

✓✓
LTER Forage Fish

Cruise: 20802	Stn.: 504	Species: CHA	Indv/Fish #: 1	Scope: M60						
Prey item: Chaetognath	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	14.0	15.0	22.0	15.0	20.7	19.7	18.0	10.0	21.0
	Mag.	0.63	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Prey item: Soft nose	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	6.3	4.8	1.4						
	Mag.	1.25	0.8	0.8						
Prey item: Appendicularian	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.3	0.8	1.5	2.1					
	Mag.	0.8	0.8	0.8	0.8					
Prey item: Harpacticoid	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item: Parabrachius	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	7.4	7.1	6.4						
	Mag.	2.0	2.0	2.0						
Prey item: Tanaid	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	5.0								
	Mag.	4.0								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

Cruise: 20802	Stn.: 161	Species: SSC	Indv/Fish #: 1	Scope: M60						
Prey item: Appendicularian	1	2	3	4	5	6	7	8	9	10
Total #: 25	Length	2.0	2.0	1.8	1.9	2.7	2.0	1.8	2.1	2.0
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: Unknown Soft	1	2	3	4	5	6	7	8	9	10
Total #: 18	Length									
Unknown Soft	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: pink particles

* Amphipods present

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>104</u>	Species: <u>APS</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>							
Prey item: <u>Thomisto</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length	4.0	3.3	2.7	4.1	9.6	10.8	3.9	7.6	7.7	9.8
<u>III</u>	Mag.	1.63	0.63	0.103	1.0	1.0	1.0	1.25	1.25	1.25	1.25
Prey item: <u>Thomistela</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length	4.6	6.0	7.1							
	Mag.	0.63	1.0	1.0							
Prey item: <u>Parathemisto</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length	5.6									
	Mag.	1.0									
Prey item: <u>Harpacticoida</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>clipped</u>	Length										
<u>III</u>	Mag.										
Prey item: <u>Fish</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
<u>III</u>	Mag.										
Prey item: <u>N. Americana</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length	11.2									
	Mag.	1.0									
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length	6.1	4.1	5.8	5.9						
<u>III</u>	Mag.	3.2	3.2	3.2	3.2						

Notes:

Caligidae

4.8 3.7
1.0 3.2

Veliger

1.6
1.0

Cruise: <u>201802</u>	Stn.: <u>219</u>	Species: <u>AAE</u>	Indv/Fish #: <u>1</u>	Scope: <u>M60</u>							
Prey item: <u>Amphipodaria</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2321</u>	Length	7.2	3.6	2.0	2.9	3.1	3.7	3.3	3.2	2.3	2.5
	Mag.	1.0	1.0	1.0	1.6	1.4	1.6	1.4	1.6	1.6	1.6
Prey item: <u>Neandria</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>123</u>	Length	4.5	4.6	5.3	4.5	4.1	3.8	4.2	3.8	4.2	4.2
	Mag.	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>242</u>	Length	3.3	3.6	2.8	2.4	3.6	3.1	3.0	3.2	4.1	4.1
	Mag.	1.6	1.6	1.0	1.6	1.6	1.6	1.25	1.25	1.6	1.6
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>292</u>	Length	5.0	4.6	5.4	4.8	4.4	4.9	4.4	4.7	4.8	4.3
	Mag.	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Prey item: <u>Caligidae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	2.4									
	Mag.	1.6									
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>10</u>	Length	4.7	5.6	5.2	4.9	4.2	4.6				
	Mag.	1.0	1.6	1.6	1.0	1.6	1.6				
Prey item: <u>Paracalanus</u>	1 ♂	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	7.2									
	Mag.	1.6									

Notes: Unknown Cope - (17.6)

Unknown Sott - III (8)

Thomisto -

8.8 ①
1.6

Ortho - 24/42/10/1
1.6 3.2 1.6

Monstrilloidea - 5.2 ②
1.6

Euphausiid remains - 11 ②

(40)

Fish remain

8.4 15.9 12.9 14.4 9.9 18.5 14.7 14.1 10.0
1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

* Broken

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>240</u>	Species: <u>CHA</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Empty

Cruise: <u>201802</u>	Stn.: <u>239</u>	Species: <u>APS</u>	Indv/Fish #: <u>2</u>	Scope: <u>M60</u>						
Prey item: <u>Anchovy</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>90th</u>	Length	2.0	1.7	1.7	2.1	1.8	1.4	1.6	1.3	1.4
	Mag.	1.25-7								
Prey item: <u>Gastropod eggs</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>81</u>	Length	1.2	1.1	1.3	1.0	1.4	1.0	1.1	1.1	1.2
	Mag.	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Prey item: <u>Egg</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>199</u>	Length	0.9								
	Mag.	1.25								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Digested Copepod - 1

LTER Forage Fish

Cruise: 201802	Stn.: 239	Species: CHA	Indv/Fish #: 1	Scope: M100						
Prey item: Plastic	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.9								
	Mag.	1.25								
Prey item: P-cal	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	4.1	3.8							
	Mag.	1.4	1.0							
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

Cruise: 201802	Stn.: 236	Species: AB	Indv/Fish #: 1	Scope: M100						
Prey item: Pan. cinctus	1	2	3	4	5	6	7	8	9	10
Total #: 4	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

gun segments - too digested

LTER Forage Fish

Cruise: <u>201802</u>	Stn. : <u>239</u>	Species: <u>SSC</u>	Indv/Fish #: <u>2</u>	Scope: <u>M60</u>							
Prey item: <u>Cyprid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>10</u>	Length	1.6	1.7	1.4	1.4	2.6	1.5				
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25				
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>307</u>	Length	2.8	3.7	4.0	3.2	2.3	3.8	3.4	2.8	2.9	3.4
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>103</u>	Length	4.5	4.3	4.8	3.8	3.9	3.7	3.8	3.0	4.1	4.1
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: <u>Metridia</u>	1	2	3	4	5	3.66m	7	8	9	10	
Total #: <u>20</u>	Length	3.2	3.0	3.4	3.5	3.2	2.4	3.4	3.4	3.0	3.6
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: <u>Oithona</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>29</u>	Length	1.8	1.8	1.6	2.1	1.7	1.8	1.5	1.4	1.6	1.2
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>3</u>	Length	2.9	2.7								
1	Mag.	1.25	1.25								
Prey item: <u>Cummin</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	9.1									
	Mag.	0.103									

Notes: Copepod detritus heavy.
round worm parasite ①

Tempra - 2.1 | 1.8 | 1.8 | 2.0 | 1.8 | 1.7 | 1.8 | 1.8 | 1.6 | 1.9
1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25
Cryptopis - 2.10 |
1.25

Cruise: 201802	Stn.: 236	Species: APS	Indv/Fish #: 3	Scope: M60						
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	2.2								
	Mag.	1.25								
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 8	Length	4.8	4.6	5.0	4.0	4.8				
III	Mag.	1.25	1.25	1.25	1.25					
Prey item: Pseuicheata	1	2	3	4	5	6	7	8	9	10
Total #: 14	Length	5.8	5.9	6.5	6.8	6.5	6.2			
IIII	Mag.	1.25	1.25	1.25	1.25	1.25	1.25			
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

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Cruise: 20802	Stn.: 105	Species: AAE	Indv/Fish #: 1	Scope: M100						
Prey item: Veliger	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.6	1.5	1.4	1.2	1.2	1.3	0.9	1.2	1.3
	Mag.	3.2	3.2	3.2	2.5	2.5	2.5	2.0	2.5	3.2
Prey item: Egg	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	0.8	1.0							
glass & egg	Mag.	3.2	3.2							
Prey item: Americamysis	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	8.3	8.2	7.1						
11	Mag.	0.63	0.63	0.63						
Prey item: Temora	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.9	2.6							
	Mag.	1.25	2.5							
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	3.6								
	Mag.	1.6								
Prey item: Calyptra	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.3								
	Mag.	1.25								
Prey item: Cyprid	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length	1.4								
	Mag.	1.25								

Notes: lots of phytoplankton

Cruise: 20802	Stn.: 217	Species: APS	Indv/Fish #: 3	Scope: M100						
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: 56	Length	3.7	2.3	3.3	2.8	3.3	3.5	3.6	3.5	2.7
1	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 5	Length	4.6	4.4	4.3	4.1	3.5				
	Mag.	1.25	1.25	1.25	1.25	1.25				
Prey item: Limnocalanus	1	2	3	4	5	6	7	8	9	10
Total #: 3	Length	2.8	3.8							
1	Mag.	1.25	1.25							
Prey item: Themisto	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	7.8								
	Mag.	1.25								
Prey item: Praeucharta	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length									
1	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

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Cruise: <u>201802</u>	Stn. : <u>151</u>	Species: <u>APS</u>	Indv/Fish # : <u> </u>	Scope: <u>M60</u>						
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u>3.0</u>									
	Mag. <u>1.25</u>									
Prey item: <u>Hyperid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u>14.5</u>									
	Mag. <u>1.25</u>									
Prey item: <u> </u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u> </u>									
	Mag. <u> </u>									
Prey item: <u> </u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u> </u>									
	Mag. <u> </u>									
Prey item: <u> </u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u> </u>									
	Mag. <u> </u>									
Prey item: <u> </u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u> </u>									
	Mag. <u> </u>									
Prey item: <u> </u>	1	2	3	4	5	6	7	8	9	10
Total #: <u> </u>	Length <u> </u>									
	Mag. <u> </u>									

Notes:

Cruise: <u>201802</u>	Stn.: <u>164</u>	Species: <u>AAE</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item: <u>Cuprid</u>	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length <u>1.4</u>									
	Mag. <u>1.25</u>									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: copepod remains - highly digested.

LTER Forage Fish

Cruise: <u>201802</u>	Stn. : <u>217</u>	Species: <u>APS</u>	Indv/Fish # : <u>1</u>	Scope: <u>M60</u>							
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2819</u>	Length	1.6	1.3	2.0	3.1	2.0	1.8	1.4	3.4	2.7	1.4
	Mag.	1.25	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										

Notes:

Cruise: <u>201802</u>	Stn.: <u>239</u>	Species: <u>AAE</u>	Indv/Fish #: <u>2</u>	Scope: <u>M60</u>						
Prey item: <u>P-cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>8</u>	Length	2.2	2.8	2.9	3.0	3.2	2.9	1.3		
1	Mag.	1.0	1.0	1.0	1.0	1.0	1.0			
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>4</u>	Length									
1111	Mag.									
Prey item: <u>Cellanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	4.1								
	Mag.	1.0								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

LTER Forage Fish

Cruise: 201802	Stn.: 135	Species: PTR	Indv/Fish #: 2	Scope: M60							
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10	
Total #: 121	Length	1.7	1.0	2.3	1.3	1.4	1.7	0.8	1.9	1.10	1.7
	Mag.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Prey item: Unknown Soft	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
TH NI NI	Mag.										
Prey item: Calyptopsis	1	2	3	4	5	6	7	8	9	10	
Total #:	Length	3.0	1.5								
	Mag.	1.0	1.25								
Prey item: Themisto	1	2	3	4	5	6	7	8	9	10	
Total #:	Length	1.0	2.7	1.9	2.0	1.8					
	Mag.	1.0	1.0	1.0	1.25	1.25					
Prey item: P-cal	1	2	3	4	5	6	7	8	9	10	
Total #:	Length	3.3									
	Mag.	1.0									
Prey item: Oithona	1	2	3	4	5	6	7	8	9	10	
Total #:	Length	2.3									
	Mag.	1.0									
Prey item: Eup. fraena	1	2	3	4	5	6	7	8	9	10	
Total #:	Length	8.3	2.8	3.2							
1	Mag.	3.2	1.25	1.25							

Notes:

Mysis

5.2

1.25

Mertridia

5.6

1.25

Cruise: <u>201802</u>	Stn.: <u>239</u>	Species: <u>AAE</u>	Indv/Fish #: <u>1</u>	Scope: <u>M60</u>							
Prey item: <u>Appendicularian</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>277</u>	Length	<u>2.4</u>	<u>1.7</u>	<u>1.5</u>	<u>2.0</u>	<u>1.8</u>	<u>2.1</u>	<u>1.9</u>	<u>1.6</u>	<u>1.7</u>	<u>2.2</u>
	Mag.	<u>1.0</u>	<u>→</u>								
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2</u>	Length										
	Mag.										
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	<u>2.5</u>									
	Mag.	<u>1.25</u>									
Prey item: <u>Oithona</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	<u>1.8</u>									
	Mag.	<u>1.25</u>									
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										

Notes:

LTER Forage Fish

Cruise: 201802	Stn.: 208	Species: SSC	Indv/Fish #: 1	Scope: M100						
Prey item: Gammaridae	1	2	3	4	5	6	7	8	9	10
Total #: 4	Length 14.6	17.0	19.6							
	Mag. 0.8	0.8	0.8							
Prey item: Fish	1	2	3	4	5	6	7	8	9	10
Total #: 4	Length 37.3									
	Mag. 0.8									
Prey item: Mysid	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 11.9									
	Mag. 0.8									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: round parasite - NW(5)

Cruise: 201802	Stn.: 132	Species: PTR	Indv/Fish #: 1	Scope: M100						
Prey item: Append	1	2	3	4	5	6	7	8	9	10
Total #: 42	Length 1.2	2.1	2.2	1.6	1.1	1.8	2.1	1.4	3.0	2.1
	Mag. 0.8	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: Unknown soft	1	2	3	4	5	6	7	8	9	10
Total #: 19	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

LTER Forage Fish

Cruise: <u>20802</u>	Stn.: <u>130</u>	Species: <u>AAE</u>	Indv/Fish #: <u>2</u>	Scope: <u>M60</u>							
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>770</u>	Length	1.3	1.9	1.1	1.9	2.4	1.1	1.2	1.7	1.4	1.0
	Mag.	1.25	1.25 →								
Prey item: <u>Hydrom Sott</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>23</u>	Length										
NA NA NA NA NA	Mag.										
Prey item: <u>Hydrom</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>5</u>	Length	9.2									
<u>N</u>	Mag.	1.25									
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>10</u>	Length	3.6	3.3	4.1	4.0	3.9	3.1				
<u>III</u>	Mag.	1.25	1.25	1.25	1.25	1.25	1.25				
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>3</u>	Length	5.1	4.8								
<u>I</u>	Mag.	1.25	1.25								
Prey item: <u>Centropomus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	3.3									
	Mag.	1.25									
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										

Notes:

Cruise: <u>20802</u>	Stn.: <u>105</u>	Species: <u>AAE</u>	Indv/Fish #: <u>2</u>	Scope: <u>M60</u>						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Empty

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>133</u>	Species: <u>PTR</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>							
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>11</u>	Length	3.6	2.4	2.6	2.4	2.9	1.4	2.1	1.7	1.8	1.9
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Prey item: <u>Unknown Sst</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>3</u>	Length										
<u>III</u>	Mag.										
Prey item: <u>Hyperid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	1.6									
	Mag.	1.25									
Prey item: <u>Cyprid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(6)</u>	Length	1.6	1.6	1.4	1.6	1.5	1.3				
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25				
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(6)</u>	Length	4.5	4.3	4.1	4.2	4.3					
<u>1</u>	Mag.	1.25	1.25	1.25	1.25	1.25					
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	5.5									
	Mag.	3.2									
Prey item: <u>Themistella</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(6)</u>	Length	8.4	18.00	12.5	8.4	12.8	9.4				
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25				

Notes: roundworm-①
Themisto 7.3 / 1.25 -①

Cruise: <u>201802</u>	Stn. : <u>149</u>	Species: <u>AAF</u>	Indv/Fish # : <u>2</u>	Scope: <u>M60</u>							
Prey item: <u>Fish larvae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>38</u>	Length	<u>23.5</u>	<u>21.5</u>	<u>14.4</u>	<u>15.3</u>	<u>20.9</u>	<u>20.0</u>	<u>17.8</u>	<u>39.0</u>	<u>16.0</u>	<u>19.0</u>
III III III III III	Mag.	<u>0.63</u>	<u>0.63</u>	<u>0.63</u>	<u>0.63</u>	<u>0.63</u>	<u>0.63</u>	<u>1.25</u>	<u>0.63</u>	<u>0.63</u>	
Prey item: <u>Append</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>137.0</u>	Length	<u>1.2</u>	<u>1.8</u>	<u>1.2</u>	<u>1.9</u>	<u>1.7</u>	<u>1.8</u>	<u>1.8</u>	<u>1.2</u>	<u>1.9</u>	<u>1.8</u>
	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>→</u>						
Prey item: <u>Gammaridae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length										
<u>1</u>	Mag.										
Prey item: <u>Hyperid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>13</u>	Length	<u>1.4</u>									
III III III	Mag.	<u>1.25</u>									
Prey item: <u>P-cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>8</u>	Length	<u>3.4</u>	<u>3.2</u>	<u>2.3</u>	<u>2.7</u>	<u>3.1</u>	<u>3.3</u>				
<u>II</u>	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>				
Prey item: <u>Hyperidella</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>13</u>	Length	<u>13.8</u>	<u>6.8</u>	<u>4.8</u>	<u>8.3</u>	<u>10.6</u>	<u>12.0</u>	<u>8.5</u>	<u>9.8</u>	<u>6.3</u>	<u>11.6</u>
<u>III</u>	Mag.	<u>1.25</u>	<u>0.63</u>	<u>0.63</u>	<u>0.8</u>	<u>0.8</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>0.63</u>	<u>1.25</u>
Prey item: <u>Oithona</u>	1	2	3	4	5	6	7	8	9	10	
total #: <u>8</u>	Length	<u>1.4</u>	<u>2.9</u>	<u>2.6</u>	<u>3.2</u>	<u>2.6</u>	<u>2.5</u>	<u>1.7</u>	<u>1.8</u>		
	Mag.	<u>1.25</u>	<u>2.5</u>	<u>3.2</u>	<u>4.0</u>	<u>3.2</u>	<u>3.2</u>	<u>1.75</u>	<u>1.25</u>		

Notes: ① macrograth 11.8 / 4.3 / 1.5
② caligadae 5.9 / 4.0 / 6.0 / 4.1 / 1.25 / 1.25 / 1.25
③ temora 2.8

Fish egg 0.7 / 1.25 ①
Vern Sst ①
①④

Feather ①

Copepod nauplius ③

Limacina ②

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>213</u>	Species: <u>SSC</u>	Indv/Fish #: <u>3</u>	Scope: <u>M100</u>						
Prey item: <u>Appendic.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	1.3	1.6							
	Mag.	1.25	1.25							
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length									
	Mag.									
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	2.6								
	Mag.	1.25								
Prey item: <u>Orthona</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	1.9	1.9							
	Mag.	1.25	1.25							
Prey item: <u>Copepod remains</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Crunchy texture

Cruise: <u>201802</u>	Stn.: <u>130</u>	Species: <u>AAE</u>	Indv/Fish #: <u>3</u>	Scope: <u>M100</u>						
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>9</u>	Length	4.4	4.2	4.2	3.9	4.0	4.7	4.0	4.3	
	Mag.	1.25	→							
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>6</u>	Length	3.2	2.9	3.0	3.0	2.4	2.1			
	Mag.	1.25	→							
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	2.1	2.0							
	Mag.	1.25	1.25							
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1354</u>	Length	2.1	1.3	1.4	1.0	1.0	2.3	1.6	1.5	1.9
	Mag.	1.25	1.25							
Prey item: <u>Mertensia</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	3.2								
	Mag.									
Prey item: <u>Hyperidæ</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>4</u>	Length									
	Mag.									
Prey item: <u>Orthona</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	1.0								
	Mag.	1.25								

Notes:

Unknown Cope
III III (9)

Cione
III (3)

Unknown Soft
III III (8)

Chaetognath
III (4)

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>69</u>	Species: <u>APS</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item: <u>Thysanessa</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>25.3</u>								
	Mag.	<u>1.25</u>								
Prey item: <u>Unknown Sott</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>4</u>	Length									
<u>III</u>	Mag.									
Prey item: <u>Chaetognath</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length									
	Mag.									
Prey item: <u>Bostrichia cumacean</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>10.3</u>								
	Mag.	<u>1.75</u>								
Prey item: <u>Vellaer</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>10</u>	Length	<u>0.5</u>	<u>0.6</u>	<u>0.5</u>	<u>0.6</u>	<u>0.6</u>	<u>0.5</u>	<u>0.5</u>	<u>0.6</u>	<u>0.5</u>
	Mag.	<u>1.25</u>	<u>→</u>							
Prey item: <u>Appendic.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>15</u>	Length	<u>2.2</u>	<u>2.4</u>	<u>2.0</u>	<u>2.3</u>	<u>1.6</u>	<u>1.1</u>	<u>1.3</u>	<u>1.0</u>	<u>0.8</u>
	Mag.	<u>1.25</u>	<u>→</u>							
Prey item: <u>Thermisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>5.8</u>								
	Mag.									

Notes: Fish = 15.6
III (5) 0.63

Cruise: <u>201802</u>	Stn.: <u>130</u>	Species: <u>PTR</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>37</u>	Length	<u>2.3</u>	<u>3.1</u>	<u>2.2</u>	<u>1.6</u>	<u>1.7</u>	<u>1.7</u>	<u>1.8</u>	<u>1.6</u>	<u>1.9</u>
	Mag.	<u>1.25</u>	<u>1.25</u>							
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>3.8</u>								
	Mag.	<u>1.25</u>								
Prey item: <u>Calyptrous</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	<u>1.6</u>	<u>2.1</u>							
	Mag.	<u>1.25</u>	<u>1.25</u>							
Prey item: <u>Thermisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>1.8</u>								
	Mag.	<u>1.25</u>								
Prey item: <u>Merandica</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>4.0</u>								
	Mag.	<u>1.25</u>								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Unknown Sott
 III III III
 III III II
(27)

Notes:

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>208</u>	Species: <u>SSC</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>							
Prey item: <u>Gammarus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>47</u>	Length	<u>14.3</u>	<u>2.3</u>	<u>2.5</u>	<u>2.2</u>	<u>2.1</u>	<u>2.1</u>	<u>2.3</u>	<u>2.3</u>	<u>2.1</u>	<u>13.0</u>
<u>annulatus</u>	Mag.	<u>0.63</u>	<u>1.25</u>	<u>1.25</u>							<u>1.25</u>
Prey item: <u>Caligadidae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>3</u>	Length	<u>6.7</u>	<u>8.1</u>	<u>6.4</u>							
	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>							
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>9</u>	Length	<u>3.7</u>	<u>3.8</u>	<u>4.2</u>	<u>3.8</u>	<u>4.1</u>	<u>4.0</u>	<u>3.9</u>	<u>4.0</u>	<u>3.9</u>	
	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	
Prey item: <u>Thysanopoda</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>6</u>	Length	<u>11.6</u>	<u>21.7</u>	<u>14.3</u>	<u>19.1</u>	<u>20.6</u>	<u>19.7</u>				
	Mag.	<u>0.63</u>	<u>1.25</u>	<u>1.25</u>							
Prey item: <u>Hyperid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length										
	Mag.										
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>9</u>	Length	<u>2.9</u>	<u>2.9</u>	<u>3.0</u>	<u>2.3</u>	<u>3.4</u>	<u>2.9</u>	<u>2.7</u>	<u>3.4</u>	<u>3.3</u>	
	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>3.2</u>	
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2</u>	Length	<u>1.9</u>	<u>1.8</u>								
	Mag.	<u>1.25</u>	<u>1.25</u>								

Big ones
NH ⑥
Small ones
NH NH NH
NH NH NH
1 ③
Chaetognath
NH NH ⑨
digested
copepod
NH NH ⑪

Notes: eye pairs - IIII ④ Fish remains - III ④
penaeid shrimp Asthara - 24.3 ①
Caridean shrimps - 5.8 | 4.3 | 2.0.63
1.25 | 1.25 | 1.25 ③
mouthworm parasite - IIII ④
Biotic shavings - NH IIII ⑨
Centropages - 4.5
① 2.0

Cruise: 201802	Stn.: 137	Species: PTR	Indv/Fish #: 3	Scope: M60							
Prey item: Amphipod	1	2	3	4	5	6	7	8	9	10	
Total #: 18	Length	1.5	1.9	1.3	2.3	1.6	1.6	1.9	1.7	2.7	1.6
	Mag.	1.25	1.25	1.25	→						
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10	
Total #: 1	Length	3.0									
	Mag.	1.25									
Prey item: Unknown Soft	1	2	3	4	5	6	7	8	9	10	
Total #: 23	Length										
PREY ITEM	Mag.										
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10	
Total #: 2	Length	4.0	4.3								
	Mag.	1.25	1.25								
Prey item: M. Pristia	1	2	3	4	5	6	7	8	9	10	
Total #: 1	Length	4.7									
	Mag.	1.25									
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										

Notes:

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>64</u>	Species: <u>AAE</u>	Indv/Fish #: <u>1</u>	Scope: <u>M60</u>						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Chaetognath teeth present, otherwise empty

Cruise: <u>201802</u>	Stn.: <u>63</u>	Species: <u>APS</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item: <u>Fish Remains</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length									
<u>1</u>	Mag.									
Prey item: <u>Oithona</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>1.0</u>								
	Mag.	<u>1.25</u>								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: partial Euphausiids - III (3) eye pairs - NITH (10)

LTER Forage Fish

Cruise: 201802	Stn.: 240	Species: SSC	Indv/Fish #: 1	Scope: M6D						
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: 2	Length	2.6	2.9							
	Mag.	1.25	1.25							
Prey item: Cypnd	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	1.5								
	Mag.	1.25								
Prey item: Hydrachnidae	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	0.8								
	Mag.	1.25								
Prey item: Oithona	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	1.5								
	Mag.	1.25								
Prey item: Unknown <small>small cope</small>	1	2	3	4	5	6	7	8	9	10
Total #: 5	Length	1.9	1.4	2.0	1.0	1.0				
	Mag.	1.25								
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 3	Length	4.1	3.8	4.2						
	Mag.	1.25	1.25	1.25						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: a lot of scales

Cruise: 201802	Stn.: 137	Species: PTR	Indv/Fish #: 2	Scope: M6D						
Prey item: Suphirina ^{sp}	1	2	3	4	5	6	7	8	9	10
Total #:	Length	2.3	3.7							
	Mag.	1.25	1.25							
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #:	Length	2.0	1.1	1.8	2.0	1.7	1.8	2.0	1.4	
	Mag.	1.25	1.25							
Prey item: Unknown <small>soft</small>	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item: digested <small>infectious</small>	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item: Thernisto	1	2	3	4	5	6	7	8	9	10
Total #:	Length	7.0								
	Mag.	1.25								
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #:	Length	2.1								
	Mag.	1.25								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: eye pairs (red) - ①

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>141</u>	Species: <u>APS</u>	Indv/Fish #: <u>1</u>	Scope: <u>M100</u>						
Prey item: <u>P-fal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>6</u>	Length	3.3	2.9	3.1	2.7	1.9				
	Mag.	1.25								
Prey item: <u>Apperric.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1243</u>	Length	2.0	1.4	2.7	1.3	1.5	1.7	2.2	2.0	1.6
	Mag.	1.25	→							
Prey item: <u>Hypendae</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length									
	Mag.									
Prey item: <u>Chaetognath</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>10</u>	Length									
	Mag.									
Prey item: <u>limacina</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>8</u>	Length									
	Mag.									
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>13</u>	Length	4.0	4.2	4.3	4.2	4.2	5.0	4.1	4.3	4.0
	Mag.	1.25								
Prey item: <u>Mertindia</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	3.3								
	Mag.	1.25								

Notes: Unknown soft-①
Oithona 1.0/1.8/1.8 ③
1.25/1.25

Ukr Copepod - ~~NIK~~ ③
Fish remains-①
Eurytemora - 5.3/4.0 ①

Theristo 7.9/3.2 ②
1.25/1.25
Fish eggs 0.9/0.9 ②
1.25/1.25

Cruise: <u>201802</u>	Stn.: <u>165</u>	Species: <u>APS</u>	Indv/Fish #: <u>2</u>	Scope: <u>M100</u>						
Prey item: <u>Caligid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	<u>2.4</u>	<u>4.4</u>							
	Mag.	<u>1.25</u>	<u>1.25</u>							
Prey item: <u>Apperric.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	<u>1.1</u>	<u>2.3</u>							
	Mag.	<u>1.25</u>								
Prey item: <u>Centrocaps</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>5</u>	Length	<u>2.1</u>	<u>2.4</u>							
<u>III</u>	Mag.	<u>1.25</u>								
Prey item: <u>Fish egg</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>0.8</u>								
	Mag.	<u>1.25</u>								
Prey item: <u>Fish Remains</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>3</u>	Length									
<u>III</u>	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: soft and stringy

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>64</u>	Species: <u>APS</u>	Indv/Fish #: <u>1</u>	Scope: <u>M60</u>							
Prey item: <u>Thamisto</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>131</u>	Length	<u>2.4</u>	<u>7.8</u>	<u>13.7</u>	<u>7.4</u>	<u>6.1</u>	<u>7.7</u>	<u>7.8</u>	<u>5.7</u>	<u>6.5</u>	<u>5.5</u>
 	Mag.	<u>1.25</u>	<u>1.75</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>
Prey item: <u>Caligondae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>8</u>	Length	<u>1.9</u>	<u>1.9</u>	<u>1.2</u>	<u>1.3</u>	<u>3.6</u>	<u>1.9</u>	<u>3.8</u>	<u>5.5</u>		
	Mag.	<u>1.25</u>	<u>1.75</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>		
Prey item: <u>Digested Hyperiid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>34</u>	Length										
 	Mag.	 									
Prey item: <u>Hyperia</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>22</u>	Length	<u>10.5</u>	<u>13.0</u>	<u>16.5</u>	<u>9.9</u>	<u>7.2</u>	<u>8.9</u>	<u>9.5</u>	<u>7.0</u>	<u>7.3</u>	<u>13.5</u>
 	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	
Prey item: <u>Eusimulid</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2</u>	Length										
 	Mag.										
Prey item: <u>Veliger</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>1</u>	Length	<u>0.6</u>									
	Mag.	<u>1.75</u>									
Prey item: <u>Centropages</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>2</u>	Length	<u>1.1</u>	<u>2.4</u>								
	Mag.	<u>1.25</u>	<u>1.25</u>								

Notes: internal parasite round worm - |||| (4) Digested cope - ||| (3)
Fish remains - ||| (3)

Cruise: <u>201802</u>	Stn.: <u>149</u>	Species: <u>APS</u>	Indv/Fish #: <u>3</u>	Scope: <u>M60</u>						
Prey item: <u>Chaetognath</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length									
<u>I</u>	Mag.									
Prey item: <u>Digested Copepods</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>4</u>	Length									
<u> </u>	Mag.									
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>12</u>	Length	1.6	1.3	2.1	1.6	1.6	1.5			
	Mag.	1.25	1.25	1.25	1.25	1.25	1.25			
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	3.5								
	Mag.	1.25								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>149</u>	Species: <u>AAE</u>	Indv/Fish #: <u>1</u>	Scope: <u>M100</u>						
Prey item: <u>Cyprid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>5</u>	Length	<u>2.3</u>	<u>1.5</u>	<u>1.6</u>	<u>1.4</u>	<u>1.4</u>				
	Mag.	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>				
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>2</u>	Length	<u>2.3</u>	<u>2.4</u>							
	Mag.	<u>1.25</u>	<u>1.25</u>							
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Digested cope - present

Cruise: <u>201802</u>	Stn.: <u>131</u>	Species: <u>APS</u>	Indv/Fish #: <u>2</u>	Scope: <u>M100</u>						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>39</u>	Length	<u>1.6</u>	<u>1.9</u>	<u>1.6</u>	<u>1.8</u>	<u>1.4</u>	<u>2.1</u>	<u>1.1</u>	<u>1.6</u>	<u>1.3</u>
	Mag.	<u>1.0</u>	<u>1.0</u>	<u>1.25</u> →						
Prey item: <u>Cyprid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>1.0</u>								
	Mag.	<u>1.0</u>								
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Chaetognath-present

in mm

[illegible]

Notes: Soft bodied - ~~|||||~~
~~|||||~~

[illegible]

Notes: Digested Coproids - 11 (2)

LTER Forage Fish

all lengths in mm

Cruise: <u>201802</u>	Stn.: <u>150</u>	Species: <u>AAE</u>	Indv/Fish #: <u>3</u>	Scope: <u>M712</u>						
Prey item: <u>Hyperia</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(9)</u>	Length	<u>8.2</u>	<u>7.4</u>	<u>5.4</u>	<u>4.5</u>	<u>4.9</u>				
<u> </u>	Mag.									
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(6)</u>	Length	<u>1.2</u>	<u>0.9</u>	<u>1.1</u>	<u>1.8</u>	<u>1.0</u>	<u>0.9</u>			
	Mag.									
Prey item: <u>Thomisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(11)</u>	Length	<u>6.7</u>	<u>6.4</u>	<u>3.5</u>	<u>6.2</u>	<u>5.9</u>	<u>6.6</u>	<u>8.2</u>		
<u> </u>	Mag.									
Prey item: <u>Caligidae</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(4)</u>	Length	<u>1.3</u>	<u>0.6</u>	<u>1.1</u>	<u>0.8</u>					
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Fish remains - |||| (13)

Cruise: <u>201802</u>	Stn.: <u>172</u>	Species: <u>PTR</u>	Indv/Fish #: <u>1</u>	Scope: <u>MZ12</u>						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>26</u>	Length	1.2	1.6	1.0	0.9	1.0	1.1	0.9	1.8	1.7
	Mag.									
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	2.4								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Unknown Soft |||| (3)

LTER Forage Fish

all lengths in mm

Cruise: 201802		Stn.: 154	Species: APS			Indv/Fish #: 1		Scope: M712			
Prey item: Chironomus		1	2	3	4	5	6	7	8	9	10
Total #: (254)		Length 21.3	19.4	16.2	19.4	18.5	18.3	20.3	15.0	19.5	23.2
Mag.											
Prey item: Acanthocyclops		1	2	3	4	5	6	7	8	9	10
Total #: (51)		Length 0.9	1.0	1.1	1.6	1.2	1.3	1.3	1.1	1.1	1.3
Mag.											
Prey item: Pseudocalanus		1	2	3	4	5	6	7	8	9	10
Total #: (1)		Length 2.1									
Mag.											
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #:		Length									
Mag.											
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #:		Length									
Mag.											
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #:		Length									
Mag.											
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #:		Length									
Mag.											

Notes: Digested copepod (1)

Cruise: <u>201802</u>	Stn.: <u>104</u>	Species: <u>APS</u>	Indv/Fish #: <u>2</u>	Scope: <u>M712</u>						
Prey item: <u>Fish larva</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(14)</u>	Length <u>39.2</u>	<u>28.0</u>	<u>22.9</u>	<u>23.3</u>	<u>21.6</u>					
<u> </u> <u>4</u>	Mag.									
Prey item: <u>Calanus (50+)</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(8)</u>	Length <u>2.0</u>	<u>3.6</u>	<u>0.7</u>	<u>2.6</u>	<u>4.7</u>	<u>2.8</u>	<u>2.6</u>			
<u>1</u>	Mag.									
Prey item: <u>Hypena</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(4)</u>	Length <u>2.8</u>	<u>4.7</u>	<u>2.9</u>	<u>5.9</u>						
	Mag.									
Prey item: <u>Drepanochaeta</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length									
<u>1</u> <u>gen seg.</u>	Mag.									
Prey item: <u>Themisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>6.1</u>									
<u>1</u>	Mag.									
Prey item: <u>Calanidae</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(3)</u>	Length <u>2.4</u>	<u>2.3</u>	<u>2.5</u>							
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
tal #:	Length									
	Mag.									

Notes: fish w/ chironomus (prey)

amphipod - ~~|||||~~ (19)

fish likely ammodytes

Digested Copepod - III (3)

Cleone - III (4)

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>168</u>	Species: <u>PTK</u>	Indv/Fish #: <u>1</u>	Scope: <u>MZ12</u>						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(16)</u>	Length <u>1.5</u>	<u>1.7</u>	<u>1.1</u>	<u>1.2</u>	<u>1.9</u>	<u>1.0</u>	<u>1.1</u>	<u>1.9</u>	<u>1.4</u>	<u>1.7</u>
	Mag.									
Prey item: <u>Clausocalanoida</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>2.5</u>									
	Mag.									
Prey item: <u>Pseudodiaptomus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>1.0</u>									
	Mag.									
Prey item: <u>Pleuromma</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(3)</u>	Length <u>1.5</u>	<u>1.7</u>	<u>1.8</u>							
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: UNKNOWN SORT - 11(3)

Cruise: <u>201802</u>		Stn.: <u>164</u>	Species: <u>PTR</u>	Indv/Fish #: <u>1</u>	Scope: <u>M712</u>						
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									

Notes:

EMPTY

LTER Forage Fish

lengths in mm

Cruise: <u>201802</u>		Stn.: <u>170</u>		Species: <u>APS</u>		Indv/Fish #: <u>1</u>		Scope: <u>MZ12</u>			
Prey item: <u>Mertridia</u>		1	2	3	4	5	6	7	8	9	10
Total #: <u>(2)</u>		Length <u>2.0</u>	<u>2.2</u>								
		Mag.									
Prey item: <u>Appendic</u>		1	2	3	4	5	6	7	8	9	10
Total #: <u>(549)</u>		Length <u>1.1</u>	<u>1.1</u>	<u>1.2</u>	<u>0.9</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.2</u>	<u>1.5</u>	<u>1.6</u>
		Mag.									
Prey item: <u>Centropages</u>		1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>		Length <u>1.3</u>									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									
Prey item:		1	2	3	4	5	6	7	8	9	10
Total #: _____		Length									
		Mag.									

Notes: Digested Copepods - 11 (3) Soft - 13 (13)

Cruise: <u>201802</u>	Stn.: <u>162</u>	Species: <u>PTR</u>	Indv/Fish #: <u>3</u>	Scope: <u>MZ12</u>						
Prey item: <u>Appendic.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(4)</u>	Length <u>1.3</u>	<u>2.2</u>	<u>1.7</u>	<u>1.4</u>						
	Mag.									
Prey item: <u>Sapphirina</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>1.3</u>									
	Mag.									
Prey item: <u>Ostracod</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>1.4</u>									
	Mag.									
Prey item: <u>Thermisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>7.2</u>									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: UNKNOWN Soft - (86)

all measurements in mm

LTER Forage Fish

Cruise: 201802	Stn.: 162	Species: PTR	Indv/Fish #: 2	Scope: MZ12						
Prey item: Forams.	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 0.6									
	Mag.									
Prey item: Sapphirina	1	2	3	4	5	6	7	8	9	10
Total #: (19)	Length 1.6 1.8 2.0 1.8 2.1 1.2 1.7 1.7 1.7 1.5									
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 2.2 2.6									
	Mag.									
Prey item: Themisto	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 2.7 6.5									
	Mag.									
Prey item: Paraphronima	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 4.7									
	Mag.									
Prey item: P-cal	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 1.2									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Soft bodied - (47)

Cruise: 201802	Stn.: 208	Species: AAE	Indv/Fish #: 1	Scope: MZ12						
Prey item: Neomysis	1	2	3	4	5	6	7	8	9	10
Total #: (5)	Length 13.9 11.6									
	Mag.									
Prey item: Appendic.	1	2	3	4	5	6	7	8	9	10
Total #: (6)	Length 1.2 1.3 1.1 0.8 1.8 1.3									
	Mag.									
Prey item: Cyprip	1	2	3	4	5	6	7	8	9	10
Total #: (13)	Length 1.1 0.8 1.0 0.9 1.0 1.1 0.8 1.0 0.9 0.9									
	Mag.									
Prey item: Caligidae	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 4.3 1.7									
	Mag.									
Prey item: Sapphirinidae	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 1.2									
	Mag.									
Prey item: Clytemnestra	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 0.9									
	Mag.									
Prey item: Cumacean	1	2	3	4	5	6	7	8	9	10
Total #: (10)	Length 1.9 2.5 2.1 3.2 2.1 2.1 2.8 2.5 1.7									
	Mag.									

Notes: Fish remains - ~~XXXXXX~~ Veriger - 0.3/0.5 Temora - 1.1 | 1.4 | (2)P-Cal - .7 | .8 | .8 (3)
 Lynceus - 6.9 | 4.7 | (2)
 none whole

Gammarid - 1.4 (1)

Loboskin - 0.9 (1)

Chaetognath (1)

LTER Forage Fish

lengths in mm

Cruise: 201802	Stn.: 104	Species: PTR	Indv/Fish #: 2	Scope: MZ12						
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (4)	Length	1.1	1.8	1.7	1.4					
	Mag.									
Prey item: Mertridia	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	2.4								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Soft bodied - ~~11/11/11~~ Phead shrimp - 11 (2)

Cruise: 201802	Stn.: 150	Species: AAE	Indv/Fish #: 2	Scope: MZ12						
Prey item: Caligidae Chaetm	1	2	3	4	5	6	7	8	9	10
Total #: (12)	Length	0.8	2.2	3.8	1.3	0.9	1.2	1.6	1.2	3.10
	Mag.									
Prey item: Fish	1*	2	3	4	5	6	7	8	9	10
Total #: (29)	Length	25.3								
	Mag.									
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (82)	Length	1.4	1.1	0.8	1.2	0.9	1.0	1.1	1.3	1.6
	Mag.									
Prey item: Cyprid	1	2	3	4	5	6	7	8	9	10
Total #: (4)	Length	0.9	1.0	1.1	1.0					
	Mag.									
Prey item: Pleuromamma	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	3.1								
	Mag.									
Prey item: P-cal	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	0.8								
	Mag.									
Prey item: Pseudodiaptomus	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	1.1								
	Mag.									

Notes: Oncaerognath - 1 Hyperid - 6.0 (1)

C5 Calanus - 2.8 | 2.9 | 2.7 | 3.1

(4)

Unknown Sub B

(1)

(Paired) Stalked eyes

(2)

ALL ONE SAMPLE

LTER Forage Fish

all length in mm

Cruise: 201802	Stn.: 150	Species: CHA	Indv/Fish #: 1	Scope: M7 12						
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (121)	Length 3.1	3.0	2.6	3.1	3.0	2.9	3.0	2.7	3.0	2.8
	Mag.									
Prey item: CS Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 1493	Length 2.7	2.6	2.6	2.4	2.4	2.8	2.6	2.8	2.9	2.6
	Mag.									
Prey item: <CS Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (160)	Length 2.2	2.5	2.3	2.8	2.2	2.4	2.3	2.4	2.3	2.3
	Mag.									
Prey item: Gammarid	1	2	3	4	5	6	7	8	9	10
Total #: (12)	Length 10.0	12.3	12.7	1.3	10.4	9.1	10.9	9.2	8.5	1.3
	Mag.									
Prey item: (Heterobranch)	1	2	3	4	5	6	7	8	9	10
Total #: (359)	Length 22.5	20.6	20.1	23.3	18.4	29.3	19.1	20.2	24.6	20.1
	Mag.									
Prey item: Pseudodiaptomus	1	2	3	4	5	6	7	8	9	10
Total #: (92)	Length 1.1	1.2	1.2	1.1	1.3	1.1	0.9	1.2	1.0	0.8
	Mag.									
Prey item: Fish Remains	1*	2	3	4*	5	6*	7	8	9*	10
Total #: (26)	Length 39.7	29.8	34.7	30.6	30.1	19.7	21.0	27.0	30	35.1
	Mag.									

Notes: Digested cope - (930) Fish remains - ~~||||~~round worm like parasite
6.0, 3.1, 3.4, 1.7 (4)

*with copepod ectoparasite

Cruise:	Stn.:	Species:	Indv/Fish #:	Scope:						
Prey item: Mertridia	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 2.2	2.3								
	Mag.									
Prey item: Temora	1	2	3	4	5	6	7	8	9	10
Total #: (9)	Length 1.2	1.1	1.0	1.2	1.2	1.1	0.7	0.8	1.3	
	Mag.									
Prey item: Neomysis	1	2	3	4	5	6	7	8	9	10
Total #: (3)	Length 5.3	5.4	4.2							
	Mag.									
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: (35)	Length 0.8	.9	0.8	0.7	0.8	0.7	0.8	0.7	0.8	0.9
	Mag.									
Prey item: Caligidae	1	2	3	4	5	6	7	8	9	10
Total #: (4)	Length 1.5	1.4	2.9	4.5						
	Mag.									
Prey item: Tortanus	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 1.0	1.0								
	Mag.									
Prey item: Cyprid	1	2	3	4	5	6	7	8	9	10
Total #: (4)	Length 1.0	1.1	0.9	0.9						
	Mag.									

Notes: unknown soft - 11 (2)

Theristo - 1 | 5.8 | 2.2 | 3.1

(4)

Pinnal shrimp - 2.1 | 2.1 | 3.4 (3)

Crab Zoea - 3.7 |

(1)

Together

2.

LTER Forage Fish

All lengths in mm

Cruise: <u>20802</u>	Stn.: <u>150</u>	Species: <u>AAE</u>	Indv/Fish #: <u>1</u>	Scope: <u>M712</u>						
Prey item: <u>Euphrasid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>6.2</u>									
	Mag.									
Prey item: <u>Coligadae</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(2)</u>	Length <u>1.4</u>									
	Mag.									
Prey item: <u>fish</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(7)</u>	Length <u>35.8</u>									
	Mag.									
Prey item: <u>Cyprid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length <u>0.7</u>									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Fish remains - 1

Cruise: <u>20802</u>	Stn.: <u>104</u>	Species: <u>AAE</u>	Indv/Fish #: <u>2</u>	Scope: <u>M712</u>						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: EMPTY

LTER Forage Fish

lengths in mm

Cruise: 201802	Stn.: 131	Species: AAE	Indv/Fish #: 2	Scope: MZ12						
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: 1095	Length 1.2	0.9	1.1	1.3	0.8	1.2	1.0	0.9	1.0	1.2
	Mag.									
Prey item: CS Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 2.7									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Digested Cope - N1111
 Themisto - 1

Cruise: 201802	Stn.: 131	Species: AAE	Indv/Fish #: 1	Scope: MZ12						
Prey item: Pseudosquilla	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 1.6									
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: 2	Length 2.7									
	Mag.									
Prey item: Themisto	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 5.7									
	Mag.									
Prey item: Hyperia	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 4.4									
	Mag.									
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: 2069	Length 0.9	1.1	1.2	1.3	1.0	1.0	1.3	1.2	1.0	0.9
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Digested Copepod - N1111 (6) hyperid - 1111 (3) Chaetognath (66)
 Unknown Soti - N1111 (11)

LTER Forage Fish

lengths in mm

Cruise: <u>201802</u>	Stn.: <u>132</u>	Species: <u>PTR</u>	Indv/Fish #: <u>3</u>	Scope: <u>M712</u>							
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(103)</u>	Length	<u>1.3</u>	<u>0.9</u>	<u>1.4</u>	<u>1.1</u>	<u>1.2</u>	<u>1.4</u>	<u>1.5</u>	<u>1.7</u>	<u>1.5</u>	<u>1.3</u>
	Mag.										
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(43)</u>	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										

Notes:

Cruise: <u>201802</u>	Stn.: <u>134</u>	Species: <u>PTR</u>	Indv/Fish #: <u>3</u>	Scope: <u>M712</u>						
Prey item: <u>Dropod lara</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length	3.6								
	Mag.									
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(5)</u>	Length	1.5	1.2	1.1	1.3	1.0				
	Mag.									
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(14)</u>	Length									
Prey item:	Mag.									
Prey item: <u>Mertindia</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(2)</u>	Length	2.2	2.3							
	Mag.									
Prey item: <u>Sapphirina</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(2)</u>	Length	2.0	2.3							
total length	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item: <u>Digested Cope</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(4)</u>	Length									
Prey item: <u>Calanus</u>	Mag.									

Notes: Strong pink color

LTER Forage Fish

length in mm

Cruise: 201802	Stn.: 167	Species: PTR	Indv/Fish #: 2	Scope: MZ12						
Prey item: <i>Pseudodiplomus</i>	1	2	3	4	5	6	7	8	9	10
Total #: 274	Length	1.7	1.6	1.5	1.5	1.6	1.5	1.5	1.6	1.5
	Mag.									
Prey item: <i>CS Calanus</i>	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length	2.3								
	Mag.									
Prey item: <i>P-Cal</i>	1	2	3	4	5	6	7	8	9	10
Total #: 2	Length	1.0	1.0							
	Mag.									
Prey item: <i>Pleuromamma</i>	1	2	3	4	5	6	7	8	9	10
Total #: 2	Length	1.4								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Digested ope - 7

Cruise: 201802	Stn.: 158	Species: PTR	Indv/Fish #: 3	Scope: MZ12						
Prey item: <i>Appendix</i>	1	2	3	4	5	6	7	8	9	10
Total #: 5	Length	2.1	1.4	1.2	1.2	1.1				
	Mag.									
Prey item: <i>Carideid shrimp</i>	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length									
	Mag.									
Prey item: <i>Soft Ucn</i>	1	2	3	4	5	6	7	8	9	10
Total #: 133	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: UNKNOWN Soft -

LTER Forage Fish

length in mm

Cruise: <u>201802</u>	Stn.: <u>152</u>	Species: <u>APS</u>	Indv/Fish #: <u>2</u>	Scope: <u>MZ12</u>							
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(2575)</u>	Length	0.8	1.0	1.1	0.9	0.8	1.0	1.2	1.1	0.9	1.1
	Mag.										
Prey item: <u>Cyprin</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(2)</u>	Length	1.4	1.1								
	Mag.										
Prey item: '	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #: _____	Length										
	Mag.										

Notes: Unknown Sott (1) Digested Copepod (1)
Chaetognath teeth present

Cruise: <u>201802</u>	Stn.: <u>130</u>	Species: <u>CHA</u>	Indv/Fish #: <u>2</u>					Scope: <u>MZ12</u>			
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(208)</u>	Length	2.8	2.6	2.3	2.4	3.0	2.8	2.7	2.9	2.6	2.8
	Mag.										
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(107)</u>	Length	0.9	1.0	0.9	0.8	1.2	1.5	1.0	0.7	0.9	0.7
	Mag.										
Prey item: <u>Calanoida</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(3)</u>	Length										
III	Mag.										
Prey item: <u>CS cal.</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	1.9									
	Mag.										
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(2)</u>	Length	2.3	2.1								
	Mag.										
Prey item: <u>Digested Cope</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(98)</u>	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										

Notes: Chaetognath - III (4)

LTER Forage Fish

Cruise: <u>201802</u>	Stn.: <u>161</u>	Species: <u>SSC</u>	Indv/Fish #: <u>2</u>	Scope: <u>MZ12</u>						
Prey item: <u>Polychaete worm</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(1)</u>	Length	<u>25.0</u>								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Unknown Soft-29

Cruise: <u>201802</u>	Stn.: <u>130</u>	Species: <u>CHA</u>	Indv/Fish #: <u>1</u>	Scope: <u>MZ12</u>						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(101)</u>	Length	<u>1.1</u>	<u>1.1</u>	<u>1.2</u>	<u>0.9</u>	<u>1.2</u>	<u>1.2</u>	<u>1.3</u>	<u>1.1</u>	<u>1.2</u>
	Mag.									
Prey item: <u>CS Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(8)</u>	Length	<u>2.2</u>	<u>2.2</u>	<u>1.7</u>	<u>2.1</u>	<u>2.0</u>	<u>2.0</u>	<u>2.2</u>	<u>1.8</u>	
	Mag.									
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(20)</u>	Length	<u>2.7</u>	<u>2.7</u>	<u>2.0</u>	<u>2.8</u>	<u>2.4</u>	<u>2.8</u>	<u>2.9</u>	<u>3.1</u>	<u>3.0</u>
	Mag.									
Prey item: <u>Digested Copepod</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(138)</u>	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: eye (1) amphipod (1)
chaetognath -11(2)

LTER Forage Fish

length in mm

Cruise: 201802	Stn.: 133	Species: PTR	Indv/Fish #: 2	Scope: M712						
Prey item: <u>Small Calanoid</u>	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 1.4	1.6								
adult ♀	Mag.									
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 2.7									
	Mag.									
Prey item: <u>Mertensia</u>	1	2	3	4	5	6	7	8	9	10
Total #: (3)	Length 1.9	2.0	2.0							
	Mag.									
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: (7)	Length 0.9	1.3	0.8	1.1	1.9	1.3	0.8			
	Mag.									
Prey item: <u>5 Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 1.9	1.6								
	Mag.									
Prey item: <u>Pleuromamma</u>	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 1.6									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Unknown soft (126) Digested cope (3)
amphipod (1)

Cruise: 201802	Stn.: 1165	Species: PTR	Indv/Fish #: 1	Scope: M712						
Prey item: <u>Appendix</u>	1	2	3	4	5	6	7	8	9	10
Total #: (106)	Length 1.3	1.2	1.7	1.2	1.7	1.2	1.4	1.0	2.0	1.2
	Mag.									
Prey item: <u>Euphausioid</u>	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 6.3									
Juv.	Mag.									
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10
Total #: (6)	Length 2.6	2.2	2.6	2.6	2.4	2.6				
	Mag.									
Prey item: <u>Pterodactylus</u>	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 1.10	1.5								
	Mag.									
Prey item: <u>P-Cal</u>	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 1.0									
	Mag.									
Prey item: <u>Caridean Shrimp</u>	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 1.4	1.2								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Crab larvae - 1
Unknown soft (126)
Digested Cope. (1)

LTER Forage Fish

lengths in mm

Cruise: <u>201802</u>	Stn.: <u>206</u>	Species: <u>APS</u>	Indv/Fish #: <u>1</u>	0	Scope: <u>MZ12</u>						
Prey item: <u>Fish larvae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(49)</u>	Length	<u>31.5</u>	<u>24.0</u>	<u>26.5</u>	<u>34.7</u>	<u>26.7</u>	<u>15.0</u>	<u>34.2</u>	<u>24.0</u>	<u>32.5</u>	<u>157.0</u>
Mag.	Mag.										
Prey item: <u>P-coi</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(12)</u>	Length	<u>0.9</u>	<u>1.0</u>	<u>1.1</u>	<u>0.9</u>	<u>0.8</u>	<u>0.9</u>	<u>0.9</u>	<u>1.1</u>	<u>0.9</u>	<u>0.9</u>
Mag.	Mag.										
Prey item: <u>Capelan Shrimp</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	<u>2.5</u>									
Mag.	Mag.										
Prey item: <u>Mysids</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(96)</u>	Length	<u>9.6</u>	<u>0.4</u>	<u>10.8</u>							
Mag.	Mag.										
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(17)</u>	Length	<u>2.3</u>	<u>3.0</u>	<u>2.5</u>	<u>2.5</u>	<u>2.6</u>	<u>2.4</u>	<u>2.3</u>	<u>2.6</u>	<u>2.5</u>	<u>2.9</u>
Mag.	Mag.										
Prey item: <u>Caligidae</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(7)</u>	Length	<u>5.6</u>	<u>4.1</u>	<u>4.1</u>	<u>4.4</u>	<u>5.1</u>	<u>5.1</u>	<u>5.8</u>			
Mag.	Mag.										
Prey item: <u>(4) Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	<u>1.9</u>									
Mag.	Mag.										

Notes: Amphipod - 6.9 (2)
 Temora - 1.3 (1)
 Fish larvae - III
 Caligidae on fish - 1
 Digested copepod (1)

Cruise: <u>201802</u>	Stn.: <u>151</u>	Species: <u>APS</u>	Indv/Fish #: <u>3</u>	Scope: <u>MZ-12</u>						
Prey item: <u>Appendicular.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(402)</u>	Length	1.1	1.3	1.2	1.2	1.0	1.2	1.2	0.9	1.2
	Mag.									
Prey item: <u>Fish larvae</u>	1	2	*3	*4	*5	6	7	8	9	10
Total #: <u>(10)</u>	Length	34.5	32.4	31.6	29.4	30.2	30.6	29.3		
<u>III</u>	Mag.									
Prey item: <u>Thermisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(3)</u>	Length	6.6	5.0							
<u>I</u>	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: Roundworm parasite - 14.8/21.3 (2)
 unknown soft - (1)

LTER Forage Fish

lengths in mm



Cruise: 201802	Stn.: 134	Species: PTR	Indv/Fish #: 20	Scope: MZ12							
Prey item: Appendic.	1	2	3	4	5	6	7	8	9	10	
Total #: (10)	Length	1.6	1.8	1.4	0.9	0.8	0.9	1.0	1.4	1.1	0.9
	Mag.										
Prey item: Crab Zoea	1	2	3	4	5	6	7	8	9	10	
Total #: (10)	Length	3.2	1.6	2.9	2.7	1.5	1.8	2.9	2.4		
11	Mag.										
Prey item: Pleuromamma	1	2	3	4	5	6	7	8	9	10	
Total #: (2)	Length	1.6	1.3								
	Mag.										
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10	
Total #: (1)	Length	2.7									
	Mag.										
Prey item: Metridia	1	2	3	4	5	6	7	8	9	10	
Total #: (3)	Length	2.1	2.3	2.3							
	Mag.										
Prey item: Sapphirina	1	2	3	4	5	6	7	8	9	10	
Total #: (1)	Length	2.7									
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										

Notes: Digested Copepod (1) Unknown soft--(68)

Cruise: 201802	Stn.: 137	Species: PTR	Indv/Fish #: 1	Scope: MZ12							
Prey item: Appendic.	1	2	3	4	5	6	7	8	9	10	
Total #: (4)	Length	1.1	0.7	1.2	1.1						
	Mag.										
Prey item: Sapphirina	1	2	3	4	5	6	7	8	9	10	
Total #: (12)	Length	2.0	2.1	3.0	2.7	2.8	2.8	2.9	2.6	1.8	1.9
TL	Mag.										
Prey item: Mertridia	1	2	3	4	5	6	7	8	9	10	
Total #: (1)	Length	1.7									
	Mag.										
Prey item: Parasite Worm	1	2	3	4	5	6	7	8	9	10	
Total #: (1)	Length	5.6									
	Mag.										
Prey item: Gammarid	1	2	3	4	5	6	7	8	9	10	
Total #: (2)	Length	5.9	5.1								
	Mag.										
Prey item: Ukn Soft	1	2	3	4	5	6	7	8	9	10	
Total #: (807)	Length										
	Mag.										
Prey item:	1	2	3	4	5	6	7	8	9	10	
Total #:	Length										
	Mag.										

Notes:

LTER Forage Fish

Cruise: 201802	Species: AAE	Scope: M205C	SG		
Stn.: 152	Indv/Fish #: 3	Measuremnts			
Key item	Total #	Length	Mag.	Length	Mag.
Hyperiid		1.		6.	
>3 only parts remain	present	2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Chaetognath		1.		6.	
- only strings/teeth remain	present	2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Unknown Soft		1. 2.7	2.5	6. 2.4	2.5
could be Oikopleura heads too d. gested to tell stringy		2. 4.3	2.5	7. 2.1	2.5
		3. 2.3	2.5	8. 1.9	2.5
		4. 2.7	2.5	9. 2.6	2.5
	171	5. 2.2	2.5	10. 2.5	2.5
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	

Comments:

LTER Forage Fish

Cruise: 201802	Species: CHA	Scope: LM205C	SG		
Stn. : 152	Indv/Fish # : 1	Measuremnts			
Prey item	Total #	Length	Mag.	Length	Mag.
Thermisto	 	1. 11.7	1.25	6. 14.8	1.25
Juv. Thermisto	 	2. 12.5	1.25	7. 11.2	1.10
	 97	3. 13.3	1.10	8. 11.2	1.25
	 19	4. 14.4	1.25	9. 13.3	1.25
		5. 9.0	1.25	10. 11.5	1.25
Worm	1	1. 14.5	1.25	6.	
Intestinal Parasite		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
P. calanus	1	1. 4.0	5.0	6.	
prosomal length		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	

Comments: Fish-III

LTER Forage Fish

Cruise: 201802	Species: CAA	Scope: M 205 C			
Stn.: 153	Indv/Fish #: 3	Measuremnts			
Key item	Total #	Length	Mag.	Length	Mag.
Flat Worm Parasite		1. 3.4	0.78	6.	
Flat worm	Round parasite	2. 4.2	0.78	7.	
		3.		8.	
		4.		9.	
		5.		10.	
Copepods	III	1. 2.3	1.25	6.	
Cephalosome only		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Onchoglyth	IIII	1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Calanus		1. 6.2	2.5	6. 2.5	1.25
more broken		2. 6.8	2.5	7. 3.1	1.25
		3. 6.5	2.5	8.	
		4. 5.1	2.5	9.	
		5. 3.0	1.25	10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	

Comments:

LTER Forage Fish

Cruise: 201802	Species: AFS	Scope: M205C			
Stn.: 1600	Indv/Fish #: 1	Measuremnts			
Prey item	Total #	Length	Mag.	Length	Mag.
Hyperid	1	1. 2.6	1.25	6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Crab Megalopa	1	1. 1.9	0.78	6.	
Shell width		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
Oikopleura	1.5	1. 1.5	1.0	6.	
appendicularian		2. 1.2	1.0	7.	
		3. 0.9	1.0	8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	
		1.		6.	
		2.		7.	
		3.		8.	
		4.		9.	
		5.		10.	

Comments:

LTER Forage Fish

Cruise: 201802	Species: SSC	Scope: M205C				
Stn.: 154	Indv/Fish #: 1	Measuremnts				
Prey item	Total #	Length	Mag.	Length	Mag.	
Chaetognath	210	1. 11.1	0.78	6. 22	0.78	
		2. 8.8	0.78	7. 17.6	0.78	
		3. 14.6	0.78	8. 14.7	"	
		4. 15.1	0.78	9. 13.4	"	
		5. 15.9	0.78	10. 16.9	"	
Appendicularian Cephalic lobe	9	1. 1.1	0.78	6. 1.2	1.25	
		2. 0.9	1.25	7. 1.1	1.25	
		3. 1.0	1.25	8. 1.6	1.25	
		4. 1.1	1.25	9. 1.6	2.0	
		5. 1.3	1.25	10.		
Brachy worm round	3	1. 10.3	0.78	6.		
		2. 3.6	1.0	7.		
		3. 7.3	0.78	8.		
		4.		9.		
		5.		10.		
Pterocalanus Prosoma length	7	1. 4.6	4.0	6. 4.3	5.0	
		2. 2.3	1.6	7. 3.6	5.0	
		3. 2.4	2.5	8.		
		4. 2.6	2.5	9.		
		5. 4.7	5.0	10.		
Lilomastigidae family	1	1. 7.4	8.0	6.		
		2.		7.		
		3.		8.		
		4.		9.		
		5.		10.		
Fammarus Centropages	2	1. 6.9	5.0	6.		
		2. 3.8	3.2	7.		
		3.		8.		
		4.		9.		
		5.		10.		
Mertensia Juv. M	1	1. 4.2	4.0	6.		
		2.		7.		
		3.		8.		
		4.		9.		
		5.		10.		

Comments:

4 Ostracod	1.2	2.0x	0.8	1.25
"	0.7	1.25	0.9	1.25
1 Veliger	0.8	1.25		

reactions
creations

LTER Forage Fish

Cruise: 201802	Stn.: 1101	Species: PTR	Indv/Fish #: 1	Scope: M20SC						
Prey item: Phronima	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 9.2									
length	Mag. 0.78									
Prey item: Unknown Salt	1	2	3	4	5	6	7	8	9	10
Total #: 11	Length									
Unknown	Mag.									
Prey item: Thomisto	1	2	3	4	5	6	7	8	9	10
Total #: 1	Length 7.9									
-	Mag. 0.78									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Case of *Phronima* also prey item.

Cruise: <u>20B02</u>	Stn.: <u>152</u>	Species: <u>CHA</u>	Indv/Fish #: <u>2</u>	Scope: <u>LM205C</u>						
Prey item: <u>Thomisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>94</u>	Length <u>6.8</u>	<u>12.6</u>	<u>5.8</u>	<u>9.8</u>	<u>8.4</u>	<u>9.5</u>	<u>11</u>	<u>6.7</u>	<u>9.6</u>	<u>11.9</u>
Prey item: Thomisto	Mag. <u>0.78</u>	<u>1.25</u>	<u>0.78</u>	<u>1.25</u>	<u>1.0</u>	<u>1.6</u>	<u>1.6</u>	<u>1.0</u>	<u>1.25</u>	<u>2.0</u>
Prey item: <u>Bristled thomisto</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length <u>2.3</u>									
<u>found in pouch</u>	Mag. <u>2.0</u>									
Prey item: <u>Fish</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length <u>7.8</u>	<u>72.5</u>								
	Mag. <u>0.78</u>	<u>0.8</u>	<u>← M60</u>							
Prey item: <u>Limacina</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length <u>2.2</u>									
	Mag. <u>0.78</u>									
Prey item: <u>Gammarus</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length <u>1.3</u>									
<u>Heard only</u>	Mag. <u>0.78</u>									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: most digested hyperids were purple (different kind?)

LTER Forage Fish

Lengths in mm

Cruise: 201802	Stn.: 2016	Species: AFS	Indv/Fish #: 2	Scope: M212							
Prey item: Fish larval	1	2	3	*4	5	6	7	8	9	10	
Total #: (112)	Length	27.9	31.5	30.3	24.9	44.2	30.9	36.0	32.6	29.5	34.5
	Mag.										
Prey item: Appendic.	1	2	3	4	5	6	7	8	9	10	
Total #: (119)	Length	1.2	1.4	1.3	1.7	2.4	1.5	1.4	1.0	2.2	1.5
	Mag.										
Prey item: Thernisto	1	2	3	4	5	6	7	8	9	10	
Total #: (3)	Length	6.2	3.9	5.2							
	Mag.										
Prey item: P-cal	1	2	3	4	5	6	7	8	9	10	
Total #: (23)	Length	1.0	1.2	1.1	0.8	1.1	1.0	1.0	1.0	1.0	1.1
	Mag.										
Prey item: Parasite	1	2	3	4	5	6	7	8	9	10	
Total #: (2)	Length	10.7	15.6								
round worm	Mag.										
Prey item: Caligidoc	1	2	3	4	5	6	7	8	9	10	
Total #: (15)	Length	4.4	3.8	4.3	6.1	5.8	6.6	2.7	6.0	2.3	5.3
	Mag.										
Prey item: Microstella	1	2	3	4	5	6	7	8	9	10	
Total #: (1)	Length	0.4									
	Mag.										

Notes: Caligidoc on fun-III (4) Chaetognath (1)
 Digestal copepod (1) Calanus 2.4/2.7/2.8/2.6
 Peneid shrimp - 5.1/4.1 (2) Segmented worm (1)

Cruise: 201802	Stn.: 141	Species: ADV	Indv/Fish #: 1	Scope: M212							
Prey item: Paraeuchaeta	1	2	3	4	5	6	7	8	9	10	
Total #: (5)	Length	5.3	5.0	4.6	5.1	4.3					
	Mag.										
Prey item: Hypena	1	2	3	4	5	6	7	8	9	10	
Total #: (4)	Length	2.8	4.3	4.5	4.1						
	Mag.										
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10	
Total #: (20)	Length	1.8	1.0	1.0	1.6	1.2	1.0	2.2	1.5	1.0	1.2
	Mag.										
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10	
Total #: (16)	Length	2.6	2.7	2.6	2.5	2.7	2.5	2.7	2.8	2.8	2.5
	Mag.										
Prey item: 05 Calanus	1	2	3	4	5	6	7	8	9	10	
Total #: (273)	Length	2.0	2.4	2.3	2.2	2.2	2.3	2.3	2.2	2.1	2.2
	Mag.										
Prey item: Ppa1	1	2	3	4	5	6	7	8	9	10	
Total #: (71)	Length	1.0	1.3	1.1	1.0	1.2	1.2	1.3	1.1	0.9	1.7
	Mag.										
Prey item: Calanoida	1	2	3	4	5	6	7	8	9	10	
Total #: (3)	Length	3.8	4.2	4.0							
	Mag.										

Notes: Neomysis - 5.3/5.8 (3) Soft Vkh (1)
 Temora - 1.3 (1) Digestal cope - (47)
 Cyprid - 1.0 (1)

ATER Forage Fish

length in mm

Cruise: 201802	Stn.: 135	Species: APS	Indv/Fish #: 2	Scope: MZ12						
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (1072)	Length 1.4	1.4	0.9	1.0	1.0	1.2	1.1	0.9	1.1	0.9
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 2.7	2.8								
	Mag.									
Prey item: Unknown Sott	1	2	3	4	5	6	7	8	9	10
Total #: (79)	Length									
	Mag.									
Prey item: Digestel Cope	1	2	3	4	5	6	7	8	9	10
Total #: (103)	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Candacia - 111 (8)

Hyperiid - 1 (2)

Caligiidae - 0.8

Caridean Shrimp - 3.2

tomopteris - 1

Cruise: 201802	Stn.: 155	Species: SSC	Indv/Fish #: 1	Scope: MZ12						
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (2719)	Length 0.9	1.1	1.0	.8	.8	0.8	0.9	0.6	1.9	1.2
	Mag.									
Prey item: Centropages	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length 1.5									
	Mag.									
Prey item: Parasitic	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length 17.2	13.9								
roundworm	Mag.									
Prey item: Small Cal	1	2	3	4	5	6	7	8	9	10
Total #: (116)	Length 1.0	1.6	0.4	1.0	1.7	1.1	1.3	1.6	1.3	1.0
	Mag.									
Prey item: Cypnid	1	2	3	4	5	6	7	8	9	10
Total #: (5)	Length 0.9	0.9	1.0	0.8	0.9					
	Mag.									
Prey item: Mertridia	1	2	3	4	5	6	7	8	9	10
Total #: (18)	Length 2.4	1.2	2.4	2.4	2.6	2.1	2.2	2.3	1.9	1.5
	Mag.									
Prey item: CS Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (3)	Length 2.4	1.8	1.4							
	Mag.									

Notes: Chaetognath

Mysis - 3.6 (1)

Calanus - 2.9 | 3.2 | 2.7

Oithona 0.6 | 0.4 | 0.8 | 0.5 | 0.6
(12) 0.6 | 0.5 | 0.6 | 0.6 | 0.6

Juv. Mertridia - 2.1 | 2.0 | 1.7 | 1.9 | 1.9 | 1.8
(6)

Calyptrid - 3.0
(1)

(40) Chaetognath - 20.4 | 24.2 | 23.0 | 22.7 | 22.8 | 23.0 | 21.1 | 24.9 | 21.1 | 22.6

appendicularians smaller than normal

Tempra 1.5 | 1.3 | 1.0
(3)

Clione 3.2 | 1.9
2.4 | (3)

Unknown (183) Sottis

Digestal Copes (76)

Caligiidae 0.8
(1)

LTER Forage Fish

lengths in mm

Cruise: <u>201802</u>	Stn.: <u>163</u>	Species: <u>PTR</u>	Indv/Fish #: <u>2</u>	Scope: <u>M712</u>							
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(77)</u>	Length	1.5	1.6	1.7	2.1	1.8	2.5	3.0	2.9	2.0	1.9
	Mag.										
Prey item: <u>Sapphirina</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(4)</u>	Length	2.5	2.1	2.8	3.0						
<u>total length</u>	Mag.										
Prey item: <u>Pleuromamma</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	2.7									
	Mag.										
Prey item: <u>Rhincalanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	4.4									
	Mag.										
Prey item: <u>Calanus</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	2.9									
	Mag.										
Prey item: <u>Ostracod</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	1.3									
	Mag.										
Prey item: <u>Metridia</u>	1	2	3	4	5	6	7	8	9	10	
Total #: <u>(1)</u>	Length	1.5									
	Mag.										

Notes: Unknown Soft - (80)

Cruise: <u>201802</u>	Stn.: <u>132</u>	Species: <u>PTR</u>	Indv/Fish #: <u>2</u>	Scope: <u>M712</u>						
Prey item: <u>Appendic</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(33)</u>	Length	0.9	1.1	1.6	1.0	1.5	1.5	0.9	1.4	1.8
	Mag.									
Prey item: <u>Unknown Soft</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>(100)</u>	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes:

LTER Forage Fish

lengths in mm

Cruise: 201802	Stn.: 137	Species: PTR	Indv/Fish #: 3	Scope: MZ12						
Prey item: Ucauna	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	1.1								
	Mag.									
Prey item: Sapphirina	1	2	3	4	5	6	7	8	9	10
Total #: (8)	Length	2.3	2.7	2.6	2.8	2.4	2.8	2.8	2.3	
TL	Mag.									
Prey item: P-Cal	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	1.5								
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	2.9								
	Mag.									
Prey item: Unknown Soft	1	2	3	4	5	6	7	8	9	10
Total #: (302)	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

Cruise: 201802	Stn.: 130	Species: CHA	Indv/Fish #: 3	Scope: MZ12						
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (193)	Length	1.1	0.8	1.0	1.0	0.8	0.9	0.9	1.6	1.1
	Mag.									
Prey item: C5 Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (9)	Length	2.7	2.3	2.4	2.5	2.7	2.7	2.5	2.4	2.6
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (7)	Length	2.3	2.8	3.0	2.7	2.7	2.8	3.1		
	Mag.									
Prey item: Crustacean	1	2	3	4	5	6	7	8	9	10
Total #: (4)	Length									
III	Mag.									
Prey item: Digital Cope	1	2	3	4	5	6	7	8	9	10
Total #: (95)	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

LTER Forage Fish

lengths in mm

Cruise: 201802	Stn.: 108	Species: APS	Indv/Fish #: 2	Scope: MZ12						
Prey item: Hyperia	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 7.4	8.1	10.2							
	Mag.									
Prey item: Fish Remains	* 1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 17.5	21.7	26.3	28.5	19.1	21.6				
	Mag.									
Prey item: Small Calanoid	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 1.5	1.6								
	Mag.									
Prey item: Veliger	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 0.4	0.4	0.4							
	Mag.									
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 0.9	1.2								
	Mag.									
Prey item: Centropages	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 1.4									
	Mag.									
Prey item: Caligidae	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 1.4									
	Mag.									

Notes: * - w/ ectoparasite

Temora - 1.3

Cruise: 201802	Stn.: 206	Species: SSC	Indv/Fish #: 2	Scope: MZ12						
Prey item: Caligidae	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 4.2	4.0	2.2	4.9	2.6	4.4	5.1	(7)		
Appendic. (10)	Mag. 2.6	1.4	1.1	1.2	1.0	1.4	1.3	1.1	1.4	1.3
Prey item: CS Calanoid	1	2	3	4	5	6	7	8	9	10
Total #: (54)	Length 2.1	2.0	2.1	2.3	2.2	2.2	2.4	2.3	2.4	2.3
Metridia	Mag. 2.2	2.6	(2)							
Prey item: Gammarid (small)	1	2	3	4	5	6	7	8	9	10
Total #: (15)	Length 2.0	1.6	1.8	1.4	1.9	1.8	1.9	1.8	1.4	1.3
Gammarid (19) (10)	Mag. 9.7	10.0	14.4	8.9	13.0	12.3	8.9	9.9	9.3	8.9
Prey item: Fish larvae	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length 48.8	46.7	(2)							
Crustacean shrimp	Mag. 3.4	1 (2)								
Prey item: Small calanoid	1	2	3	4	5	6	7	8	9	10
Total #: (353)	Length 1.5	1.6	2.1	1.9	1.8	1.6	1.8	1.9	1.3	2.0
Temora	Mag. 1.8	(1)								
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (101)	Length 2.8	3.1	2.8	2.8	2.8	2.6	2.7	3.0	2.7	2.9
Pteromamma	Mag. 1.6	(1)								
Prey item: Centropages	1	2	3	4	5	6	7	8	9	10
Total #: (24)	Length 1.5	1.4	1.8	1.6	1.4	1.4	1.5	1.4	2.0	1.1
	Mag.									

Notes: Unknown Crustacean - (13)

Digested Cope - (210)

Unknown Soft - (6)

LTER Forage Fish

lengths in mm

Cruise: 201802	Stn.: 152	Species: AAE	Indv/Fish #:	Scope: M712						
Prey item: Cyprid	1	2	3	4	5	6	7	8	9	10
Total #: (3)	Length	1.0	0.9	1.3						
	Mag.									
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (22)	Length	0.9	1.2	1.0	1.0	1.0	1.1	1.2	1.0	1.1
-28	Mag.									
Prey item: Small Calanoid	1	2	3	4	5	6	7	8	9	10
Total #: (3)	Length	1.0	1.0	1.1						
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: Clione (1) amphipod (1) unknown Sotz (1) Digested cope (1)

Cruise: 201802	Stn.: 159	Species: PTR	Indv/Fish #:	Scope: M712						
Prey item: Small Calanoid	1	2	3	4	5	6	7	8	9	10
Total #: (113)	Length	1.5	1.4	1.3	1.2	1.4	1.4	1.3	1.4	1.4
1	Mag.									
Prey item: Appendic	1	2	3	4	5	6	7	8	9	10
Total #: (13)	Length	1.2	1.1	1.1	1.2	2.2	1.7	1.7	2.2	2.3
	Mag.									
Prey item: Metridia	1	2	3	4	5	6	7	8	9	10
Total #: (7)	Length	1.8	1.6	1.8	1.5	1.4	1.5	1.6		
	Mag.									
Prey item: CS Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (2)	Length	1.8	2.2							
	Mag.									
Prey item: Deropod Zoaea	1	2	3	4	5	6	7	8	9	10
Total #: (5)	Length	3.2	3.1	3.6	3.8	3.1				
	Mag.									
Prey item: Calanus	1	2	3	4	5	6	7	8	9	10
Total #: (1)	Length	2.3								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes:

(2)

LTER Forage Fish

Cruise: <u>201802</u>	Stn. : <u>137</u>	Species: <u>PTR</u>	Indv/Fish # : <u>1</u>	Scope: <u>M712</u>						
Prey item: <u>Appendic.</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>19</u>	Length	<u>1.8</u>	<u>1.0</u>	<u>1.2</u>	<u>1.1</u>	<u>1.3</u>	<u>1.1</u>	<u>1.1</u>	<u>1.4</u>	<u>1.0</u>
	Mag.									
Prey item: <u>Small Calanoid</u>	1	2	3	4	5	6	7	8	9	10
Total #: <u>1</u>	Length	<u>0.8</u>								
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #:	Length									
	Mag.									

Notes: UNKNOWN soft - 19

Cruise: _____	Stn. : _____	Species: _____	Indv/Fish # : _____	Scope: _____						
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									
Prey item:	1	2	3	4	5	6	7	8	9	10
Total #: _____	Length									
	Mag.									

Notes: