

Succession of hydrocarbon seep communities associated with the long-lived foundation species *Lamellibrachia luymesii*

Erik E. Cordes^{1,3,*}, Stephane Hourdez², Benjamin L. Predmore¹, Meredith L. Redding¹, Charles R. Fisher¹

¹Biology Department, Pennsylvania State University, 208 Mueller Lab, University Park, Pennsylvania 16802, USA

²Equipe Ecophysiologie, CNRS-UPMC UMR 7127, Station Biologique, BP74, 29682 Roscoff, France

³Present address: Department of Organismal and Evolutionary Biology, Harvard University, 26 Oxford St., Cambridge, Massachusetts 02138, USA

*Email: ecc131@psu.edu

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Appendix 1. Abundance (no.) or presence (P) of associated fauna. Collections are arranged in order of increasing age. Species are designated to lowest known taxonomic level. Each category represents a single species unless designated by 'spp.' Undescribed species designated by 'sp. nov'. Residency status (e = endemic, n = non-endemic, u = unknown) and trophic level (pp = primary producer, pc = primary consumer, sc = secondary consumer, hc = higher-order consumer) indicated

		1h	1g	2a	1d	2b	1c	1b	2c	1e	1j	1a	1i	1f
Porifera														
	<i>Ectomyxilla methanophila</i>	e,pp	P				P	P	P	P		P		P
Cnidaria														
Hydrozoa														
	Hydrozoa spp.	u,pc	P			P		P	P	P	P	P	P	P
Anthozoa														
	<i>Callogorgia americanus</i>	n,pc				P								
	Ceriantharia sp.	u,pc									1			
	<i>Phalangopora</i> sp.	n,pc			P	P	P	P	P	P		P		P
	Stolonifera sp.	n,pc						P				P		
	Zoanthidea sp.	n,pc	P							P	P		P	
Platyhelminthes														
	Platyhelminthes sp.	u,sc						1						
Nemertea														
	Nemertea sp.	u,sc	1	5	3	4	11	7	15	4	30	17	1	2
Sipuncula														
	<i>Phascolosoma turnerae</i>	n,pc	4	19	27	7	19	1	59	5	63	21	1	
Annelida														
Polychaeta														
	<i>Branchinotogluma</i> sp. nov.	e,sc	24	5	1	34	32	33	61	15	45	10		2
	Capitellidae sp.	u,pc			1	28				4	1		2	
	Ctenodrilidae sp.	u,pc										3		
	<i>Eteone</i> sp.	u,pc	12		1		6	21	6	1	67	18		
	<i>Eulalia</i> sp.	u,sc									1			
	<i>Eumida sanguinea</i>	n,sc	3					3	5			5		
	Eunicidae sp.	u,sc									1			
	<i>Eunice</i> sp. nov.	e,sc			1		3	14		6	7	18	6	2
	<i>Euratella</i> sp.	u,pc			13					1				
	<i>Eurythoe</i> sp. nov.	e,sc		3				37				3		
	<i>Euthalenessa</i> sp.	u,pc								1				
	<i>Genetyllis</i> sp.	u,pc								1				
	<i>Glycera tessellata</i>	n,sc		2	2	1			3	2	4	13	3	1
	Glyceridae sp.	u,sc									1			
	<i>Harmothoe</i> sp.	u,sc	17	2	2	18	21	18	10	10	11	2	27	11
	<i>Lumbrineris tenuis</i>	n,sc					1	1	2		2	5	5	1
	<i>Lysidice ninetta</i>	n,sc						1	1			5	1	
	<i>Mayella</i> sp.	u,pc			1									
	<i>Methanoaricia dendrobranchiata</i>	e,pc		1										
	<i>Neoamphitrite</i> sp.	u,pc				5					3	2		2
	<i>Nephtys</i> sp.	u,sc		2										
	<i>Nereis</i> sp. nov.	e,sc										3		
	<i>Nicomache</i> sp.	u,pc			1			8						
	<i>Paranaitis polynoides</i>	n,sc			1			1				5		
	<i>Pholoe</i> sp.	u,sc			1					9				
	<i>Phyllosyllis</i> sp.	u,pc						3				1		

Appendix 1 (continued)

		1h	1g	2a	1d	2b	1c	1b	2c	1e	1j	1a	1i	1f
<i>Pseudosyllides</i> sp.	u,pc							1				2		
<i>Questa</i> sp.	u,pc									1				
<i>Sabellastarte</i> sp.	u,pc						1	9		47	1	14		
Sabellidae sp.	u,pc	P	P	P	P	P	P	P	P	P	P	P	P	P
<i>Scoloplos</i> sp.	u,pc						13							
Spintheridae sp.	u,pc	2												
Terebellidae sp.1	u,pc	1												
indet. Polychaete	u,pc				6					1				
Mollusca														
Polyplacophora														
<i>Leptochiton</i> spp.	n,pc				1	15	3	4		12	3	18	5	2
Gastropoda														
<i>Bathynnerita naticoidea</i>	e,pc	121	164		1	2		38				2		
<i>Cancellaria rosewateri</i>	n,sc			2					1			1		
<i>Cantrainea macleani</i>	n,pc				2									
<i>Cataegis meroglypta</i>	n,pc	7	1	2			6		2					
<i>Diodora tanneri</i>	n,pc			2	1	1		2		3	7	5	2	
<i>Eosipho canetae</i>	n,pc				2									
<i>Gymnobella</i> sp. nov.	e,pc			3										
<i>Iothia</i> sp. nov.	e,pc			1			6	4		1		4	1	
<i>Odostomia</i> sp. nov.	e,pc	2					15		1					
<i>Provanna sculpta</i>	e,pc	336	79	1	61	7		6		4	1	2	1	
<i>Turbonilla</i> sp. nov.	e,pc									4				
Bivalvia														
<i>Acesta</i> sp. nov.	e,pc									1	8		1	
<i>Bathymodiolus childressi</i>	e,pp	39	18	1	4	4		1		2		1		
<i>Cuspidaria</i> sp.	e,pp			2		2			1					
Lucinidae spp.	e,pp						1			2	1	2		
<i>Pecten</i> sp.	u,pc												1	
<i>Tamu fisheri</i>	e,pp		3											
Vesicomylidae sp.	e,pp	2			5	1	5	1		3		3		1
indet. Bivalvia	u,pc			2										
Arthropoda														
Crustacea														
<i>Alvinocaris stactophila</i>	e,pc	30	23	259	27	52	9	42	65	6	2	21	4	
Ampeliscidae sp.	u,pc	2		3	4	12	5	17	1	14	9	59	2	
Atelecyclidae sp.	e,pc	1		3	1	1	2	2		2		2	3	
<i>Calaxius</i> sp.	n,pc											1	2	
<i>Costatoverruca floridana</i>	n,pc							1		1	3	2	6	2
Eusiridae sp. 1	u,pc						1		2					
Eusiridae sp. 2	u,pc													1
Hyperiididae sp.	u,pc											1		
<i>Munidopsis</i> sp. nov. 1	e,sc	18	16	81	23	35	31	3	60	169		13	32	75
<i>Munidopsis</i> sp. nov. 2	e,sc				1	3		7	1	32	5	10	10	4
<i>Nibilia</i> sp.	u,sc						1			1	1		1	
<i>Periclimenes</i> sp.	u,pc	1		5	2	36	4	29	16	110	36	44	28	6
<i>Phippisia</i> sp.	n,pc				2	3	11	6	8	66	6	6	12	5
<i>Platyscelid</i> sp.	u,pc											1		
<i>Plesionika</i> sp.	u,sc										1			
<i>Rochinia tanneri</i>	n,sc				1					13	2	1	1	2
<i>Stenopus</i> sp.	n,pc												1	
<i>Vibiliid</i> sp.	u,pc									1				
Larval shrimp sp.	u,pc							9				2		
Chelicerata														
Pycnogonida														
<i>Anoplodactylus</i> sp.	u,sc						3	3		1		3	1	
<i>Pentacolosseis</i> sp.	u,sc							1				3		
Echinodermata														
Ophiuroidea														
Ophioneridae sp. nov	n,pc						1							
Asteroidea														
<i>Sclerasterias tanneri</i>	n,hc							1		2		1		
Chordata														
Osteichthyes														
<i>Bellottia</i> sp.	n,hc			1	1		1	2		6	2		3	
<i>Diaphus dummerli</i>	n,hc							1						
<i>Ilyophis brunneus</i>	n,hc			3				2					1	