

Electronic Supplemental Material:

The *Fucus* flow: wide intertidal zones amplify rockweed wrack subsidies to shoreline invertebrates

Estuaries and Coasts

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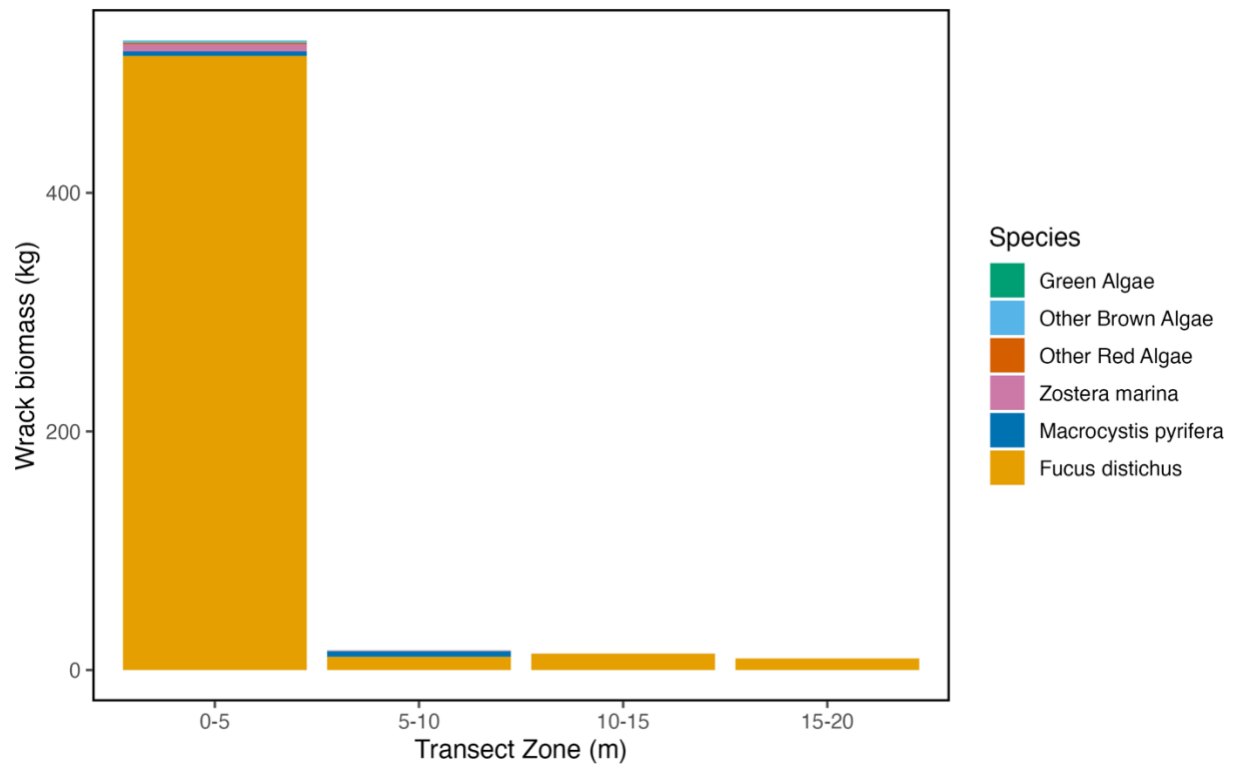


Figure S1: Zonation of all wrack biomass measured at 13 beaches (excluding two beaches, *Magic* and *Sandy*, which were not sampled by zone). 92.9% of all wrack biomass occurred within the upper zone (0-5m from supratidal) of these 13 beaches.

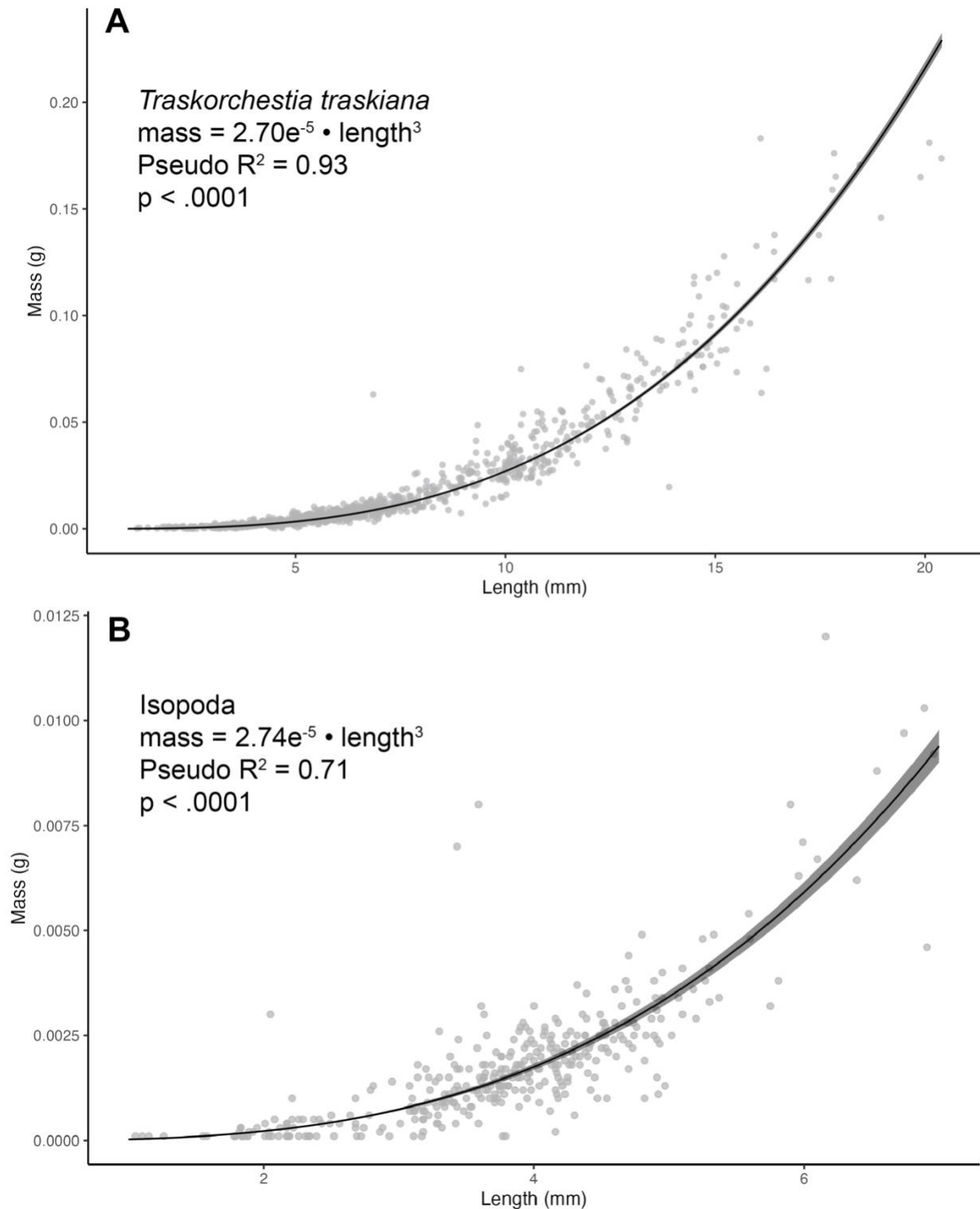


Figure S2: Length-mass relationship curves and equations for the two primary groups of sampled invertebrates: (A) *Traskorchestia traskiana* amphipods and (B) isopods (order Isopoda). Points are individual invertebrates that were both measured and massed, lines are nonlinear least-squares regressions fitted to the invertebrate measurements, and shaded regions represent 95% confidence intervals.

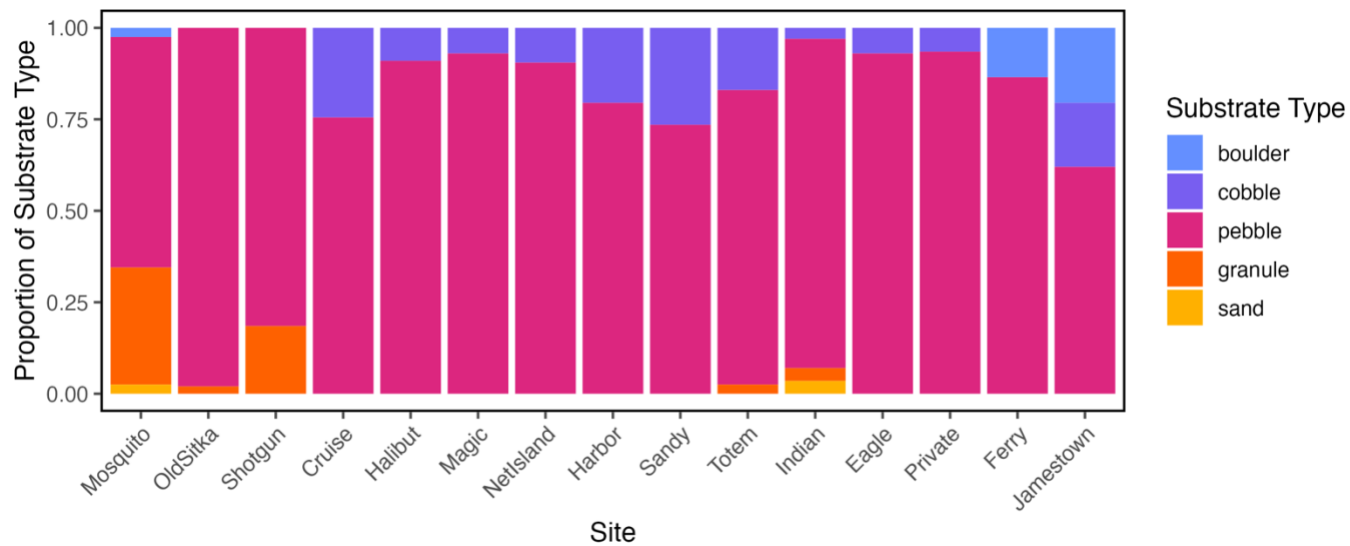


Figure S3. Proportion of beach substrate cover type per site.

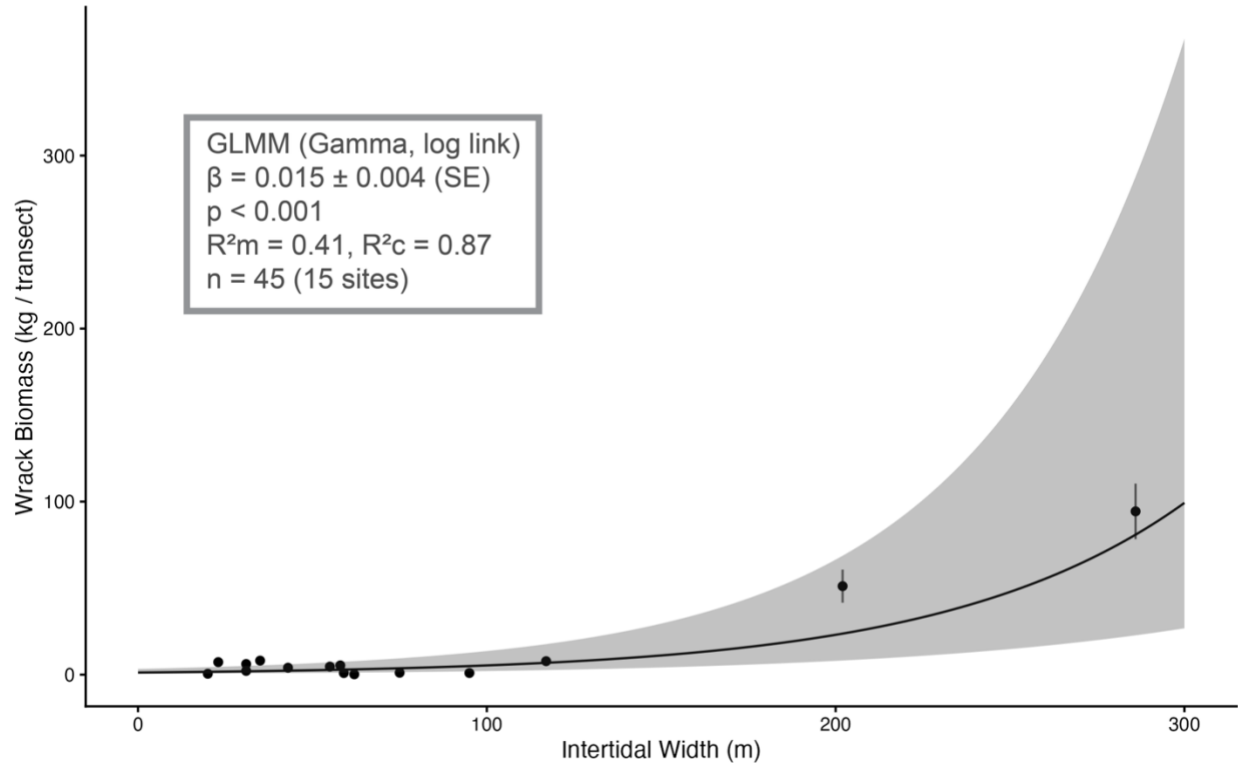


Figure S4: Generalized linear mixed-effects model with gamma distribution, log link function, and site as a random effect illustrating the relationship between intertidal width and wrack biomass. The shaded region represents $\pm$ SE. Each point represents the mean wrack biomass per transect at each site and vertical error bars representing $\pm$ SE.

Table S1: List of macrophyte species found in wrack samples throughout the study region, sorted by taxonomic group.

Taxonomic Group	Species
Brown algae	<i>Chordaria flagelliformis</i> <i>Cymathaere triplicata</i> <i>Desmarestia aculeata</i> <i>Fucus distichus</i> <i>Leathesia marina</i> <i>Macrocystis pyrifera</i> <i>Nereocystis luetkeana</i> <i>Pylaiella littoralis</i> <i>Saccharina latissima</i>
Red algae	<i>Ahnfeltia fastigiata</i> <i>Ceramium pacificum</i> <i>Chondracanthus exasperatus</i> <i>Cladophora sericea</i> <i>Dumontia alaskana</i> <i>Endocladia muricata</i> <i>Gloiopeltis furcata</i> <i>Grateloupia californica</i> <i>Halosaccion glandiforme</i> <i>Mastocarpus spp.</i> <i>Mazzaella phyllocharpa</i> <i>Microcladia borealis</i> <i>Neorhodomela larix</i> <i>Neorhodomela oregona</i> <i>Neorhodomela spp.</i> <i>Odonthalia floccosa</i> <i>Opuntiella californica</i> <i>Osmundea spectabilis</i> <i>Palmaria palmata</i> <i>Polysiphonia pacifica</i> <i>Ptilota serrata</i> <i>Pyropia spp.</i>
Green algae	<i>Acrosiphonia coalita</i> <i>Chaetomorpha sp.</i> <i>Cladophora sericea</i> <i>Ulva intestinalis</i> <i>Ulva latuca</i> <i>Ulva prolifera</i>
Seagrasses	<i>Zostera marina</i>