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An analysis of the meroplankton assemblages of Station L4 and the development and application of molecular techniques to aid taxonomic resolution.

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Historical abundance data derived from Lebour (1947). 0=Absent, 1=Rare, 2=Common, 3=Abundant.

Species		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<i>Carcinus maenas</i>	Inshore	2	2	2	2	3	3	3	3	3	1	1	1
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Liocarcinus depurator</i>	Inshore	1	1	2	2	2	2	2	2	2	1	1	1
	Offshore	2	2	3	3	3	3	3	3	3	2	2	2
<i>Liocarcinus pusillus</i>	Inshore	1	1	1	3	1	1	1	0	0	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Necora puber</i>	Inshore	1	1	3	3	3	3	3	2	2	1	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Liocarcinus holsatus</i>	Inshore	0	0	0	0	1	1	0	0	0	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Liocarcinus marmoreus</i>	Inshore	0	0	1	1	1	1	0	0	0	1	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Portunus latipes</i>	Inshore	0	0	0	0	0	1	1	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cancer pagurus</i>	Inshore	0	0	0	2	3	3	3	2	2	0	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Atelecyclus rotundatus</i>	Inshore	0	1	2	2	3	3	3	2	2	1	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xantho spp.</i>	Inshore	0	0	0	0	0	1	1	1	0	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pilumnus hirtellus</i>	Inshore	0	0	0	0	1	1	2	1	1	1	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thia scutellata</i>	Inshore	0	0	0	0	0	0	0	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Goneplax rhomboides</i>	Inshore	0	0	0	0	0	1	2	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pinnotheres veterum</i>	Inshore	0	0	0	0	0	1	1	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ebalia (tuberosa)</i>	Inshore	0	1	1	1	1	1	2	2	2	1	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Maja squinado</i>	Inshore	0	0	0	1	1	1	1	1	1	1	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eurynome aspera</i>	Inshore	0	0	0	0	0	0	1	1	1	1	0	0
	Offshore	0	0	0	0	0	0	3	3	3	3	0	0
<i>Hyas coarctatus</i>	Inshore	0	0	1	0	0	0	0	0	0	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Inachus (dorsettensis)</i>	Inshore	0	0	0	0	2	2	2	2	2	2	0	0
	Offshore	0	0	0	0	3	3	3	3	3	3	0	0
<i>Macropodia (rostrata)</i>	Inshore	1	1	1	1	1	1	1	1	1	1	1	1
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pisidia longicornis</i>	Inshore	1	1	2	2	2	3	3	3	2	1	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porcellana platycheles</i>	Inshore	0	0	0	2	2	3	2	2	2	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galathea squamifera</i>	Inshore	1	2	2	3	3	2	2	1	2	1	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galathea strigosa</i>	Inshore	1	1	1	2	2	1	1	1	1	1	0	0
	Offshore	2	2	2	3	3	2	2	2	2	1	0	0
<i>Munida rugosa</i>	Inshore	0	0	1	0	1	0	0	0	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pagurus benhardus</i>	Inshore	2	2	2	2	2	2	2	2	2	2	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pagurus prideauxi</i>	Inshore	2	2	2	2	2	2	2	2	2	2	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anapagurus laevis</i>	Inshore	2	2	2	2	2	2	2	2	2	2	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Homarus gammarus</i>	Inshore	0	0	0	0	0	1	1	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Palinurus elephas</i>	Inshore	0	0	0	0	0	1	1	1	0	0	0	0
	Offshore	0	2	2	2	2	2	2	2	2	0	0	0
<i>Axius stirrhynchus</i>	Inshore	0	0	0	0	0	2	3	2	2	2	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Callinassa subterranea</i>	Inshore	0	0	0	0	0	3	3	3	3	3	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Jaxea nocturna</i>	Inshore	0	0	0	0	0	1	1	1	0	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Upogebia deltaura</i>	Inshore	0	0	0	0	2	2	3	3	3	2	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Upogebia stellata</i>	Inshore	0	0	0	2	2	3	3	3	3	2	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Athanas nitescens</i>	Inshore	0	0	0	0	0	2	3	3	3	2	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Alpheus ruber</i>	Inshore	0	0	0	0	0	2	2	2	2	2	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crangon crangon</i>	Inshore	1	2	2	3	3	3	3	3	2	2	1	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crangon allmanni</i>	Inshore	0	1	1	1	0	0	0	0	0	0	0	0
	Offshore	0	2	2	2	2	0	0	0	0	0	0	0
<i>Philocheiras fasciatus</i>	Inshore	0	0	0	0	1	1	1	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Philocheiras trispinosus</i>	Inshore	0	0	0	0	0	0	1	0	0	0	0	0
	Offshore	0	0	0	2	2	2	2	2	2	0	0	0
<i>Philocheiras bispinosus</i>	Inshore	0	0	1	1	1	1	1	1	1	1	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hippolyte varians</i>	Inshore	2	2	2	2	2	2	2	2	3	3	2	2
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thorulus cranchii</i>	Inshore	1	1	1	2	2	2	2	3	3	3	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eualus occultus</i>	Inshore	1	1	1	2	2	2	2	3	3	3	2	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cardion steveni</i>	Inshore	0	0	0	1	1	1	0	0	0	1	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pandatus montagui</i>	Inshore	0	1	1	1	1	1	1	1	1	1	0	0
	Offshore	0	0	0	2	2	2	2	2	2	2	0	0
<i>Pandalina brevicornis</i>	Inshore	2	2	2	2	2	2	2	2	2	2	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Processa edulis</i>	Inshore	0	0	0	3	3	3	3	3	3	3	0	0
	Offshore	0	0	0	3	3	3	3	3	3	3	0	0
<i>Processa canaliculata</i>	Inshore	0	0	0	2	2	2	2	2	2	0	0	0
	Offshore	0	0	0	3	3	3	3	3	3	0	0	0
<i>Palaemon serratus</i>	Inshore	2	2	2	2	2	3	3	3	2	2	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Palaemon elegans</i>	Inshore	0	0	0	0	2	2	2	2	2	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nyctiphanes couchii</i>	Inshore	0	0	0	0	0	0	0	0	0	0	0	0
	Offshore	1	0	1	1	2	2	0	0	1	1	1	0

Gastropoda	Inshore	1	1	1	1	1	2	2	2	2	1	1	1
larvae indet.	Offshore	1	1	1	1	1	2	2	2	2	1	1	1
<i>Patella</i>	Inshore	3	2	1	1	0	0	0	0	2	2	2	3
<i>vulgata</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Helcion</i>	Inshore	0	1	0	0	0	0	0	1	1	0	1	1
<i>pellucidum</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Littorina</i>	Inshore	2	2	3	2	2	2	1	2	2	2	2	2
<i>litorea</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Melaraphe</i>	Inshore	1	1	1	1	0	0	0	0	0	1	0	1
<i>neritoides</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rissoid</i>	Inshore	0	0	0	3	3	3	3	3	3	3	3	3
larvae	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tornus</i>	Inshore	0	0	0	0	0	0	0	0	0	0	1	1
<i>subcarinatus</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trivia</i>	Inshore	1	1	1	1	1	0	0	0	0	0	0	0
<i>arctica</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>monacha</i>	Inshore	0	0	0	1	1	1	1	1	1	0	0	0
	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lamellaria</i>	Inshore	1	1	1	1	1	2	2	1	1	1	1	1
<i>perspicua</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Simnia</i>	Inshore	0	0	0	0	0	1	1	1	1	0	0	0
<i>patula</i>	Offshore	0	0	0	0	0	1	1	1	1	0	0	0
<i>Polinices</i>	Inshore	0	0	1	1	1	2	2	1	1	1	0	0
<i>catena</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bitium</i>	Inshore	0	0	0	0	0	0	1	1	0	0	0	0
<i>reticulatum</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Triphora</i>	Inshore	0	0	0	0	0	0	1	1	1	1	0	0
<i>perversa</i>	Offshore	0	0	0	0	0	0	2	2	2	2	0	0
<i>Cerithiopsis</i>	Inshore	0	0	0	0	0	1	1	1	1	1	0	0
<i>tubercularis</i>	Offshore	0	0	0	0	0	1	1	1	1	1	0	0
<i>Cerithiopsis</i>	Inshore	0	0	0	0	0	0	0	1	0	0	0	0
<i>barleei</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Caecum</i>	Inshore	1	0	0	0	0	0	2	2	2	2	3	1
sp.	Offshore	1	0	0	0	0	0	2	2	2	2	3	1
<i>Hinia</i>	Inshore	0	0	2	2	2	2	1	1	1	1	0	0
<i>reticulata</i>	Offshore	0	0	2	2	2	2	1	1	1	1	0	0
<i>Hinia</i>	Inshore	0	0	0	1	1	1	1	1	1	1	0	0
<i>incrassata</i>	Offshore	0	0	0	1	1	1	1	1	1	1	0	0
<i>Haedropleura</i>	Inshore	0	0	0	0	1	1	2	1	1	0	0	0
<i>septangularis</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mangelia</i>	Inshore	0	0	0	0	0	0	1	1	1	1	1	0
<i>nebula</i>	Offshore	0	0	0	0	0	0	1	1	1	1	1	0
<i>Comarmondia</i>	Inshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>gracilis</i>	Offshore	0	0	0	0	2	2	3	3	2	0	0	0
<i>Raphitoma</i>	Inshore	0	0	0	0	0	2	3	2	2	2	0	0
<i>linearis</i>	Offshore	0	0	0	0	0	2	3	2	2	2	0	0
<i>Bivalva</i>	Inshore	1	1	2	2	2	2	2	2	3	2	1	1
larvae indet.	Offshore	1	1	2	2	2	2	2	2	3	2	1	1
<i>Heteranomia</i>	Inshore	1	1	0	0	1	1	1	3	3	3	1	1
<i>squamula</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mytilus</i>	Inshore	1	1	0	1	2	1	1	1	0	1	1	0
<i>edulis</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pecten</i>	Inshore	1	1	1	1	1	1	1	1	2	2	1	1
sp.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lima</i>	Inshore	1	0	1	0	0	1	1	1	2	3	3	1
<i>hians</i>	Offshore	1	0	1	0	0	1	1	1	2	3	3	1
<i>Kellia</i>	Inshore	1	1	1	1	1	1	1	2	2	1	1	1
<i>suborbicularis</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mysella</i>	Inshore	0	1	0	0	0	0	0	1	2	1	0	0
sp.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ensis</i>	Inshore	2	1	2	1	1	1	1	1	1	1	2	0
sp.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hiatella</i>	Inshore	0	1	1	1	1	1	1	1	2	2	1	1
<i>arctica</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polychaeta</i>	Inshore	1	1	1	1	1	1	1	1	1	1	1	1
larvae indet.	Offshore	1	1	1	1	1	1	1	1	1	1	1	1
<i>Polynoid</i>	Inshore	0	0	1	1	0	0	1	1	0	1	0	0
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Syllid</i>	Inshore	0	0	0	0	0	1	1	0	0	0	0	0
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Autolytus</i>	Inshore	1	1	1	1	1	1	1	1	1	1	1	1
sp.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nereidae</i>	Inshore	1	1	1	1	1	0	1	0	2	1	2	1
indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spionidae</i>	Inshore	1	1	2	2	0	1	1	1	0	1	1	1
indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Magelona</i>	Inshore	1	0	1	1	2	2	2	1	1	1	1	1
<i>mirabilis</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Magelona</i>	Inshore	0	0	0	1	1	1	1	1	1	1	0	0
sp.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Poecilochaetus</i>	Inshore	0	1	1	1	2	1	1	1	1	1	1	0
<i>serpens</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetopterus</i>	Inshore	0	0	0	0	0	0	0	1	1	1	1	0
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Arenicola</i>	Inshore	0	0	1	1	1	0	0	0	0	0	1	0
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pectinaria</i>	Inshore	0	0	0	1	1	1	1	1	0	0	0	1
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lanice</i>	Inshore	0	1	1	2	2	2	2	2	2	2	1	1
<i>conchilega</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Loimia</i>	Inshore	1	1	2	2	2	1	0	0	0	0	0	0
<i>medusa</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophiotrix</i>	Inshore	0	1	1	1	1	2	2	2	2	1	1	0
<i>fragilis</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophioplutei</i>	Inshore	0	0	0	0	0	0	0	1	1	1	1	0
indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Echinoplutei</i>	Inshore	0	0	0	0	1	1	2	2	1	1	1	0
indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asterias</i>	Inshore	0	0	0	0	0	1	0	0	0	0	0	0
bipinnaria indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Holothuria</i>	Inshore	0	0	1	1	1	1	1	0	0	0	0	0
<i>auticulata</i>	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nemertea</i>	Inshore	0	0	1	1	1	1	0	1	1	1	1	0
indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bryozoa</i>	Inshore	2	2	2	2	3	2	2	2	2	2	2	2
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Enteropneusta</i>	Inshore	0	0	0	0	0	1	1	1	0	0	0	0
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phoronidea</i>	Inshore	0	0	0	1	1	1	1	1	0	0	0	1
larvae indet.	Offshore	0	0	0	0	0	0	0	0	0	0	0	0