53.5	54.0	54.0	4.1	3.4	4.5	110.6	133.4	100.8
94	54.1	54.6	54.6	4.2	3.6	4.6	108.0	126.0	98.6
95	54.7	55.2	55.2	4.3	3.7	4.7	105.5	122.6	96.5
96	55.3	55.8	55.8	4.4	3.8	4.9	103.1	119.4	92.6
97	55.9	56.5	56.5	4.6	3.9	5.0	98.6	116.3	90.7
98	56.5	57.1	57.1	4.7	4.1	5.2	96.5	110.4	87.2
99	57.1	57.7	57.7	4.9	4.2	5.4	92.6	108.0	84.0
100	57.7	58.3	58.3	5.0	4.3	5.5	90.7	105.5	82.5
101	58.3	58.9	59.0	5.1	4.5	5.7	88.9	100.8	79.6
102	58.9	59.5	59.6	5.3	4.6	5.9	85.6	98.6	76.9
103	59.5	60.1	60.2	5.4	4.8	6.0	84.0	94.5	75.6
104	60.1	60.7	60.8	5.6	5.0	6.2	81.0	90.7	73.2
105	60.8	61.3	61.4	5.7	5.1	6.4	79.6	88.9	70.9
106	61.4	61.9	62.1	5.9	5.3	6.6	76.9	85.6	68.7
107	62.0	62.5	62.7	6.0	5.4	6.8	75.6	84.0	66.7
108	62.6	63.1	63.3	6.2	5.6	7.0	73.2	81.0	64.8
109	63.2	63.7	63.9	6.4	5.7	7.1	70.9	79.5	63.9
110	63.8	64.3	64.6	6.6	5.9	7.4	68.7	76.9	61.3
111	64.4	64.9	65.2	6.7	6.1	7.6	67.7	74.4	59.7
112	65.0	65.6	65.8	6.9	6.3	7.8	65.7	72.0	58.2
113	65.6	66.2	66.4	7.1	6.4	8.0	63.9	70.9	56.7
114	66.2	66.8	67.0	7.3	6.6	8.2	62.1	68.7	55.3
115	66.8	67.4	67.6	7.4	6.8	8.4	61.3	66.7	54.0
116	67.4	68.0	68.3	7.6	7.0	8.6	59.7	64.8	52.7
117	68.0	68.6	68.9	7.8	7.2	8.8	58.2	63.0	51.5

Table 2.--Continued

Total length	Tail length			Tail weight			Number per pound		
	Brown	White	Pink	Brown	White	Pink	Brown	White	Pink
118	68.6	69.2	69.5	8.1	7.4	9.0	56.6	61.3	50.4
119	69.2	69.8	70.1	8.2	7.7	9.3	55.3	58.9	48.8
120	69.8	70.4	70.8	8.4	7.9	9.5	54.0	57.4	47.7
121	70.4	71.0	71.4	8.6	8.1	9.8	52.7	56.0	46.3
122	71.0	71.6	72.0	8.9	8.3	10.0	51.0	54.6	45.4
123	71.7	72.2	72.6	9.0	8.5	10.3	50.4	53.4	44.0
124	72.3	72.8	73.2	9.3	8.8	10.5	48.8	51.5	43.2
125	72.9	73.4	73.9	9.5	9.0	10.8	47.7	50.4	42.0
126	73.5	74.0	74.5	9.7	9.2	11.0	46.8	49.3	41.2
127	74.1	74.6	75.1	10.0	9.5	11.3	45.4	47.8	40.1
128	74.7	75.2	75.7	10.2	9.7	11.6	44.5	46.8	39.1
129	75.3	75.8	76.4	10.4	9.9	11.8	43.6	45.8	38.4
130	75.9	76.5	77.0	10.6	10.2	12.1	42.8	44.5	37.5
131	76.5	77.1	77.6	10.9	10.4	12.4	41.6	43.6	36.6
132	77.1	77.7	78.2	11.2	10.7	12.7	40.5	42.4	35.7
133	77.7	78.3	78.8	11.4	11.0	13.0	39.8	41.2	34.9
134	78.3	78.9	79.4	11.6	11.2	13.3	39.1	40.5	34.1
135	78.9	79.5	80.1	11.9	11.5	13.6	38.1	39.4	33.4
136	79.5	80.1	80.7	12.1	11.8	13.9	37.5	38.4	32.6
137	80.1	80.7	81.3	12.4	12.1	14.2	36.6	37.5	31.9
138	80.8	81.3	81.9	12.7	12.4	14.5	35.7	36.6	31.3
139	81.4	81.9	82.6	12.9	12.6	14.8	35.2	36.0	30.6
140	82.0	82.5	83.2	13.2	13.0	15.1	34.4	34.9	30.0
141	82.6	83.1	83.8	13.5	13.3	15.4	33.6	34.1	29.4
142	83.2	83.7	84.4	13.8	13.6	15.8	32.9	33.4	28.7
143	83.8	84.3	85.0	14.0	13.9	16.1	32.4	32.6	28.2
144	84.4	84.9	85.7	14.3	14.2	16.5	31.7	31.9	27.5
145	85.0	85.6	86.3	14.7	14.5	16.8	30.9	31.3	27.0
146	85.6	86.2	86.9	14.9	14.8	17.1	30.4	30.6	26.5
147	86.2	86.8	87.5	15.2	15.2	17.5	29.8	29.8	25.9
148	86.8	87.4	88.2	15.5	15.5	17.9	29.3	29.3	25.3
149	87.4	88.0	88.8	15.8	15.8	18.2	28.7	28.7	24.9
150	88.0	88.6	89.4	16.1	16.2	18.6	28.2	28.0	24.4
151	88.6	89.2	90.0	16.4	16.6	19.0	27.7	27.3	23.9
152	89.2	89.8	90.6	16.8	17.0	19.4	27.0	26.7	23.4
153	89.8	90.4	91.3	17.1	17.3	19.8	26.5	26.2	22.9
154	91.4	91.0	91.9	17.4	17.7	20.2	26.1	25.6	22.4
155	91.0	91.6	92.5	17.7	18.0	20.5	25.6	25.2	22.1
156	91.7	92.2	93.1	18.1	18.4	20.9	25.1	24.6	21.7
157	92.3	92.8	93.7	18.5	18.8	21.3	24.5	24.1	21.3
158	92.9	93.4	94.4	18.8	19.2	21.7	24.1	23.6	20.9
159	93.5	94.0	95.0	19.2	19.6	22.2	23.6	23.1	20.4
160	94.1	94.6	95.6	19.5	20.0	22.6	23.3	22.7	20.0
161	94.7	95.2	96.2	19.8	20.4	23.0	22.9	22.2	19.7
162	95.3	95.8	96.8	20.2	20.8	23.5	22.5	21.8	19.3
163	95.9	96.5	97.5	20.6	21.3	23.9	22.0	21.3	19.0
164	96.5	97.1	98.1	20.9	21.6	24.3	21.7	21.0	18.7
165	97.1	97.7	98.7	21.3	22.1	24.8	21.3	20.5	18.3

Total length	Tail length			Tail weight			Number per pound		
	Brown	White	Pink	Brown	White	Pink	Brown	White	Pink
166	97.7	98.3	99.3	21.7	22.6	25.2	20.9	20.1	18.0
167	98.3	98.9	100.0	22.1	23.0	25.7	20.5	19.7	17.6
168	98.9	99.5	100.6	22.5	23.4	26.2	20.2	19.4	17.3
169	99.5	100.1	101.2	22.8	23.9	26.7	19.9	19.0	17.0
170	100.1	100.7	101.8	23.3	24.4	27.2	19.5	18.6	16.7
171	100.8	101.3	102.4	23.6	24.8	27.6	19.2	18.3	16.4
172	101.4	101.9	103.1	24.1	25.3	28.1	18.8	17.9	16.1
173	102.0	102.5	103.7	24.5	25.8	28.6	18.5	17.6	15.9
174	102.6	103.1	104.3	24.9	26.2	29.1	18.2	17.3	15.6
175	103.2	103.7	104.9	25.3	26.7	29.6	17.9	17.0	15.3
176	103.8	104.3	105.5	25.8	27.2	30.1	17.6	16.7	15.1
177	104.4	104.9	106.2	26.2	27.8	30.6	17.3	16.3	14.8
178	105.0	105.6	106.8	26.6	28.3	31.1	17.0	16.0	14.6
179	105.6	106.2	107.4	27.0	28.8	31.7	16.8	15.7	14.3
180	106.2	106.8	108.0	27.5	29.3	32.2	16.5	15.5	14.1
181	106.8	107.4	108.6	28.0	29.8	32.8	16.2	15.2	13.9
182	107.4	108.0	109.3	28.4	30.4	33.3	16.0	14.9	13.6
183	108.0	108.6	109.9	28.9	30.9	33.9	15.7	14.7	13.4
184	108.6	109.2	110.5	29.3	31.4	34.5	15.5	14.4	13.2
185	109.2	109.8	111.1	29.8	32.0	35.0	15.2	14.2	13.0
186	109.8	110.4	111.8	30.3	32.6	35.6	15.0	13.9	12.7
187	110.4	111.0	112.4	30.7	33.2	36.2	14.8	13.7	12.5
188	111.0	111.6	113.0	31.2	33.8	36.7	14.5	13.4	12.4
189	111.7	112.2	113.6	31.7	34.3	37.3	14.3	13.2	12.2
190	112.3	112.8	114.2	32.2	34.9	38.0	14.1	13.0	11.9
191	112.9	113.4	114.9	32.7	35.6	38.6	13.9	12.7	11.8
192	113.5	114.0	115.5	33.2	36.1	39.2	13.7	12.6	11.6
193	114.1	114.6	116.1	33.8	36.7	39.8	13.4	12.4	11.4
194	114.7	115.2	116.7	34.2	37.4	40.4	13.3	12.1	11.2
195	115.3	115.8	117.3	34.8	38.0	41.0	13.0	11.9	11.1
196	115.9	116.5	118.0	35.3	38.6	41.6	12.8	11.8	10.9
197	116.5	117.1	118.6	35.8	39.3	42.3	12.7	11.5	10.7
198	117.1	117.7	119.2	36.3	39.9	43.0	12.5	11.4	10.6
199	117.7	118.3	119.8	36.9	40.6	43.6	12.3	11.2	10.4
200	118.3	118.9	120.4	37.4	41.2	44.3	12.1	11.0	10.2
201	118.9	119.5	121.1	38.0	41.9	45.0	11.9	10.6	10.1
202	119.5	120.1	121.7	38.6	42.6	45.6	11.8	10.6	10.0
203	120.1	120.7	122.3	39.1	43.3	46.3	11.6	10.5	9.8
204	120.8	121.3	122.9	39.7	44.0	47.0	11.4	10.3	9.6
205	121.4	121.9	123.6	40.3	44.7	47.7	11.3	10.1	9.5
206	122.0	122.5	124.2	40.8	45.4	48.4	11.1	10.0	9.4
207	122.6	123.1	124.8	41.4	46.1	49.1	11.0	9.8	9.2
208	123.2	123.7	125.4	42.0	46.8	49.9	10.8	9.7	9.1
209	123.8	124.3	126.0	42.6	47.6	50.7	10.6	9.5	9.0
210	124.4	124.9	126.7	43.2	48.3	51.3	10.5	9.4	8.8
211	125.0	125.6	127.3	43.8	49.1	52.1	10.4	9.2	8.7
212	125.6	126.2	127.9	44.4	49.9	52.8	10.2	9.1	8.6
213	126.2	126.8	128.5	45.0	50.6	53.6	10.1	9.0	8.5

Table 2.--Continued

Total length	Tail length			Tail weight			Number per pound		
	Brown	White	Pink	Brown	White	Pink	Brown	White	Pink
214	126.8	127.4	129.1	45.6	51.4	54.4	10.0	8.8	8.3
215	127.4	128.0	129.8	46.3	52.2	55.1	9.8	8.7	8.2
216	128.0	128.6	130.4	46.9	53.0	55.9	9.7	8.6	8.1
217	128.6	129.2	131.0	47.6	53.8	56.7	9.5	8.4	8.0
218	129.2	129.8	131.6	48.2	54.6	57.5	9.4	8.3	7.9
219	129.8	130.4	132.2	48.8	55.4	58.3	9.3	8.2	7.8
220	130.4	131.0	132.9	49.5	56.2	59.1	9.2	8.1	7.7
221	131.0	131.6	133.5	50.1	57.1	59.9	9.0	7.9	7.6
222	131.7	132.2	134.1	50.8	57.9	60.7	8.9	7.8	7.5
223	132.3	132.8	134.7	51.5	58.7	61.5	8.8	7.7	7.4
224	132.9	133.4	135.4	52.2	59.6	62.4	8.7	7.6	7.3
225	133.5	134.0	136.0	52.8	60.5	63.2	8.6	7.5	7.2
226	134.1	134.6	136.6	53.6	61.3	64.0	8.5	7.4	7.1
227	134.7	135.2	137.2	54.3	62.2	64.9	8.4	7.3	7.0
228	135.3	135.8	138.8	54.9	63.1	65.8	8.3	7.2	6.9
229	135.9	136.5	138.5	55.7	64.0	66.7	8.1	7.1	6.8
230	136.5	137.1	139.1	56.4	64.9	67.6	8.0	7.0	6.7
231	137.1	137.7	139.7	57.1	65.8	68.5	7.9	6.9	6.6
232	137.7	138.3	140.3	57.8	66.8	69.3	7.8	6.8	6.5
233	138.3	138.9	141.0	58.6	67.8	70.2	7.7	6.7	6.5
234	139.9	139.5	141.6	59.3	68.7	71.2	7.6	6.6	6.4
235	139.5	140.1	142.2	60.1	69.6	72.1	7.6	6.5	6.3