

**Pelagic FMP Amendment 18
Final SEIS**

Appendix IV

**Leatherback and loggerhead sea turtle egg equivalencies
using Chaloupka models**

Equivalencies.xls -- July 3, 2003.

Egg equivalencies using Chaloupka models. Values estimated using equilibrium population snapshot ratios.
 500 population trajectories averaged, exploited configuration was a long term "coastal fishery" hazard.

Leatherback

Age	Unexploited	Exploited	
1	3.18	3.16	
2	16.74	16.67	
3	30.45	30.31	
4	55.34	55.10	<=Begin exposure to pelagic fisheries
5	96.60	96.18	
6	161.59	160.86	
7	215.47	214.45	
8	287.20	285.75	
9	382.88	380.83	
10	510.33	507.44	<=Begin exposure to coastal fisheries
11	596.29	592.77	
12	696.72	692.44	
13	814.09	809.33	
14	951.23	959.71	<=Maturity

Loggerhead

Age	Unexploited	Exploited	
1	2.38	2.37	
2	2.85	2.83	<=Begin exposure to pelagic fisheries ages 2-12
3	3.79	3.77	
4	5.06	5.03	
5	6.74	6.69	
6	8.99	8.91	
7	11.98	11.86	
8	15.97	15.78	
9	21.30	21.01	*ages 10-12 not shown because data not in model output
13	62.95	61.84	<=Begin exposure to coastal fisheries ages 10-onward
14	78.70	77.33	
15	98.37	96.67	
16	115.76	114.16	
17	136.19	134.76	
18	160.22	159.09	
19	188.48	187.79	
20	221.72	221.66	
21	260.82	261.63	
22	298.42	301.40	
23	341.38	347.14	
24	390.57	399.84	
25	446.80	460.49	
26	511.16	530.36	
27	584.78	610.79	
28	669.01	703.42	
29	765.36	810.07	
30	875.59	932.88	<=Maturity

