

**Brinton and Townsend Euphausiid Database**  
**CalCOFI Coverage**  
**and**  
**Life History Categories Enumerated**  
**Pelagic Invertebrates Collection, Scripps Institution of Oceanography**

Year	January	February	March	April	May	June	July	August	September	October	November	December
1951	phase			phase	phase	phase			phase	phase	phase	phase
52	phase			phase								
53	size	size	size	size	size	size	size	size	size	size	size	size
54	size	size	size	size	size	size	size	size	size	size	size	size
55	size	size	size	size	size	size	size	size	size	size	size	size
56	size	size	size	size	size	size	size			size	size	size
57	size	size	size	size	size	size	size			size	size	size
58	size	size	size	size	size	size	size		size	size	size	size
59	size	size	size	size	size	size	size	size	size	size	size	size
1960	phase	phase	phase	phase								
61	phase			phase								
62	phase		phase									
63	phase			phase								
64	phase			phase								
65	phase			phase								
66	phase			phase								phase
67						phase						
68	phase			phase		phase						
69	s+s	s+s		s+s	s+s		s+s	s+s	s+s	s+s		s+s
1970		phase										
71	NO COVERAGE											
72	phase		phase							phase		
73	NO COVERAGE											
74		phase										
75	phase		phase		phase							phase
76			phase									
77			phase									size+ phase
78	size		size	size	size		size	size+ phase				
79	phase			phase	phase							
1980			phase	phase								
81	phase			phase								
82		phase	phase									
83	phase	phase	phase									
84	s+s	s+s	s+s	s+s	s+s	s+s	s+s			s+s		
85		phase	phase		phase							
86		phase			phase					phase		
87	phase		phase	phase	phase							
88	phase		phase		phase							
89	phase			phase						phase		
1990			phase	phase								
91	phase		size	phase								
92		phase		phase								
93	phase			phase								
94	phase		phase									
95	phase			phase								
96		phase		phase								
97		phase		phase								
98		phase		phase								
99	phase			phase								
2000	phase			phase								
1	phase			phase								
2	phase			phase								
3				phase								
4				phase								
5				phase								
6				phase								
7				phase								
8				phase								
9	phase		phase	phase								
2010				phase								
11				phase								
12			phase									
13				phase								
14				phase								
15				phase								
16				phase								
17				phase								
18				phase								
19				phase								
2020												

s+s = stage\* and size for 8\*\* abundant species and size only for all other species  
size = total length, in 1 mm size classes, measured from tip of rostrum to end of telson  
phase = calyptopis, furcilia, juveniles, adults  
= no coverage or no counts made

\*stage = instar, i.e., the interval between molts; there are multiple stages within a euphausiid life history phase (see Brinton et al. 2000)

\*\* *Euphausia eximia*, *Euphausia gibboides*, *Euphausia pacifica*, *Euphausia recurva*,

*Nematoscelis difficilis*, *Nyctiphanes simplex*, *Thysanoessa gregaria*, and *Thysanoessa spinifera*