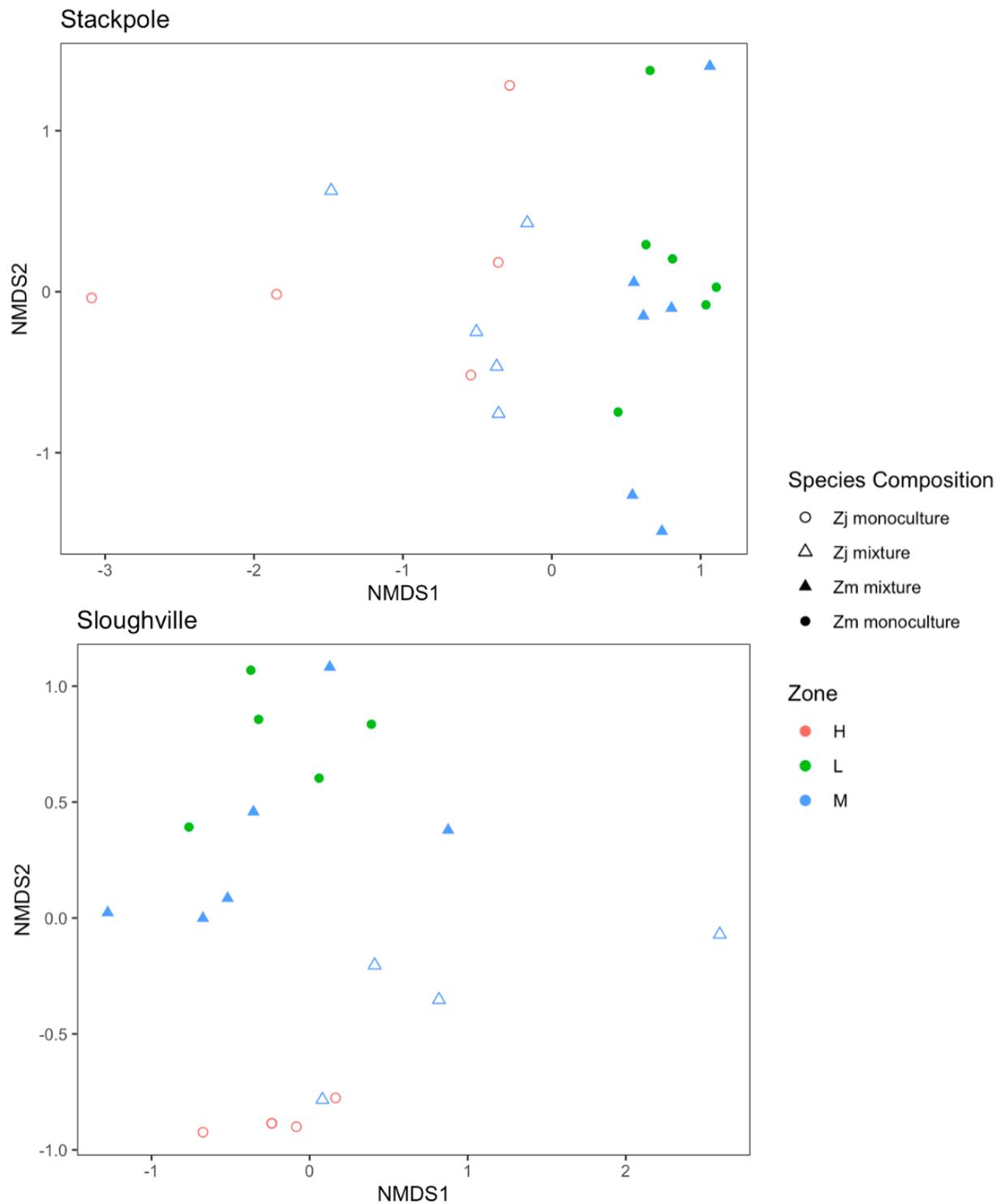
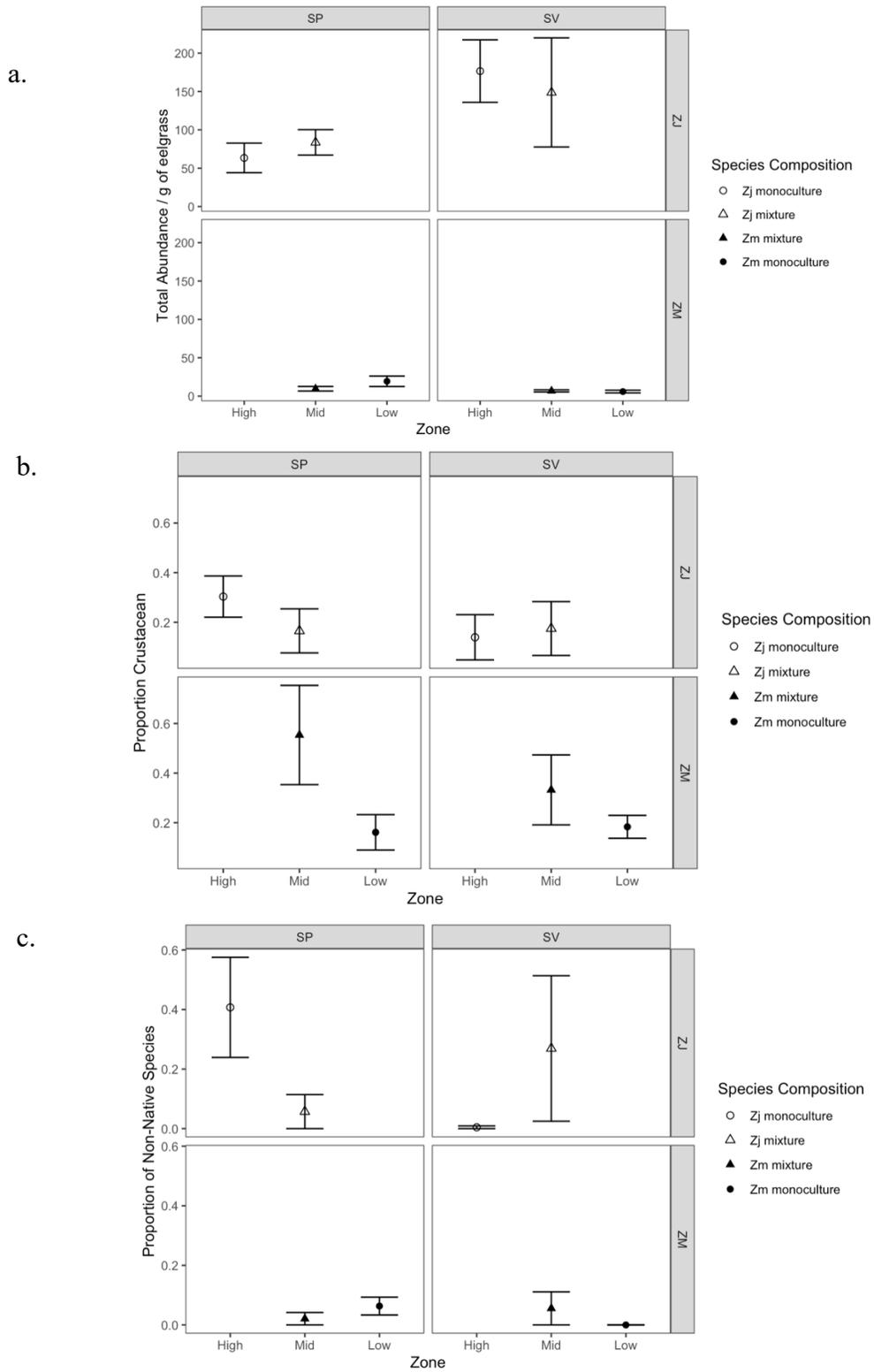


SUPPLEMENTS

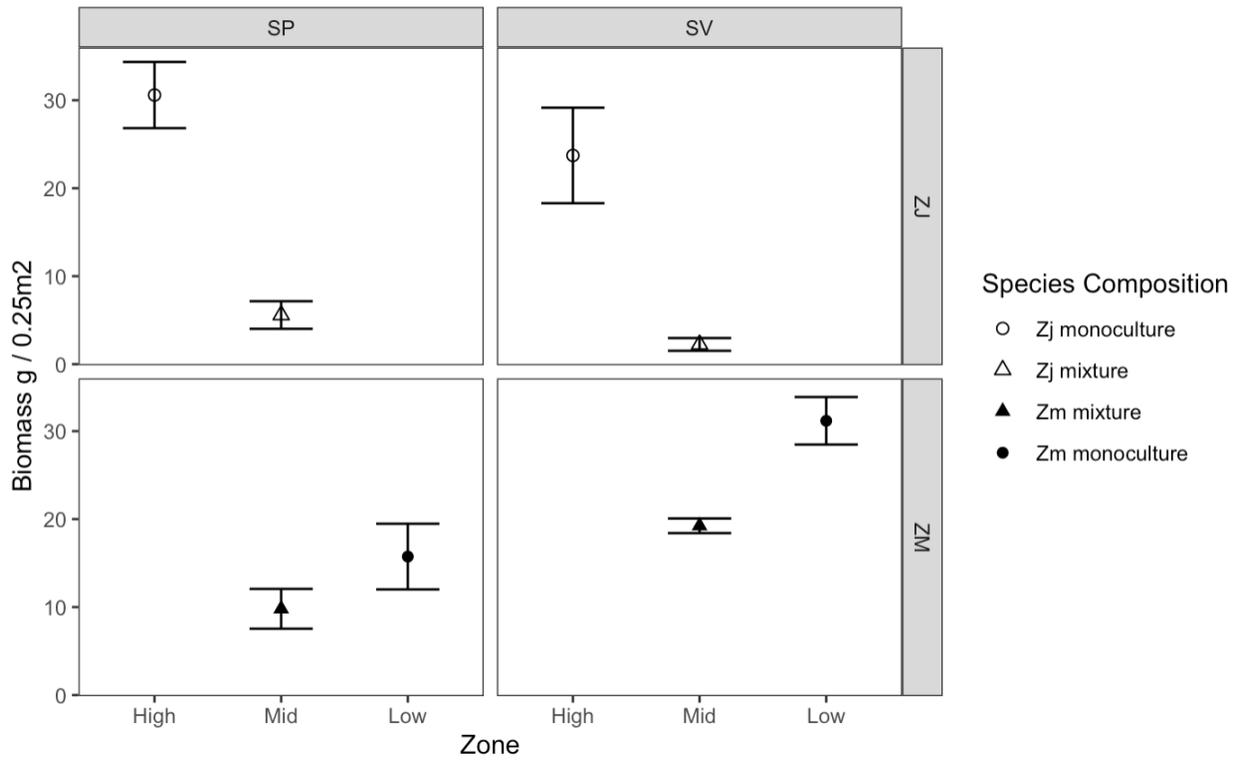


Supplemental Figure 1. NMDS of initial epifaunal community by site. Factors included site, zone, and foundation species (n=6). Colors represent zone, open shapes are *Z. japonica*, closed shapes are *Z. marina*. Triangles represent that the two species overlap. NMDS reveals the two foundation species support different communities.

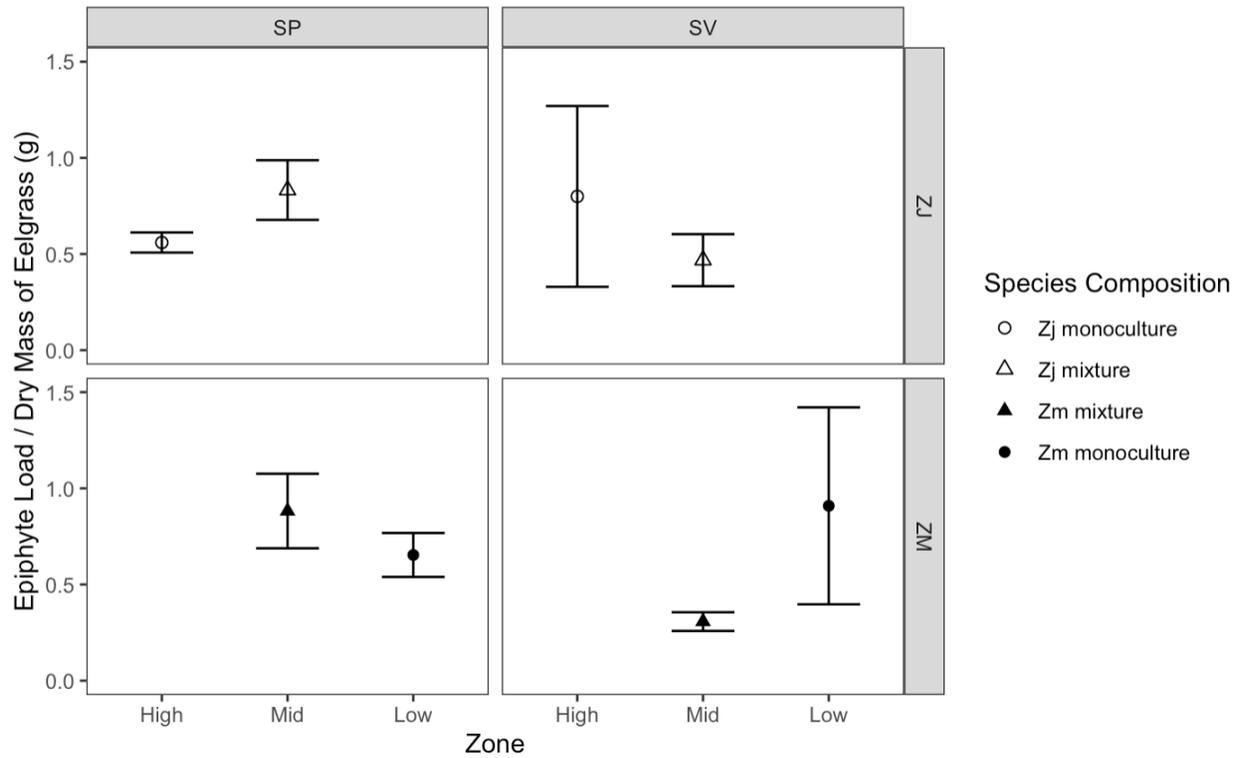


Supplemental Fig. 2. Average, epifaunal abundance per gram of dry eelgrass (a), proportion of crustaceans (b), and proportion of non-native epifaunal invertebrates (c) by site, zone, foundation species, and monoculture vs. mixture for initial sampling (n=6). Site (SP and SV) are separated

by columns and foundation species (ZM and ZJ) is separated by rows. Error bars are one standard error of the mean.

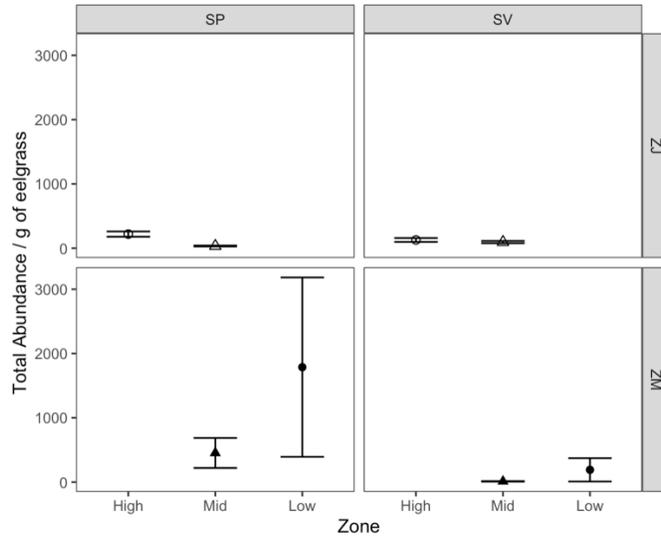


Supplemental Fig. 3. Average biomass in unmanipulated plots by site (SP and SV), zone (High, Mid, Low) and species (ZM and ZJ). In the high there are ZJ monocultures (open circles), at the mid there are mixtures of the two species (triangles), and at the low there are ZM monocultures (closed circles). Error bars represent one standard error of the mean.

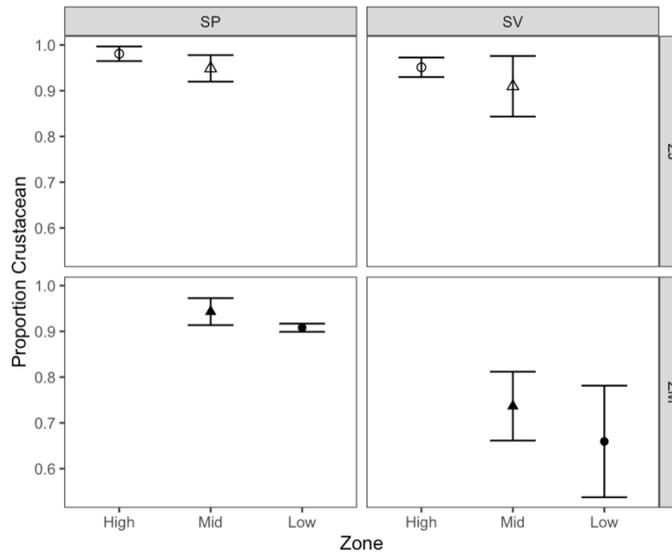


Supplemental Fig. 4. Average dry weight of epiphyte load per gram of dried eelgrass by site (SP and SV), foundation species (ZM and ZJ), and zone (High, Mid, Low) in unmanipulated plots at the end of the experiment (n=6). Error bars represent one standard error of the mean.

a.



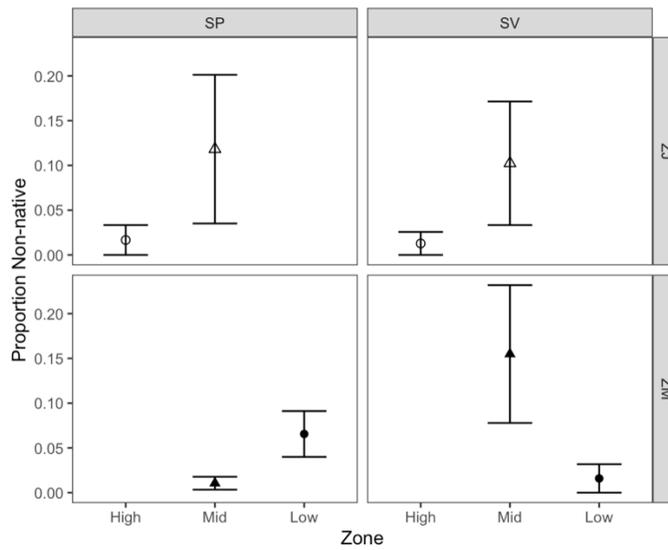
b.



Species Composition

- Zj monoculture
- △ Zj mixture
- ▲ Zm mixture
- Zm monoculture

c.



Supplemental Fig. 5. Average, epifaunal abundance per gram of dry eelgrass (a), proportion of crustaceans (b), and proportion of non-native epifaunal invertebrates (c) by site, zone, foundation species, and monoculture vs. mixture for unmanipulated experimental plots (n=6). Site (SP and SV) are separated by columns and foundation species (ZM and ZJ) is separated by rows. Error bars are one standard error of the mean.

Supplemental Table 1. Raw counts of epifauna from the initial sampling across all sites and tidal elevations. Counts are not adjusted to the biomass of eelgrass.

Group	Species	Raw Counts
Crustacean	Ampithoe.valida	110
Crustacean	Monocorophium.spp	94
Mollusc	lacuna.spp	34
Crustacean	Tanaidacea	19
Crustacean	Paracorophium.spp	15
Polychate	Polynoidae	11
Crustacean	Ampipod	10
Polychate	Syllidae	8
Crustacean	Photis.spp	5
Crustacean	Grandidierella.japonica	5
Polychate	Nereididae	3
Crustacean	Caprellidae	3
Mollusc	Mytilus	3
Crustacean	Cumaceae	2
Other	Diadumene.trilineata	2
Other	Barnacle	2
Mollusc	mollusc.egg.case	1
Crustacean	Isopod	1

Supplemental Table 2. Nekton totals summed across all sites and zones.

Group	Common Name	Scientific Name	Raw Counts
Eelgrass min	Saddleback gunnel	<i>Pholis ornata</i>	3700
Pelagic	Shinner perch	<i>Cymatogaster aggregata</i>	409
Crustaceans	Crangon shrimp	<i>Crangon crangon</i>	80
Benthic	Arrow Golby	<i>Clevelandia ios</i>	4
Benthic	Staghorn Sculpin	<i>Leptocottus armatus</i>	66
Pelagic	Stickleback	<i>Gasterosteus aculeatus</i>	50
Eelgrass min	Pipefish	<i>Sygnathus leptorhyncus</i>	26
Crustaceans	Dungeness crab	<i>Metacarcinus magister</i>	15
Crustaceans	Hippolytid shrimp	<i>Hippolytidae</i>	10
Crustaceans	Green crab	<i>Carcinus maenas</i>	4
Benthic	Stary flounder	<i>Platichthys stellatus</i>	3
Crustaceans	Shore crab	<i>Hemigrapsus</i>	2
Crustaceans	Hermit crab	<i>Pagurus spp</i>	2

Supplemental Table 3. Raw counts of epifauna summed across all sites, zones, foundation species, and monoculture vs. mixture. Counts are not standardized to eelgrass biomass.

Group	Species	Raw Counts
Crustacean	<i>Ampithoe.valida</i>	2234
Crustacean	<i>Monocorophium.spp.</i>	763
Crustacean	Juvenile.caprellid	248
Crustacean	<i>Caprella.californica</i>	221
Crustacean	<i>Paracorophium.spp.</i>	153
Crustacean	Syllidae/Hesionidae	86
Crustacean	Tanaidacea	47
Crustacean	Amphipod	33
Mollusc	<i>Lacuna.spp</i>	31
Crustacean	<i>Ampithoe.lacertosa</i>	31
Polychate	Nereidae	25
Other	Insect.larvae	21
Other	<i>Didumene.triliniata</i>	19
Crustacean	Calliopoioidea	18
Crustacean	<i>Idotea.rufescens</i>	13
Mollusc	<i>Mytilus</i>	13
Crustacean	<i>Grandidierella.japonica</i>	10
Other	Hirudinea	7
Mollusc	<i>Crepidula.spp.</i>	7
Crustacean	Cumacea	6
Polychate	Polynoidae	6
Crustacean	<i>Photis.spp.</i>	4
Crustacean	Aoridae	4
Crustacean	<i>Caprella.spp.</i>	3
Crustacean	<i>Allochestes.spp.</i>	3
Polychate	Polychate	3
Polychate	Spionidae	3
Crustacean	Barnacle	2
Mollusc	Mollusc.egg.case	2
Other	Anenome	2
Other	<i>Amphibalanus.improvisus</i>	1
Polychate	Tubellaria	1
Crustacean	<i>Anisogammarus.pugettensis</i>	1