

Appendix I. Comparison of American Lobster Growth Effects With Other Saltwater Species. Data Are From This Study.

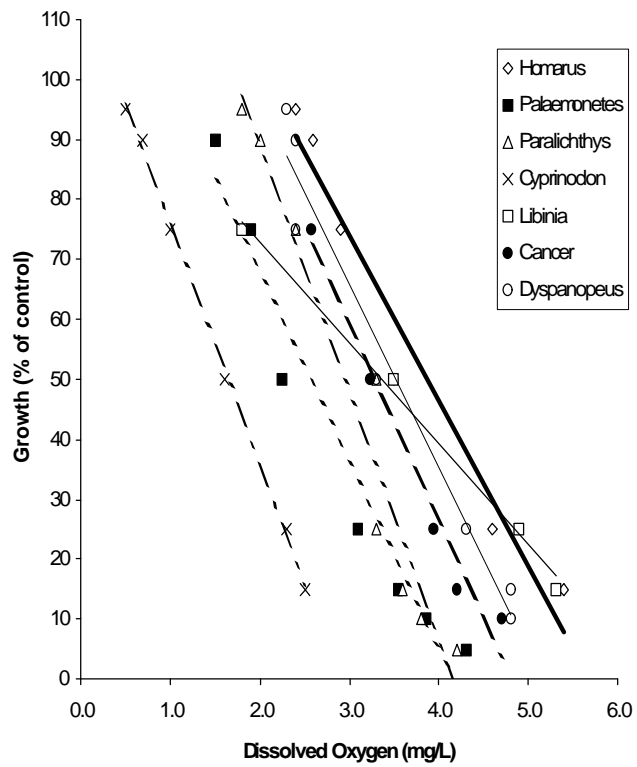


Figure I-1. Plot of growth (percentage impairment relative to control) for several species of saltwater animals. The American lobster (*Homarus americanus*—bold solid line) is the most sensitive tested. Experimental conditions are listed in Table I-1.

Table I-1. Experimental conditions for growth data plotted in Figure I-1.

Species	Common Name	Life Stage	Duration		Salinity (g/kg)	Total N per Treatment	No. Replicates
			(days)	Temp (/C)			
<i>Cancer irroratus</i>	rock crab	stage 5-6	7	20.2	30	40	4
<i>Cancer irroratus</i>	rock crab	megalopae - 1st crab	10	20.3	30.6	20	2
<i>Cyprinodon variegatus</i>	sheepshead minnow	larval	14	20.9	30.5	80	4
<i>Cyprinodon variegatus</i>	sheepshead minnow	larval	7	20.5	31.5	40	4
<i>Dyspanopeus sayi</i>	Say mud crab	larval, stage 1-3	7	20.0	30.5	160	8
<i>Dyspanopeus sayi</i>	Say mud crab	stage 4-megalopae	4	25.0	31.0	120	6
<i>Dyspanopeus sayi</i>	Say mud crab	stage 3-4/megalopae	<=10	24.5	31.5	60	6
<i>Dyspanopeus sayi</i>	Say mud crab	stage 3-4/megalopae	11	19.9	29.0	80	4
<i>Dyspanopeus sayi</i>	Say mud crab	larval, stage 1-3	7	25.0	31	80	4
<i>Dyspanopeus sayi</i>	Say mud crab	larval, stage 3-4	7	20.0	29.0	40	4
<i>Dyspanopeus sayi</i>	Say mud crab	stage 3-megalopae	<=8	25.1	30.88	60	6
<i>Dyspanopeus sayi</i>	Say mud crab	larval, stage 1-3	7	20.3	32.0	80	4
<i>Dyspanopeus sayi</i>	Say mud crab	stage1-3 larvae	7D	25.4	31	80	4
<i>Homarus americanus</i>	American lobster	larval, stage 3-4	6	18.5	31.5	24	2
<i>Homarus americanus</i>	American lobster	larval, stage 3-4	5	20.0	30.5	24	2
<i>Homarus americanus</i>	American lobster	larval, stage 2-3	4	19.7	30.5	24	2
<i>Homarus americanus</i>	American lobster	larval, stage 3-4	5	19.0	30.0	24	2
<i>Homarus americanus</i>	American lobster	larval, stage 2-3	4	18.3	31.0	24	2
<i>Homarus americanus</i>	American lobster	juveniles, stage 5-6	18-27	17.8		48-72	4-6
<i>Homarus americanus</i>	American lobster	larval, stage 4-5	20	18.7	30.0	96	8
<i>Homarus americanus</i>	American lobster	juvenile, stage 5-6	<=29	18.1	31.0	96	8
<i>Libinia dubia</i>	longnose spider crab	larval, stage 1-2	7	20.1	31.5	200	10
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	larval, stage 1-3	7	25.1	31.0	60	4
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	larval, stage 1-4	8	24.7	31	40	4
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	larval, stage 1-4	8	25.2	30	40	4
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	larval, stage 1	7	29.7	31	40	2
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	postlarval	12	25.0	31.0	72-96	6-8
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	postlarval	12	24.0	30.0	96	8
<i>Palaemonetes vulgaris</i>	marsh grass shrimp	postlarval	14	25	31	22	2
<i>Paralichthys dentatus</i>	summer flounder	juvenile (30dpm)	14	19.6	31.0	72	6
<i>Paralichthys dentatus</i>	summer flounder	juvenile (60dpm)	14	20.2	31.0	72	6