Section No.	Section Designation	County	Coordinates at base of measured section	Unit exposed	Measurement of section	Remarks
22	Ford A	Madison	E. 1,974,900; N. 140,500	Middle and upper parts of Lexington Limestone and Clays Ferry Formation	G. W. Weir and R. C. Greene	Type section of Clays Ferry Formation (Weir and Greene, 1965).
31	Valley View A (Cuzick)	Madison	E. 1,940,700; N. 123,500	Lexington Limestone	R. C. Greene and P. L. Cassity	Stream exposure.
61	Switzer A	Franklin	E. 1,829,650; N. 295,800	do.	E. R. Cressman and D. F. B. Black	Roadcuts.
62	Gratz A	Owen	E. 1,807,100; N. 352,200	Middle and upper parts of Lexington Limestone; Clays Ferry and Kope Formations	do.	Roadcuts.
86	Frankfort East A	Franklin	E. 1,827,150; N. 241,350	Lexington Limestone	do.	Reference section of Lexington Limestone (Black and others, 1965, p. 11).
87	Frankfort East B	Woodford	E. 1,831,250; N. 236,950	Lower part of Lexington Limestone	do.	Gully exposure.
88	Frankfort West A	Franklin	E. 1,816,150; N. 240,230	Middle and upper parts of Lexington Limestone	do.	Type section of Tanglewood Limestone Member of Lexington Limestone (Black and others, 1965, p. 22).
151	Georgetown A	Scott	E. 1,921,100; N. 253,500	Middle part of Lexington Limestone	E. R. Cressman, S. P. Kanizay, and Ernest Dobrovolny	Roadcuts.
154	Coletown A (Spears Road)	Fayette	E. 1,950,000; N. 137,700	Lexington Limestone	D. F. B. Black and Ernest Dobrovolny	Creek exposure.
166	Lexington East 1	do.	E. 1,934,000; N. 184,650	Middle and upper parts of Lexington Limestone and Clays Ferry Formation	Ernest Dobrovolny	
173	Moorefield A	Nicholas	E. 2,087,050; N. 312,650 Top of section at E. 2,085,550 N. 313,950	Upper part of Lexington Limestone	D. F. B. Black and J. S. Pomeroy	Reference section of Nicholas Bed of Tanglewood Limestone Member of Lexington Limestone (Black and others, 1965, p. 27).
175	Salvisa A	Anderson	E. 1,821,500; N. 174,550	Upper part of Lexington Limestone	E. R. Cressman and D. F. B. Black	Roadcuts.
176	Salvisa B	do.	E. 1,835,050; N. 173,600	Lower and middle parts of Lexington Limestone	do.	Do.
179	Sadieville A	Scott	E. 1,906,400; N. 328,200	Upper part of Lexington Limestone and lower part of Clays Ferry Formation	E. R. Cressman	Roadcuts.
180	Valley View C (Antioch Church Road)	Jessamine	E. 1,929,350; N. 105,200	Middle and upper parts of Lexington Limestone and Clays Ferry Formation	D. E. Wolcott, E. R. Cressman, and D. F. B. Black	Do.
192	Sadieville C	Scott	E. 1,915,500; N. 323,650	Upper part of Lexington Limestone and lower part of Clays Ferry Formation	E. R. Cressman	Do.
195	Falmouth A	Pendleton	E. 1,971,850; N. 430,350	Point Pleasant Tongue of basal part of Kope Formation	E. R. Cressman and D. F. B. Black	Roadcuts.
1004	Winchester A (Dry Fork Road)	Clark	E. 2,031,000; N. 158,200	Upper part of Lexington Limestone	D. F. B. Black	Roadcuts.

A, LOCALITIES OF MEASURED SECTIONS WITH COLLECTIONS OF BRYOZOANS IN THE LEXINGTON LIMESTONE, THE CLAYS FERRY FORMATION, AND THE KOPE FORMATION IN KENTUCKY (MODIFIED AFTER CRESSMAN, 1973, TABLE 1). SECTION DESIGNATION: NAME OF 7½-MINUTE QUADRANGLE FOLLOWED BY LETTER FOR SURFACE SECTION OR NUMBER FOR SUBSURFACE SECTION; NAME OR LOCATION SHOWN IN PARENTHESES. ALL COORDINATES ARE IN NORTH ZONE OF KENTUCKY 10,000-FOOT GRID SYSTEM. GEOGRAPHIC LOCATION OF SECTIONS SHOWN IN FIGS. 2 AND 3. SECTIONS SHOWN IN LINES OF SECTION *A-A'*, *B-B'* AND *C-C'* IN PLATE 1.

SPECIES	Percent (%) of species in fauna	LITHIC UNITS: Lexington Limestone: Curdsville Limestone Member	Logana Member	Grier Limestone Member	Perryville Limestone Member	Brannon Member	Sulphur Well Member	Tanglewood Limestone Member	Tongue of Clays Ferry Formation	Millersburg Member	Clays Ferry Formation: Point-Pleasant Tongue	Kope Formation	Number of specimens sectioned of each taxon
Batostoma cf. *B. jamesi* (Nicholson)	0.06										1		1
Amplexopora persimilis (Nickles)	0.28									1	2	2	5
Mesotrypa sp.	0.06									1			1
Atactoporella newportensis Ulrich	1.74							6	5	14	6		31
Constellaria fischeri Ulrich	0.33							1	2	3			6
Dekayia sp.	0.17								2	1			3
Peronopora vera (Ulrich)	3.65							3	10	31	5	11	5	65
Stigmatella clavis (Ulrich)	0.67						2					10		12
Parvohallopora onealli (James)	6.11				1			17	14	14	9	38	16	109
Eridotrypa sadievillensis, n. sp.	2.02							7	10	11	3	5		36
Papillalunaria spatiosa (Ulrich)	0.06					1								1
Acanthoceramoporella valliensis, n. sp.	0.11						1			1				2
Parvohallopora nodulosa (Nicholson)	13.29				1	5	20	32	1	7	1	159	11	237
Ceramoporella distincta Ulrich	0.22					2				2				4
Heterotrypa foliacea (Ulrich & Bassler)	13.57					6	25	63		55	1	86	6	242
Peronopora milleri Nickles	2.52			1		6	14	9				15		45
Constellaria teres Hayes & Ulrich	14.92			1		1	4	151	15	68		26		266
Amplexopora aff. *A. winchelli* Ulrich	1.74			24	1			3		3				31
Ceramophylla alternatum (James)	1.07			3	3	2		1				10		19
Crepipora venusta (Ulrich)	1.29			2			2			1		18		23
Stigmatella multispinosa Brown	0.44			5				3						8
Dekayia epetrima n. sp.	0.39			4				2						6
Eridotrypa mutabilis Ulrich	12.17			27	1	11	17	54	11	15	16	63	2	217
Homotrypa cressmani n. sp.	3.14			1	1	1	5	37	1	5		5		56
Balticopora tenuimurale (Ulrich)	1.63			15		5		8				1		29
Cyphotrypa acervulosa (Ulrich)	0.39			5		1		1						7
Eridotrypa trentonensis (Nicholson)	6.06			65		1	1	5		15		21		108
Prasopora falesi (James)	4.09			61		2	2	3				5		73
Homotrypa similis Foord	0.50			8				1						9
Stigmatella sp.	0.06							1						1
Balticopora arcuatilis n. sp.	0.11			1		1								2
Cyphotrypa switzeriensis n. sp.	0.33			6										6
Homotrypella granulifera (Ulrich)	0.50			9										9
Heterotrypa trentonensis (Ulrich)	2.19			39										39
Mesotrypa angularis Ulrich & Bassler	0.17			3										3
Tarphophragma multitabulata (Ulrich)	3.98	1		66		3		1						71
Number of specimens sectioned from each lithic unit		1		346	8	48	93	409	71	248	35	482	42	

B, DISTRIBUTION OF THE BRYOZOAN SPECIES (NUMBER OF THIN-SECTIONED SPECIMENS OF SPECIES IN PERCENT OF FAUNA) IN THE DIFFERENT LITHIC UNITS OF THE LEXINGTON LIMESTONE AND THE CLAYS FERRY AND KOPE FORMATIONS. THE TOTAL NUMBER OF THIN-SECTIONED SPECIMENS OF EACH SPECIES IS INDICATED IN THE LEFT SIDE OF THE TABLE; THE RELATIVE ABUNDANCE OF EACH SPECIES IN PERCENT IN THE FAUNA IS INDICATED AFTER THE NAME OF EACH SPECIES.

LINES OF SECTION	*A-A'* 0'-200' above base Lexington Limestone							*A-A'* 200' above base Lexington Limestone to top collected section							*B-B'* 0'-200' above base Lexington Limestone							*B-B'* 200' above base Lexington Limestone to top collected section							*C-C'* 200' above base to top collected section	
NAME OF SECTION (pl. 3*A*) / SPECIES	Valley View C	Salvisa B	Salvisa A	Frankfort West A	Frankfort East A, B	Switzer A	Gratz A	Valley View C	Salvisa B	Salvisa A	Frankfort West A	Frankfort East A, B	Switzer A	Gratz A	Valley View A	Coletown A	Ford A	Lexington East 1	Georgetown A	Sadieville A, C	Falmouth A	Valley View A	Coletown A	Ford A	Lexington East 1	Georgetown A	Sadieville A, C	Falmouth A	Winchester A	Moorefield A
Batostoma cf. *B. jamesi* (Nicholson)																								1						
Amplexopora persimilis Nickles											1													1				4	1	
Mesotrypa sp.																														1
Atactoporella newportensis Ulrich																								5	1		9		6	10
Constellaria fischeri Ulrich																													2	1
Dekayia sp.																													1	
Peronopora vera (Ulrich)								2				1	1	3										5	1	2	17	7	24	2
Stigmatella clavis (Ulrich)																						2		10						
Parvohallopora onealli (James)								2			4													13		1	41	24	7	
Eridotrypa sadievillensis, n. sp.														2													31	3		
Papillalunaria spatiosa (Ulrich)																						1								
Acanthoceramoporella valliensis, n. sp.								1																						1
Parvohallopora nodulosa (Nicholson)								38	7	6	26	2	4	5								8		33	19		67	12		7
Ceramoporella distincta Ulrich			2																											
Heterotrypa foliacea (Ulrich & Bassler)			4					28		8	33	8	4	3								6		12	11	10	34	8	25	24
Peronopora milleri Nickles			2					10	3	5	8	2		5								3		2	2					
Constellaria teres Hayes & Ulrich	1					2	4	1		1	57	11	9									3		15	24	3	18		54	31
Amplexopora aff. *A. winchelli* Ulrich	3			24																						2			1	
Ceramophylla alternatum (James)					3																	2					11			
Crepipora venusta (Ulrich)				1			1			2	4														4					
Stigmatella multispinosa Brown					2		4				2																			
Dekayia epetrima n. sp.						2									2										2					
Eridotrypa mutabilis Ulrich	18	3	3	9	1			29	2	9	9	17	2					2	4					21	6	3	42	18	8	7
Homotrypa cressmani n. sp.		1						2			18	1										4		5	2		1		8	12
Balticopora tenuimurale (Ulrich)	12			7		1		1			3	5																		
Cyphotrypa acervulosa (Ulrich)				5							1					1														
Eridotrypa trentonensis	29	10			16		3				13		1	1		9						4		4			3		13	
Prasopora falesi (James)	12	14	3	3	24	1	3	1		1	3				2	4											1			
Homotrypa similis Foord				5	3		1																							
Stigmatella sp.	1																													
Balticopora arcuatilis n. sp.							1								1															
Cyphotrypa switzeriensis n. sp.						4	2																							
Homotrypella granulifera (Ulrich)		4			5																									
Heterotrypa trentonensis (Ulrich)		7	3	7	11		6									5														
Mesotrypa angularis Ulrich & Bassler	1															1														
Tarphophragma multitabulata (Ulrich)	16	10		8	14	4	5								3	12														

C, RELATIVE ABUNDANCE OF EACH SPECIES (NUMBER OF THIN-SECTIONED SPECIMENS) IN MEASURED SECTIONS AT THE GEOGRAPHIC LOCALITIES ALONG THE LINES OF SECTION *A–A'*, *B–B'*, AND *C–C'* (FIGS. 1, 2; PLATE 1) IN THE FAUNA FROM THE STUDY AREA. RELATIVE ABUNDANCE OF EACH SPECIES IN THE SECTIONS AT THE GEOGRAPHICAL LOCALITIES ALONG THE LINES OF SECTION *A–A'*, AND *B–B'* ARE INDICATED SEPARATELY FOR THE STRATIGRAPHIC INTERVAL BETWEEN THE BASE OF THE LEXINGTON LIMESTONE AND 200-FOOT LEVEL ABOVE THE BASE OF THE FORMATION AND FOR THE STRATIGRAPHIC INTERVAL FROM 200-FOOT LEVEL TO THE TOP OF THE SECTIONS ABOVE THE BASE OF THE LEXINGTON LIMESTONE. RELATIVE ABUNDANCE OF EACH SPECIES ALONG THE LINE OF SECTION *C–C'* ARE INDICATED FOR THE STRATIGRAPHIC INTERVAL BETWEEN 200-FOOT LEVEL AND THE TOPS OF THE SECTIONS ABOVE THE BASE OF THE LEXINGTON LIMESTONE.

TABLES SHOWING MEASURED SECTIONS, DISTRIBUTION, AND RELATIVE ABUNDANCE OF BRYOZOAN SPECIES