

Role of the embryo in crab terrestrials: an ontogenetic approach

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Supplement. Table S1. Habitat, reproduction strategies, brooding and egg characteristics of brachyuran crabs. CW: carapace width; M: marine; F: freshwater; IT: intertidal; T(F): terrestrial via freshwater environment; T(M): terrestrial via marine environment. D: direct development; R: larval retention; E: larval export

Species	Habitat	Reproductive strategy	CW (mm)	Egg size (µm)	Egg number	Clutch (mm ³)	Ref.
<i>Paranaxia serpulifera</i>	M	D	72	?	550	?	1
<i>Cryptodromia hilgendorfi</i>	M	E	5	540	91	7	3
<i>Cyrtograpsus affinis</i>	M	E	5	?	?	?	4
<i>Rhithropanopeus harrisi</i>	M	E	10	360	2616	63	2
<i>Inachus dorsettensis</i>	M	E	12	660	2204	335	5
<i>Scyra acutifrons</i>	M	E	15	460	1404	70	2
<i>Eurypanopeus depressus</i>	M	E	17	310	2772	43	2
<i>Planes marinus</i>	M	E	19	350	11507	258	6; 7
<i>Portunus spinicarpus</i>	M	E	19	350	32204	736	8
<i>Portunus ordwayi</i>	M	E	20	370	45046	1185	8
<i>Planes minutus</i>	M	E	20	360	?	?	4
<i>Pugettia richii</i>	M	E	20	470	2294	126	2
<i>Mimulus foliatus</i>	M	E	23	440	1573	68	2
<i>Portunus gibbesi</i>	M	E	29	350	151491	3240	8
<i>Percnon gibbesi</i>	M	E	34	360	?	?	4
<i>Cyrtograpsus angolatus</i>	M	E	36	400	79000	2646	4
<i>Liocarcinus depurator</i>	M	E	37	290	55515	694	10
<i>Carcinus maenas</i>	M	E	47	380	192500	5518	5
<i>Thalamita crenata</i>	M	E	47	380	74000	2044	38
<i>Portunus spinimanus</i>	M	E	47	350	433888	9662	8
<i>Ovalipes ocellatus</i>	M	E	60	370	114019	2908	2
<i>Libinia emarginata</i>	M	E	61	550	56727	5013	2
<i>Loxorhynchus crispatus</i>	M	E	69	700	38532	6826	2
<i>Pugettia producta</i>	M	E	75	540	76705	6199	2
<i>Geryon quinquidens</i>	M	E	81	740	148587	31431	2

<i>Callinectes sapidus</i>	M	E	141	250	1828380	15377	2
<i>Maja squinado</i>	M	E	150	830	?	?	5
<i>Cancer pagurus</i>	M	E	250	460	1750000	90637	5;11
<i>Cancer magister</i>	M	E	260	460	1037602	52257	2
<i>Selatium elongatum</i>	M	E	30	490	?	?	38
<i>Plagusia chabrus</i>	M	E	?	430	?	?	6
<i>Ebalia tuberosa</i>	M	E	15	380	?	?	5;12
<i>Eurynome aspera</i>	M	E	15	470	?	?	5
<i>Macropipus depurator</i>	M	E	?	340	?	?	5
<i>Macropipus holsatus</i>	M	E	?	330	?	?	5
<i>Macropipus pusillus</i>	M	E	?	330	?	?	5
<i>Goneplax rhomboids</i>	M	E	?	460	?	?	5
<i>Macropodia longirostris</i>	M	E	?	720	?	?	5
<i>Macropodia rostrata</i>	M	E	?	590	?	?	5
<i>Pilumnus lumpinus</i>	M	R	21	1200	150	136	13;14
<i>Pilumnus novaezelandia</i>	M	R	21	1500	80	141	13;14
<i>Cryptodromia octodentata</i>	M	R	80	2000	530	2219	14;15
<i>Geothelphusa dehaani</i>	F	D	23	2500	34	278	16;1
<i>Paratelphusa convexa</i>	F	D	27	?	80	?	1
<i>Ozitelphusa senex senex</i>	F	D	41	?	320	?	17
<i>Eriocheir sinensis</i>	F	E	65	390	920000	28560	4
<i>Sesarma nodulifera</i>	F	R	11	?	30	?	1
<i>Candidiopotamon rathbunae</i>	F	D	30	2960	117	1587	37
<i>Paratelphusa masoniana</i>	F	D	40	3000	400	5652	1;14
<i>Potamon edulis</i>	F	D	43	2500	200	1635	1
<i>Paratelphusa hydrodromous</i>	F	D	43	2200	200	1114	19;1
<i>Armases roberti</i>	F	E	19	400	9000	301	20
<i>Sesarma bidentatum</i>	F	R	24	1800	?	?	4
<i>Armases angustipes</i>	F	E	18	400	?	?	4;21
<i>Sesarma windsor</i>	F	R	20	1400	250	359	4
<i>Uca triangularis</i>	IT	E	10	240	3990	28	22
<i>Cyclograpsus integer</i>	IT	E	10	350	?	?	4
<i>Uca burgensi</i>	IT	E	10	360	1782	43	22; 23
<i>Uca annulipes</i>	IT	E	11	240	6400	45	22
<i>Cyrtograpsus altimanus</i>	IT	E	12	300	2300	32	4
<i>Armases rubripes</i>	IT	E	12	250	4458	36	24
<i>Lophopanopeus leucomanus</i>	IT	E	13	330	2932	56	2
<i>Uca lactea</i>	IT	E	14	280	10645	143	25
<i>Geograpsus lividus</i>	IT	E	14	380	?	?	4
<i>Uca spinicarpa</i>	IT	E	14	?	16000	?	26
<i>Uca chlorophthalmus</i>	IT	E	14	250	3378	27	38
<i>Uca annulipes</i>	IT	E	15	280	2201	24	27;38
<i>Uca pugnax</i>	IT	E	15	300	6853	94	2
<i>Chiromantes eulimene</i>	IT	E	15	?	10000	?	38
<i>Perisesarma guttatum</i>	IT	E	15	370	4500	118	38

<i>Uca inversa</i>	IT	E	15	320	5947	98	38
<i>Uca rapax</i>	IT	E	16	260	28500	257	22
<i>Armases cinereum</i>	IT	E	17	320	15000	257	4
<i>Pachygrapsus gracilis</i>	IT	E	17	250	14996	123	4
<i>Pachygrapsus transversus</i>	IT	E	17	280	22314	256	4
<i>Chiromantes ortmanni</i>	IT	E	17	330	23000	446	38
<i>Uca gaimardi</i>	IT	E	18	?	6437	?	27
<i>Hemigrapsus oregonensis</i>	IT	E	18	320	10984	180	2
<i>Uca vocans</i>	IT	E	19	250	11550	93	28;38
<i>Uca tetragonon</i>	IT	E	20	?	12500	?	29
<i>Uca longisignalis</i>	IT	E	20	?	20000	?	26
<i>Uca urvillei</i>	IT	E	21	250	12398	98	27;38
<i>Cyclograpsus insularum</i>	IT	E	22	460		?	6
<i>Sesarma reticulatum</i>	IT	E	22	450	12000	572	4
<i>Uca mimax</i>	IT	E	23	300	19356	1666	2
<i>Aratus pisonii</i>	IT	E	23	600	34000	3748	4;30
<i>Uca tangeri</i>	IT	E	27	240	59000	413	31
<i>Cyclograpsus lavauxi</i>	IT	E	28	340	?	?	6
<i>Hemigrapsus sanguineus</i>	IT	E	29	380	?	?	4
<i>Pachygrapsus crassipes</i>	IT	E	29	320	17949	294	2
<i>Hemigrapsus nudus</i>	IT	E	33	430	27685	1185	2
<i>Neosarmatium meinerti</i>	IT	E	34	350	60000	1346	38
<i>Goniopsis cruentata</i>	IT	E	35	300	74751	1056	35
<i>Chasmagnathus granulata</i>	IT	E	36	400	78000	2612	4
<i>Panopeus herbstii</i>	IT	E	41	350	54000	1171	2
<i>Plagusia depressa</i>	IT	E	62	450	?	?	4
<i>Grapsus grapsus</i>	IT	E	77	350	?	?	4
<i>Parasesarma leptosoma</i>	IT	E	20	360	?	?	38
<i>Perisesesarma samawati</i>	IT	E	15	380	?	?	38
<i>Helice crassa</i>	IT	E	16	290	16000	194	6;39
<i>Hemigrapsus crenulatus</i>	IT	E	30	310	19000	296	6;39
<i>Hemigrapsus edwardsi</i>	IT	E	28	380	26000	718	6;39
<i>Leptograpsus variegatus</i>	IT	E	40	390	99500	3089	6;39
<i>Goniopsis pulchra</i>	IT	E	?	620	?	?	30
<i>Sesarma curacaoense</i>	IT	R	15	600	1500	170	4
<i>Armases miersii</i>	IT	R	20	600	2360	254	4;38
<i>Geosesarma notophorum</i>	T(F)	D	8	?	10	?	1
<i>Globonautes macropus</i>	T(F)	D	25	?	40	?	1
<i>Geosesarma perracae</i>	T(F)	R	10	?	48	?	1
<i>Sesarma jarvisi</i>	T(F)	R	12	1320	28	34	4
<i>Metopaulias depressus</i>	T(F)	R	19	1500	100	177	4
<i>Sesarma cookei</i>	T(F)	R	19	1250	21	21	4
<i>Sesarma verleyi</i>	T(F)	R	21	1000	?	?	4
<i>Armases ricordi</i>	T(M)	E	16	350	7180	161	20;4
<i>Epigrapsus notatus</i>	T(M)	E	30	?	45000	?	18

<i>Gecarcinus lateralis</i>	T(M)	E	48	200	65000	272	33;16
<i>Gecarcoidea lalandii</i>	T(M)	E	65	?	125000	?	34
<i>Cardisoma guanhumi</i>	T(M)	E	65	390	197100	6119	35
<i>Gecarcinus ruricola</i>	T(M)	E	70	?	85000	?	33
<i>Johngarthia lagostoma</i>	T(M)	E	94	?	71800	?	36
<i>Uca subcylindrica</i>	T(M)	R	13	1000	627	327	22

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