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Copepoda

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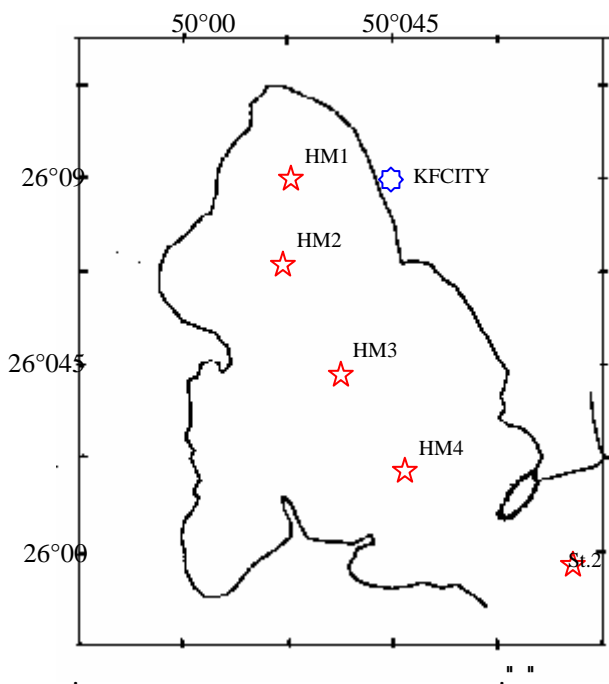
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. (Seguin *et al.*, 1997)

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Prasad, 1964; Basson *et al.*, 1977; Grice &)
Gibson, 1978; Michel *et al.*, 1980, 1981,1986; Salman *et al.*, 1990; Grabe & Lees,
(1995; Sharaf & Al-Ghais, 1997 ; Nour El-Din & Ghobashy, 1999

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 Refractometer () ()
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(Lorenzen, 1967)

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$$\text{Chl a} = [11.85 * (A664 - A750) - 1.54 * (A647 - A750) - 0.08 * (A630 - A750)]$$

Rose, 1933, Fenaux, 1967, Tregouboff &)

. (Rose, 1978

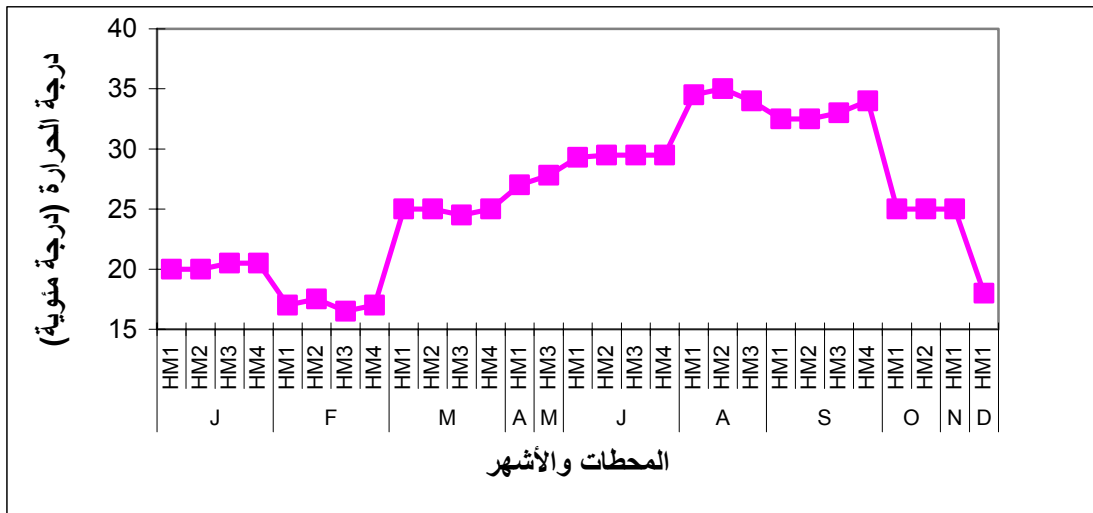
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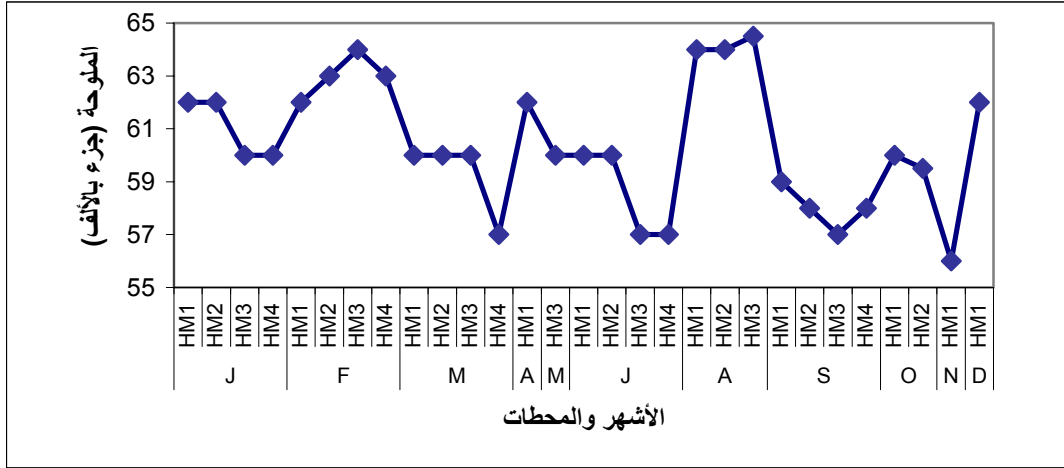


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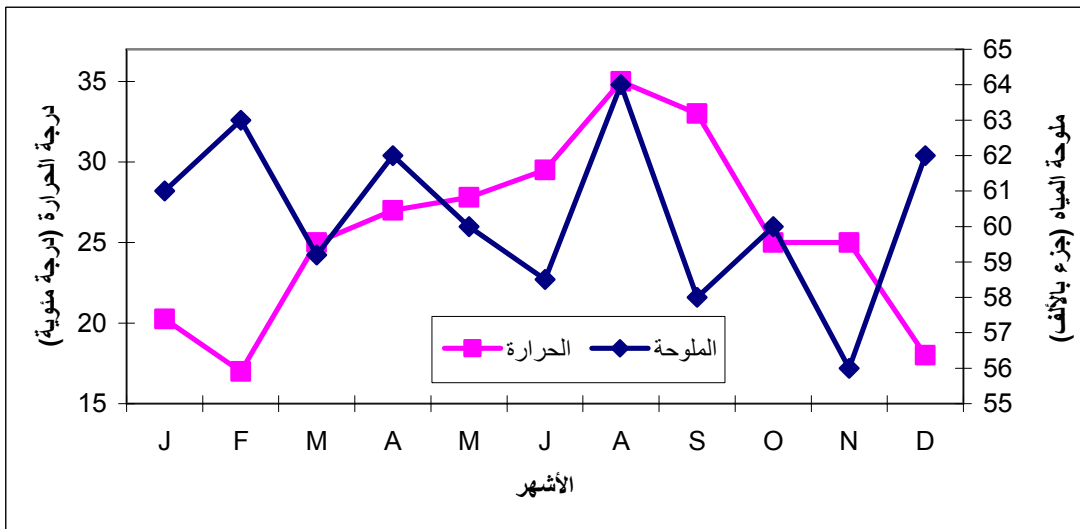
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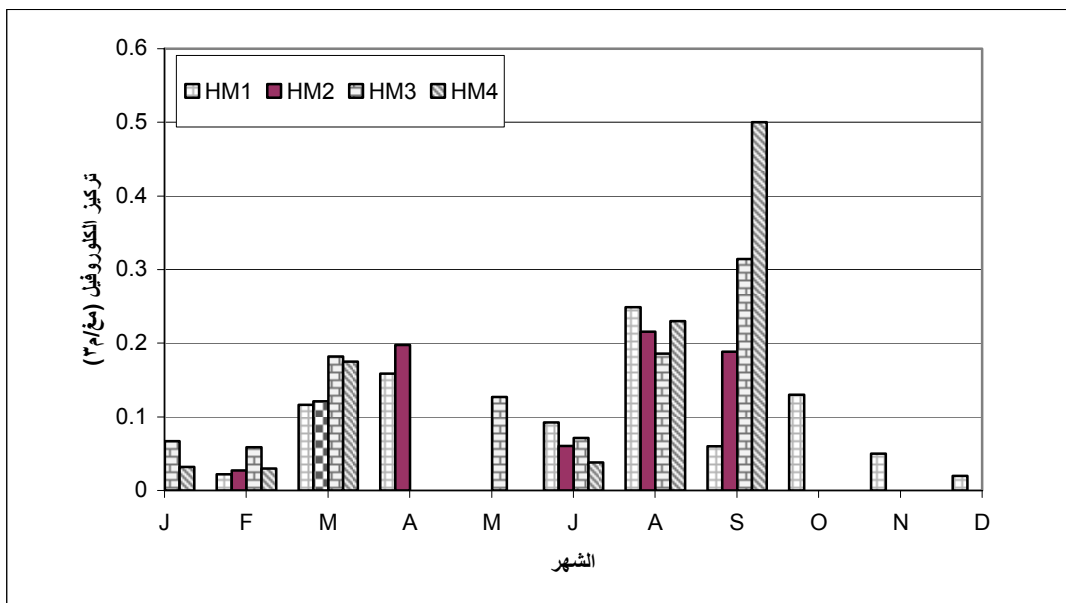
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 , -) Al-Ansari et al.(1998) ()
 (/ ,) Nour El-Din & Ghobashy (1999) (/

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		Hydromedusa
		Scyphozoa
		Ctenophora
		Polychaeta larva
		Pteropoda
		Chaetognatha
		Ostracoda
		Cladocera
		Copepoda
		Amphipoda
		Cumacea
		Cirripedia larva
		Euphausiacea larva
		Decapoda larva
		Larvacea
		Salpida
		Ascidians larva
		Egg & Fishs larva

Copepods

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Calanoids, Cyclopoids, Harpactoids

Calanoids
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Charistiphanus fugiens
Podocoryne areolata %
Stegosoma nasnumi
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Acartia, Eucalanus, Paracalanus :
 Cyclopoids *Oithona* Calanoids *Temora*

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Groups/Saison	Spring	Summer	Automn	Winter
Hydromedusa				
<i>Phialidium hemispheracum</i>	—	—	—	*
<i>Podocoryne areolata</i>	—	—	—	*
Jellifish larva	*	—	—	—
Ctenophora	—	—	—	—
<i>Charistiphanus fugiens</i>	—	—	*	—

Polychaeta+ larva				
<i>Maupasia isochaeta</i>	*	—	—	—
<i>Nerine feliosa</i>	*	—	—	—
<i>Rhynchonella fulgens</i>	*	—	—	—
Polychaeta larva	*	—	*	—
Nematoda	*	—	—	—
Pteropoda				
<i>Limacina inflata</i>	*	*	—	—
<i>Limacina sp</i>	*	*	—	*
Gastropoda larva	*	—	—	—
Chaetognatha				
<i>Sagitta inflata</i>	*	—	—	*
<i>S.nana</i>	*	—	—	—
<i>S. setosa</i>	*	—	—	—
<i>Sagitta sp.</i>	—	*	—	—
Ostracoda				
<i>Asterope mariae</i>	*	—	—	—
<i>Conchoecia obtusata</i>	*	—	—	—
<i>Conchoecia sp.</i>	*	—	*	—
<i>Cypridina sp</i>	*	—	—	—
Copepoda				
Calanoida				
<i>Acartia bifilosa</i>	*	—	—	—
<i>A. clausi</i>	*	—	*	*
<i>A. longermis</i>	*	—	—	—
<i>Acartia sp</i>	*	*	—	—
<i>Aetideus armathus</i>	*	—	—	—
<i>Candatia longimana</i>	*	—	—	—
<i>Candatia sp</i>	—	—	*	—
<i>C. violacus</i>	*	—	—	—
Centropages sp.	*	—	*	*
<i>Clausocalanus arcuicornis</i>	*	—	—	—
<i>Eucalanus attentacus</i>	*	—	—	—
<i>E. monachus</i>	*	*	*	—
<i>E. crassis</i>	—	—	*	—
<i>Eucalanus sp.</i>	*	—	*	*
Paracalanus aculeatus	*	—	*	—
<i>P. parvus</i>	*	—	*	*
<i>P. crassirostris</i>	*	—	—	—

<i>Paracalanus sp.</i>	*	*	*	*
Phaenna sp.	*	—	—	—
Pontella sp.	*	—	—	—
Temora longicornis	*	—	*	—
<i>T. stylifera.</i>	*	—	—	*
<i>T. turbinata</i>	*	—	—	—
<i>Naupliis</i>	—		*	*
Cyclopoida				
Corycaeus sp.	*	—	—	—
Oithona brevicornis	*	—	—	—
<i>O.nana</i>	—	—	—	*
<i>O.plumifera</i>	*	—	—	—
<i>Oithona sp.</i>	*	—	—	*
Oncaea media	*	—	—	—
<i>Oncaea sp.</i>	—	—	—	*
Sapphirina lacteus	*	—	—	—
Harpacticoida				
Aegistus aculeatus	*	—	—	*
<i>Aegistus sp.</i>	*	—	—	*
Clytemnestra scutellata	*	—	—	
Euterpina acutifrons	*	—	—	*
Macrosetella gracilis	*	*	—	—
Microsetella rosea	*	—	—	—
Monstrilla sp.	*	—	—	—
<i>Tisbe sp</i>	—	*	—	—
Amphipoda		*		
Heperia sp.	*	—	—	—
Hyperioides longipes	*	—	—	—
Phronoima stebbigni	*	—	—	—
Rhabdosoma sp	*	—	—	—
Scina borealis	*	—	—	—
Vibilia viatrix	*	—	—	—
Cumacea	*	—	—	—
Euphaciacea larva	*	—	—	—
Decapoda larva				
Carcinus sp	*	—	—	—
Eupagarus sp.	*	—	—	—
Macropodia longirostris	*	—	—	—
Porcellana longicornis	*	—	*	—

<i>Portunus puber</i>	*	—	*	—
Mysis+ metazoe	*	—	*	—
Other decapoda larva (Zoe)	*	*	—	—
<i>Lucifer hansani</i>	*	*	—	—
Cirripedia larva				
<i>Balanus sp.</i>	*	*	*	*
Larvacea				
<i>Oikopleura dioica</i>	*	—	—	*
<i>Oikopleura sp.</i>	—	—	—	*
<i>Stegosoma nasnumi</i>	—	—	—	*
Salpida				
<i>Salpa maxima</i>	*	—	—	—
Ascidian larva				
<i>Ascidian larva</i>	*	*	—	—
Fish eggs & larva	*		*	*

Michel *et al.* (1982)

Nour El-Din & Ghobashy (1999) Hussein (1992)

Basson *et al.* (1978)

Paracalanus

El-Serehy

() (1998)

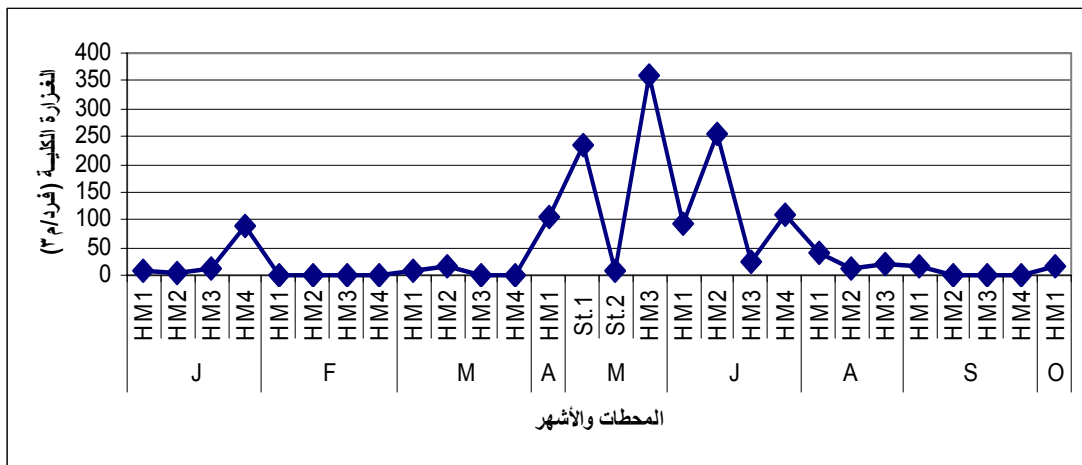
() Michel *et al.* (1986)

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Michel *et al.* (1986)

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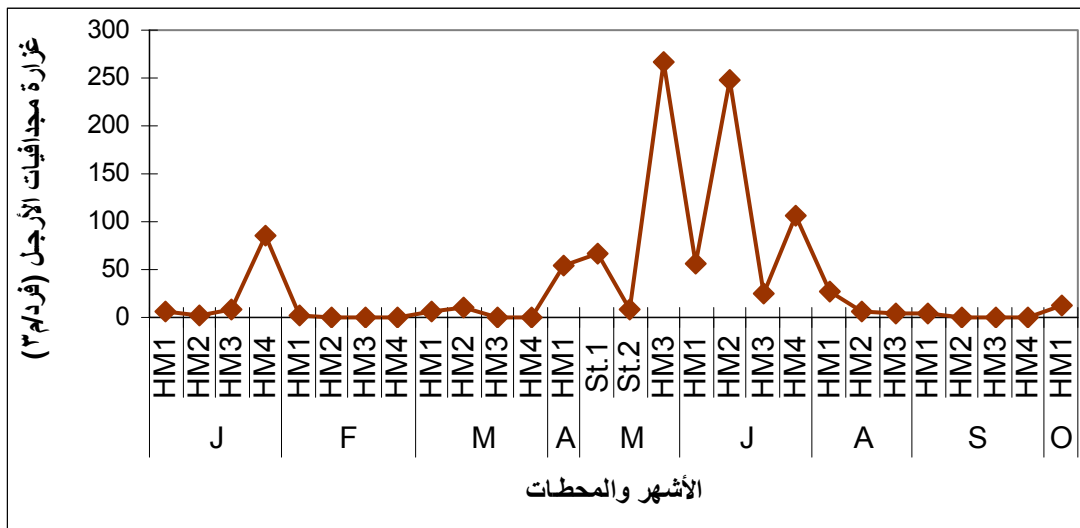
(El- Serehy , 1998)

(Haridas, 1986

Nour El-Din & Ghobashy (1999)

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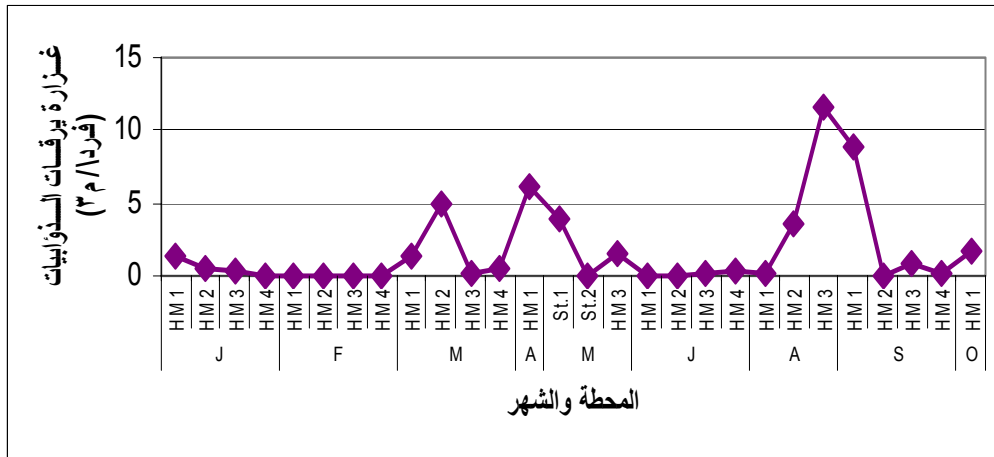
) *Paracalanus* (*A.clausii*) *Acartia* Calanoids
Eucalanus (*P.parvu*
Oithona , *Macrosetilla*
Yamani *et al.* (1998) Nour El-Din & Ghobashy (1999)

Calanoids

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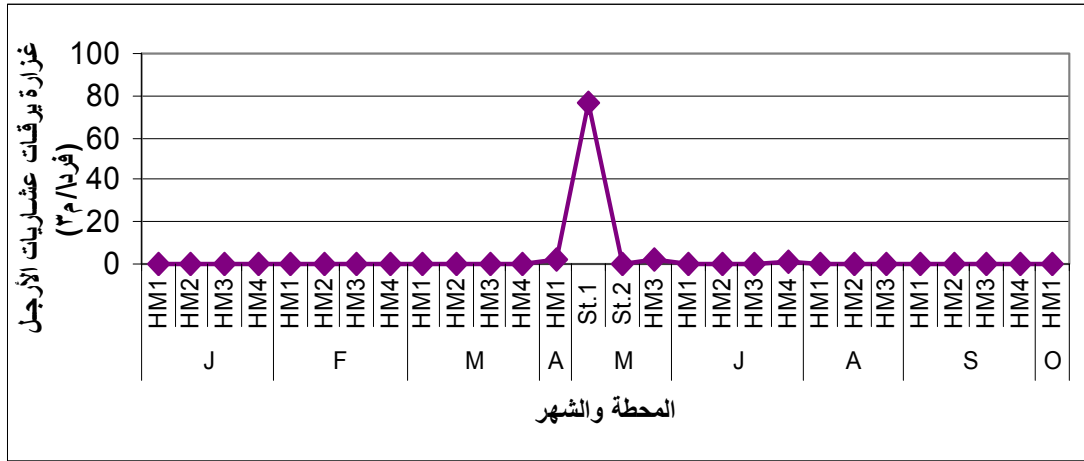
Cirripedia larvae

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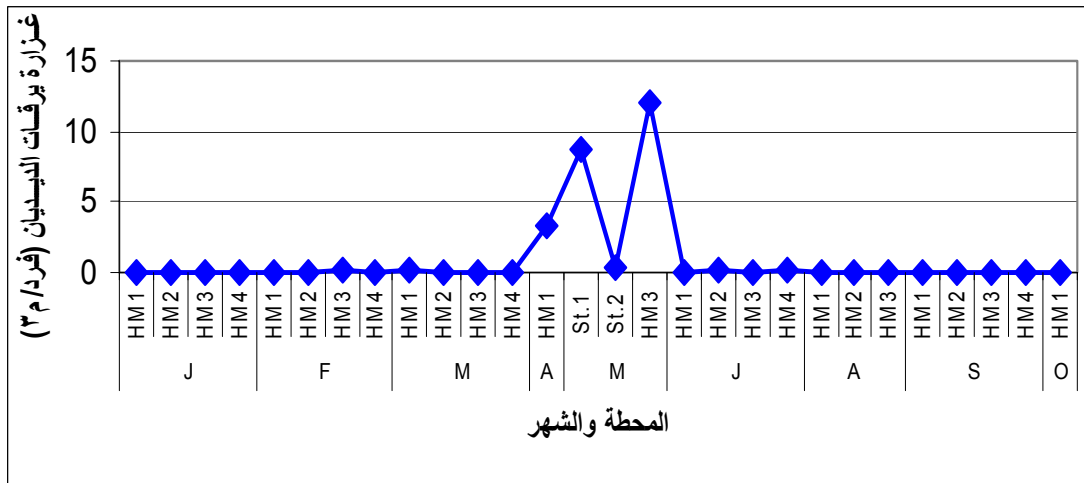
Cirripedia larva

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Decapoda larva

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Annelida Larva

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Pteropoda

Chaetognatha

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Gastropoda larvae

Ascidian larvae

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HM1 (/)

Larvacea

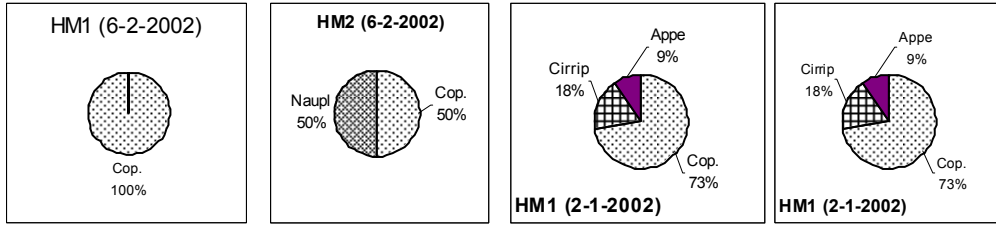
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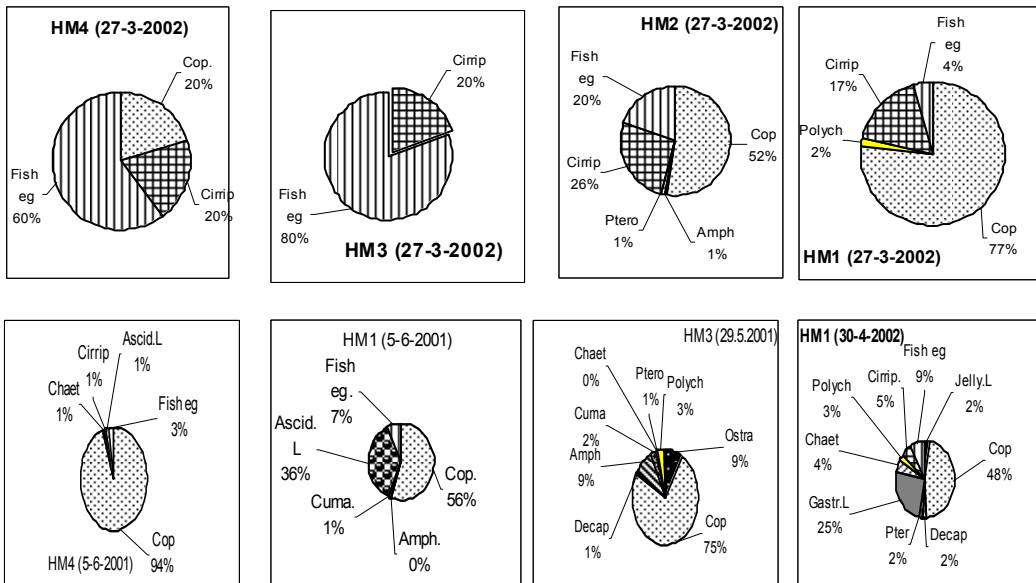
Gastropoda

HM1

. larvae

HM1

Ascidian larvae

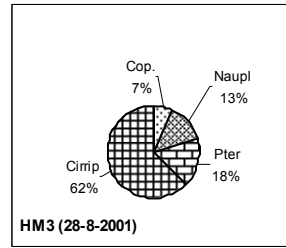
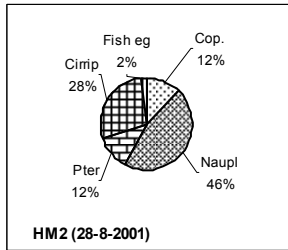
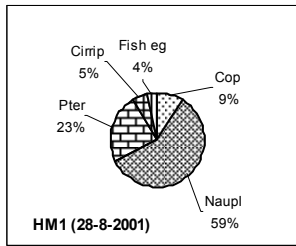


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Pteropoda

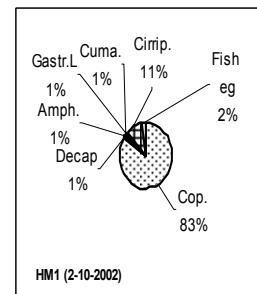
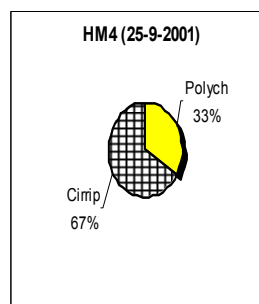
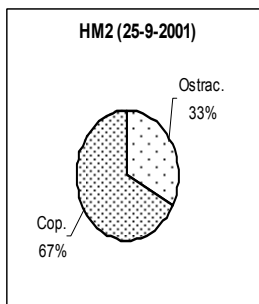
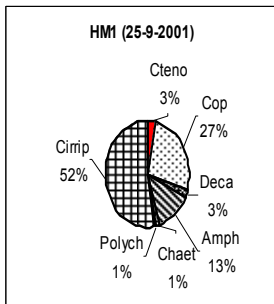


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Ostracoda.

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HM1



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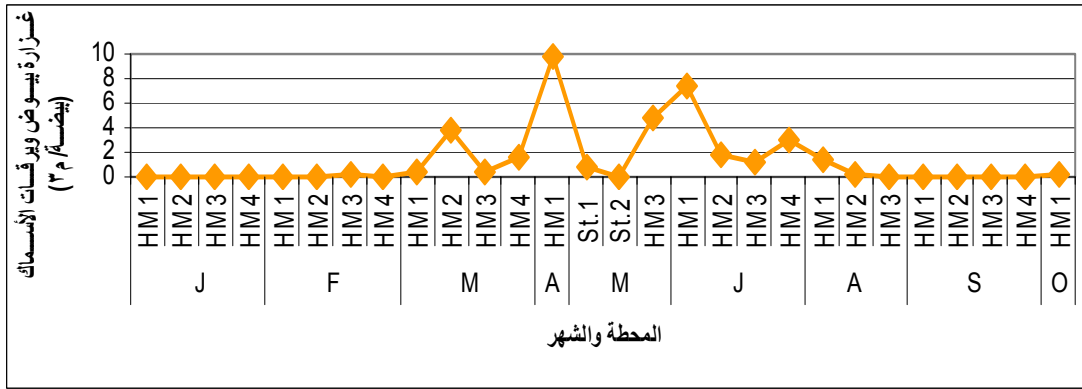
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(Purcell, 1997)

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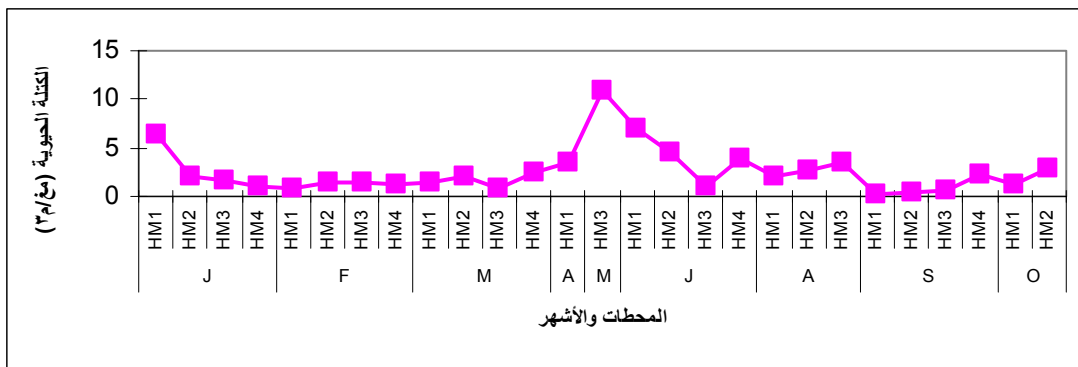
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Michel *et al.* (1982)

.(Axiak & Civili, 1991)

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(Bougis, 1974)

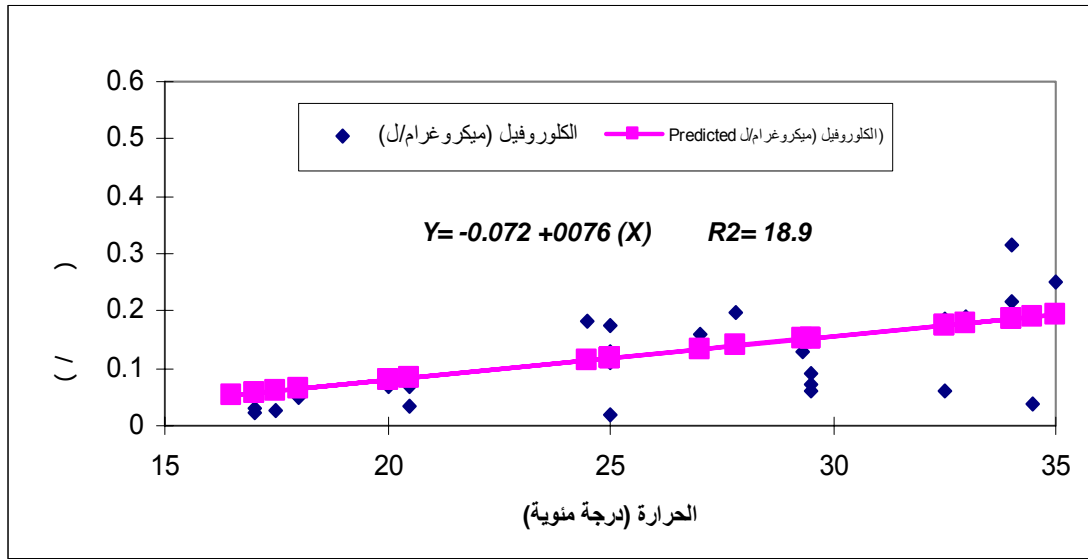
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Appen: Appendicularia	Amph: Amphipoda	Ascid.L.: Ascidian larva	Chaet.: Chaetognatha
Cirrip: Cirripedia	Cop: Copepoda	Cum: Cumacea	Decap: Decapoda
Fish eg.: Fish eggs	Gastr.L: Gastropoda larva	Jelly.L: Jellyfish larva	Ostrac: Ostracoda
Naupl: Nauplii	Polych: Polychaeta larva	Ptero:Pteropoda	

