

Table 4–4: Critical Life Stage Toxicity Test Species and Protocols^a

Species	Biological Effects Evaluated	California Resident	Lab v. Wild Stock
FRESHWATER			
Ceriodaphnia sp. (crustacean)	survival, reproduction	N	Lab
Pimephales promelas (fathead minnow)	survival, growth	Y	Lab
Selenastrum capricornutum (unicellular algae)	cell division rate	N	Lab
MARINE			
Mysidopsis bahia (crustacean)	survival, growth, fecundity	N	Lab
Molluscs Mytilus edulis (mussel) Crassostrea gigas (oyster) Halotis rufescens (abalone)	embryo development, survival	Y	Wild or Field-cultured
Echinoderms Strongylocentrotus purpuratus, S. franciscanus (urchins) Dendraster excentricus (sand dollar)	fertilization success	Y	Wild
Diatom Plants Skeletonema costatum Thalassiosira pseudonana	cell division rate	Y	Lab
Macrocystis pyrifera (giant kelp)	percent germination, germ	Y	Wild
Champia parvula (red algae)	number of cystocarps	N	Lab
MARINE/BRACKISH			
Menidia beryline	Survival, larval growth	Y	Lab

^a. All technical references and discussion are contained in "modified Guidelines: Effluent Toxicity Characterization Program," San Francisco Bay Regional Water Quality Control Board, September 1991.