

BRYOZOAN SURVEY IN SELECTED ILLINOIS WATERSHEDS

Final Report

for

The Illinois Nongame Wildlife Conservation Fund,  
Small Project Program

Submitted to:

Natural Heritage Division  
Department of Conservation  
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### Final Report

This is the final report of a one-year project, Bryozoan Survey in Selected Illinois Watersheds, supported by the Nongame Wildlife Conservation Fund, 1990-1991.

The project objectives, as stated in the initial proposal, included the following:

1. Preparation. Examine public and private collections of Illinois bryozoans; identify suitable collection sites within the Fox-DesPlaines, Sangamon, Vermilion-Embarras, and Big Buddy watersheds, including at least one site in each of the 44 counties.
2. Field work. Conduct a thorough survey of each site, taking a representative sample of every bryozoan and sponge species encountered, and recording detailed habitat information. Retain interesting living material for laboratory culture and separate study. Send sponges to Dr. Joe Beatty, SIE-Carbondale.
3. Lab work. Use collected bryozoan specimens to obtain and analyze descriptive groups; analyze final taxonomic and ecological data.
4. Conclusion. This is the first part of a state-wide survey. At its conclusion, we intend to publish our findings and deposit specimens with the Illinois Natural History Survey.

In addition, we were interested in obtaining more complete information about three particular species: *Lophopus crystalinus*, *Plumatella fungosa*, and *Plumatella reticulata*.

Historical Collections. Bryozoan records and specimens were examined from the following collections:

Illinois Natural History Survey, including collections of Mark Wetzel and Ed Lisowski;  
Joe Beatty, Southern Illinois University, Carbondale;  
Donal Gene Myer, Southern Illinois University, Edwardsville.

The old collections of the Illinois Natural History Survey included the following ten species:

*Paludicella articulata*, 22 specimens, taken mostly from the Illinois River during 1922-25;  
*Pectinatella magnifica*, 26 specimens collected between 1984

and 1940;  
*Cristatella mucedo*, one specimen taken at Havana in 1894;  
*Hyalinella punctata*, one specimen, 1927;  
*Plumatella casmiana*, one specimen;  
*Plumatella emarginata*, 22 specimens, mostly from the  
Illinois River in the early 1920's.  
*Plumatella fungosa*, 3 specimens from the Rock River, 1925;  
*Plumatella repens*, two specimens;  
*Plumatella reticulata*, five specimens;  
*Urnatella gracilis*, five specimens.

Mark Wetzel's collections had the following:

*Fredericella australiensis* (Whiteside County)  
*Fredericella indica* (Fulton, Peoria Counties)  
*Plumatella casmiana* (Peoria County)  
*Plumatella emarginata* (Ogle County)  
*Plumatella fungosa* (Perry County)  
*Plumatella repens* (Fulton, Lawrence, Perry Counties)  
*Plumatella reticulata* (Coles, Perry, Whiteside Counties)

From Donal Myer's collection:

*Fredericella indica* (Madison County)  
*Pectinatella magnifica* (  
*Plumatella emarginata* (Madison County)  
*Plumatella emarginata* (Greene County)  
*Plumatella repens* (Greene County)  
*Urnatella gracilis* (

From Joe Beatty's collection:

*Fredericella australiensis* (Whiteside County)  
*Fredericella indica* (Jackson, Madison, Peoria, Williamson  
Counties)  
*Paludicella articulata* (Williamson County)  
*Plumatella casmiana* (Peoria County)  
*Plumatella emarginata* (Jackson, Madison, Ogle, Williamson  
Counties)  
*Plumatella fungosa* (Jackson, Perry Counties)  
*Plumatella repens* (Fulton, Jackson, Lawrence, Perry,  
Williamson Counties)  
*Plumatella reticulata* (Coles, Greene, Jackson, Whiteside,  
Williamson Counties)  
*Pectinatella magnifica* (Alexander, Franklin, Jackson, Pope,  
Williamson Counties)  
*Urnatella gracilis* (Greene, Williamson Counties)

#### Field Work.

Field studies were conducted in collaboration with Dr. Terrence Marsh, Professor of Biology at North Central College in Naperville, Illinois. Assisting in the field surveys were R. Billings, D. Horner, A. Marsh, R. Newman, D. Schmutz, F. Weber, and L. Wood. So far, we have visited 124 sites in 53 Illinois counties, somewhat exceeding the number originally planned. Those

counties added to the itinerary include Carroll, Clinton, Fayette, Hancock, Jo Daviess, Macon, McLean, Monroe, Sangamon, St. Clair, Stephenson, Will, Whiteside, and Woodford.

The field teams encountered all but two species known from historical accounts and previous collections. Missing so far from our inventory are *Cristatella mucedo* and *Lophopus crystallinus*, both last reported from the Illinois River at Havana in 1894. One new record we established for the state is *Pottsiella erecta*, a relatively uncommon species in the midwest.

The most frequently encountered species in Illinois were *Plumatella repens*, *P. reticulata*, and *Fredericella indica*. Among the more rare species were *Fredericella australiensis*, *Hyalinella punctata*, and *Pottsiella erecta*. A complete list of species and collection sites appears as an appendix to this report.

From the field data, patterns of distribution and environmental relations are beginning to emerge. These should become more clear as more areas of the state are surveyed.

#### Laboratory analysis.

Lab analysis of Illinois collections involve standard measurements, light and SEM photography, and in some cases, lab rearing of living material and karyotyping. Already it is apparent that species identified as *Plumatella repens* actually comprises two or more distinct species. The species which we are calling *Plumatella fungosa* is not the same as *Plumatella fungosa* Pallas in Europe, but the relationship between the two yet to be clarified. This work is expected to continue for several more years.

ILLINOIS BRYOZOAN COLLECTION (Revised July 12, 1991)

No.	Species	Site	County	State	Date
568	<i>Fredericella indica</i>	Mississippi River	Alexander	Illinois	August 14, 1990
500	<i>Fectinatella magnifica</i>	Horseshoe Lake	Alexander	Illinois	August 14, 1990
499	<i>Plumatella repens</i>	Horseshoe Lake	Alexander	Illinois	August 14, 1990
553	<i>Plumatella reticulata</i>	Mississippi River	Alexander	Illinois	August 14, 1990
517	<i>Plumatella reticulata</i>	Horseshoe Lake	Alexander	Illinois	August 14, 1990
633	<i>Hyalinella punctata</i>	Mississippi R at Lock/Dam 13	Carroll	Illinois	June 20, 1991
638	<i>Plumatella emarginata</i>	Plum River	Carroll	Illinois	June 20, 1991
634	<i>Plumatella repens</i>	Mississippi R at Lock/Dam 13	Carroll	Illinois	June 20, 1991
637	<i>Plumatella repens</i>	Plum River	Carroll	Illinois	June 20, 1991
568	<i>Paludicella articulata</i>	Sangamon R at SR 78	Cass	Illinois	August 28, 1990
491	<i>Plumatella ?</i>	Mound Lake	Cass	Illinois	August 28, 1990
567	<i>Plumatella reticulata</i>	Sangamon R at SR 78	Cass	Illinois	August 28, 1990
569	<i>Urnatella gracilis</i>	Sangamon R at SR 78	Cass	Illinois	August 28, 1990
490	<i>Urnatella gracilis</i>	Mound Lake	Cass	Illinois	August 28, 1990
394	<i>Plumatella casmiana</i>	Homer Lake	Champaign	Illinois	June 15, 1990
395	<i>Plumatella repens</i>	Homer Lake	Champaign	Illinois	June 15, 1990
544	<i>Plumatella casmiana</i>	Lake Sangchris	Christian	Illinois	August 1, 1990
519	<i>Plumatella casmiana</i>	Kincaid Village Park Lake	Christian	Illinois	August 1, 1990
535	<i>Plumatella emarginata</i>	Lake Sangchris	Christian	Illinois	August 1, 1990
520	<i>Plumatella repens</i>	Kincaid Village Park Lake	Christian	Illinois	August 1, 1990
545	<i>Plumatella reticulata</i>	Lake Sangchris	Christian	Illinois	August 1, 1990
406	<i>Fredericella indica</i>	Mill Creek Lake	Clark	Illinois	June 16, 1990
403	<i>Plumatella casmiana</i>	Mill Creek Lake	Clark	Illinois	June 16, 1990
404	<i>Urnatella gracilis</i>	Mill Creek Lake	Clark	Illinois	June 16, 1990
618	<i>Fredericella indica</i>	Kaskaskia R. at Cox Bridge	Clinton	Illinois	June 13, 1991
614	<i>Fredericella indica</i>	Lake Carlyle above dam	Clinton	Illinois	June 12, 1991
617	<i>Plumatella emarginata</i>	Kaskaskia R. at Cox Bridge	Clinton	Illinois	June 13, 1991
612	<i>Plumatella emarginata</i>	Kaskaskia R. by Lake Carlyle dam	Clinton	Illinois	June 12, 1991
616	<i>Plumatella fungosa</i>	Lake Carlyle at Boulder cmpgrnd	Clinton	Illinois	June 13, 1991
613	<i>Plumatella reticulata</i>	Lake Carlyle above dam	Clinton	Illinois	June 12, 1991
615	<i>Plumatella reticulata</i>	Lake Carlyle at Boulder cmpgrnd	Clinton	Illinois	June 13, 1991
409	<i>Fredericella indica</i>	Fox Ridge Lake	Coles	Illinois	June 17, 1990
408	<i>Plumatella casmiana</i>	Charleston Lake	Coles	Illinois	June 17, 1990
389	<i>Plumatella repens</i>	Hog Branch in NE Oakland	Coles	Illinois	May 22, 1987
407	<i>Plumatella repens</i>	Charleston Lake	Coles	Illinois	June 17, 1990
410	<i>Plumatella repens</i>	Fox Ridge Lake	Coles	Illinois	June 17, 1990
?	?	Sag Bridge Quarries	Cook	Illinois	June 29, 1990
?	?	Jackson Park north marina	Cook	Illinois	June 29, 1990
425	<i>Fredericella indica</i>	Jackson Park north marina	Cook	Illinois	June 29, 1990
482	<i>Fredericella indica</i>	Lake Michigan	Cook	Illinois	August 23, 1990
588	<i>Paludicella articulata</i>	Lake Michigan	Cook	Illinois	August 23, 1990
561	<i>Plumatella ?</i>	North Pond, Lincoln Park	Cook	Illinois	July 12, 1990
427	<i>Plumatella ---?</i>	Maple Lake	Cook	Illinois	June 29, 1990
557	<i>Plumatella emarginata</i>	Diversey Harbor, South Lagoon	Cook	Illinois	July 12, 1990
426	<i>Plumatella fungosa</i>	Jackson Park north marina	Cook	Illinois	June 29, 1990
428	<i>Plumatella repens</i>	Maple Lake	Cook	Illinois	June 29, 1990
481	<i>Pottsiella erecta</i>	Lake Michigan	Cook	Illinois	August 23, 1990
		Shabbona Lake	DeKalb	Illinois	June 30, 1990

	431	<i>Fredericella australiensis</i>	Shabbona Lake, below spillway	DeKalb	Illinois June 30,
	433	<i>Fredericella indica</i>	Shabbona Lake, above spillway	DeKalb	Illinois June 30, 1990
	435,	<i>Paludicella articulata</i>	Shabbona Lake	DeKalb	Illinois June 30, 1990
	436	<i>Pectinatella magnifica</i>	Shabbona Lake	DeKalb	Illinois June 30, 1990
	551	<i>Plumatella emarginata</i>	South Branch Kishwaukee R	DeKalb	Illinois July 25, 1990
	432	<i>Plumatella emarginata</i>	Shabbona Lake, below spillway	DeKalb	Illinois June 30, 1990
	434	<i>Plumatella repens</i>	Shabbona Lake, above spillway	DeKalb	Illinois June 30, 1990
	437	<i>Plumatella repens</i>	Shabbona Lake	DeKalb	Illinois June 30, 1990
	508	<i>Fredericella indica</i>	Weldon Spgs Lake	DeWitt	Illinois July 30, 1990
	552	<i>Plumatella ?</i>	Weldon Springs Lake below dam	DeWitt	Illinois July 30, 1990
	543	<i>Plumatella emarginata</i>	Clinton Lake above spillway	DeWitt	Illinois July 30, 1990
	542	<i>Plumatella reticulata</i>	Clinton Lake above spillway	DeWitt	Illinois July 30, 1990
	411	<i>Plumatella fungosa</i>	Walnut Point Lake	Douglas	Illinois June 18, 1990
	430	<i>Plumatella casmiana</i>	Herrick Lake	DuPage	Illinois June 29, 1990
	555	<i>Plumatella repens</i>	Egerman Woods (temporary) Pond	DuPage	Illinois July 12, 1990
	429	<i>Plumatella---</i> ?	Herrick Lake	DuPage	Illinois June 29, 1990
	621	<i>Plumatella emarginata</i>	Vandalia Lake	Fayette	Illinois June 13, 1991
	619	<i>Plumatella fungosa</i>	Ramsey Lake	Fayette	Illinois June 13, 1991
	620	<i>Plumatella reticulata</i>	Vandalia Lake	Fayette	Illinois June 13, 1991
0	446	<i>Fredericella indica</i>	Old West Frankfurt Reservoir	Franklin	Illinois September 27, 199
	541	<i>Paludicella articulata</i>	Rend Lake above dam	Franklin	Illinois July 18, 1990
0	447	<i>Pectinatella magnifica</i>	Old West Frankfurt Reservoir	Franklin	Illinois September 27, 199
	506	<i>Plumatella emarginata</i>	Rend Lake, below spillway	Franklin	Illinois July 18, 1990
0	467	<i>Plumatella emarginata</i>	Old West Frankfurt Reservoir	Franklin	Illinois September 27, 199
	541	<i>Plumatella reticulata</i>	Rend Lake below spillway	Franklin	Illinois July 18, 1990
0	445	<i>Plumatella reticulata</i>	Old West Frankfurt Reservoir	Franklin	Illinois September 27, 199
	540	<i>Plumatella reticulata</i>	Rend Lake below spillway	Franklin	Illinois July 18, 1990
	511	<i>Plumatella reticulata</i>	Rend Lake above dam	Franklin	Illinois July 18, 1990
	512	<i>Fredericella indica</i>	Horseshoe Pond	Gallatin	Illinois July 16, 1990
	507	<i>Pectinatella magnifica</i>	Pounds Lake	Gallatin	Illinois July 16, 1990
	524	<i>Plumatella repens</i>	Pound Lake	Gallatin	Illinois July 16, 1990
	525	<i>Plumatella repens</i>	Horseshoe Pond	Gallatin	Illinois July 16, 1990
	503	<i>Plumatella repens</i>	Yellowbank Slough	Gallatin	Illinois July 16, 1990
	502	<i>Plumatella reticulata</i>	Yellowbank Slough	Gallatin	Illinois July 16, 1990
	480	<i>Plumatella reticulata</i>	Mississippi River	Hancock	Illinois October 17, 1990
	550	<i>Plumatella emarginata</i>	Big Creek	Hardin	Illinois July 17, 1990
	646	<i>Fredericella indica</i>	Hennepin Canal	Henry	Illinois June 21, 1991
	644	<i>Pectinatella magnifica</i>	Hennepin Canal	Henry	Illinois June 21, 1991
	645	<i>Urnatella gracilis</i>	Hennepin Canal	Henry	Illinois June 21, 1991
	478	<i>Fredericella indica</i>	Fountain Bluff Fish Farm	Jackson	Illinois April 18, 1982
0	461	<i>Fredericella indica</i>	Kinkaid Lake, below spillway	Jackson	Illinois September 29, 199
0	462	<i>Pectinatella magnifica</i>	Kinkaid Lake, below spillway	Jackson	Illinois September 29, 199
90	466	<i>Plumatella casmiana</i>	Lake Murphysboro	Jackson	Illinois September 29, 19
	472	<i>Plumatella emarginata</i>	SIU Fisheries tanks	Jackson	Illinois July 18, 1976
0	460	<i>Plumatella emarginata</i>	Kinkaid Lake, below spillway	Jackson	Illinois September 29, 199
	476	<i>Plumatella fungosa</i>	Fountain Bluff Fish Farm Pond #10	Jackson	Illinois May 2, 1976
	474	<i>Plumatella repens</i>	Cedar Lake	Jackson	Illinois May 14, 1982
	473	<i>Plumatella repens</i>	Fountain Bluff Fish Farm	Jackson	Illinois May 12, 1975
	471	<i>Plumatella repens</i>	Strip mine	Jackson	Illinois May 26, 1971
	475	<i>Plumatella reticulata</i>	SIU Aquaculture Facility	Jackson	Illinois August 3, 1975
	402	<i>Fredericella indica</i>	Sam Parr Lake	Jasper	Illinois June 16, 1990
	401	<i>Plumatella repens</i>	Sam Parr Lake	Jasper	Illinois June 16, 1990

1990	449	Hyalinella punctata	Rend Lake	Jefferson	Illinois	September
0	451	Pectinatella magnifica	Rend Lake	Jefferson	Illinois	September 27, 1991
0	450	Plumatella casmiana	Rend Lake	Jefferson	Illinois	September 27, 1991
0	448	Plumatella emarginata	Rend L. @ Casey Fork Sub. Dam	Jefferson	Illinois	September 27, 1991
	635	Paludicella articulata	Apple River	Jo Daviess	Illinois	June 20, 1991
	636	Plumatella emarginata	Apple River	Jo Daviess	Illinois	June 20, 1991
	630	Plumatella emarginata	Mississippi R. at Blanding Landing	Jo Daviess	Illinois	June 20, 1991
	629	Plumatella repens?	Mississippi R. at Blanding Landing	Jo Daviess	Illinois	June 20, 1991
	546	Fredericella australiensis	Lake of Egypt	Johnson	Illinois	August 16, 1990
	547	Hyalinella punctata	Lake of Egypt	Johnson	Illinois	August 16, 1990
	537	Paludicella articulata	Cache R at Dutchman Creek	Johnson	Illinois	August 15, 1990
	527	Pectinatella magnifica	Lake of Egypt	Johnson	Illinois	August 16, 1990
	526	Plumatella casmiana	Dutchman Lake	Johnson	Illinois	August 15, 1990
	548	Plumatella casmiana	Lake of Egypt	Johnson	Illinois	August 16, 1990
	536	Plumatella reticulata	Cache R at Dutchman Creek	Johnson	Illinois	August 15, 1990
0	459	Plumatella spp.	Dutchman Lake below spillway	Johnson	Illinois	September 28, 1991
	562	Fredericella indica	Fox River	Kane	Illinois	July 10, 1990
	560	Paludicella articulata	Fox River	Kane	Illinois	July 10, 1990
	556	Plumatella fungosa	Fox River	Kane	Illinois	July 10, 1990
	438	Paludicella articulata	Fox River below Palmer Dam	Kendall	Illinois	June 30, 1990
	437	Plumatella emarginata	Fox River below Palmer Dam	Kendall	Illinois	June 30, 1990
	440	Plumatella fungosa	Fox River below Palmer Dam	Kendall	Illinois	June 30, 1990
	441	Plumatella repens	Silver Spring SP, NE pond	Kendall	Illinois	June 30, 1990
	415	Fredericella indica	Deep Lake	Lake	Illinois	June 28, 1990
	418	Fredericella indica	Grass Lake access	Lake	Illinois	June 28, 1990
	419	Hyalinella punctata	Grass Lake access	Lake	Illinois	June 28, 1990
	393	Paludicella articulata	Dead River	Lake	Illinois	March 21, 1990
	420	Plumatella casmiana	Grass Lake access	Lake	Illinois	June 28, 1990
	421	Plumatella fungosa	Grass Lake access	Lake	Illinois	June 28, 1990
	417	Plumatella repens	Deep Lake	Lake	Illinois	June 28, 1990
	416	Plumatella....?	Deep Lake	Lake	Illinois	June 28, 1990
	400	Fredericella indica	Red Hills Lake	Lawrence	Illinois	June 16, 1990
	398	Pectinatella magnifica	Red Hills Lake	Lawrence	Illinois	June 16, 1990
	399	Plumatella repens	Red Hills Lake	Lawrence	Illinois	June 16, 1990
	501	Hyalinella punctata	Lake Decatur	Macon	Illinois	July 3, 1990
	565	Pectinatella magnifica	Lake Decatur	Macon	Illinois	July 3, 1990
	564	Plumatella casmiana	Sangamon R below Lake Decatur	Macon	Illinois	July 7, 1990
	559	Plumatella repens	Lake Decatur	Macon	Illinois	July 31, 1990
	493	Fredericella indica	Slough W of Wolf Lake	Mason	Illinois	August 28, 1990
	489	Pectinatella magnifica	Matanzas Lake	Mason	Illinois	August 28, 1990
	492	Pectinatella magnifica	Slough W of Wolf Lake	Mason	Illinois	August 28, 1990
	412	Plumatella casmiana	Quiver Lake	Mason	Illinois	June 27, 1990
	494	Plumatella casmiana ?	Slough 6, Wolf Lake	Mason	Illinois	August 28, 1990
	413	Plumatella emarginata	Quiver Lake	Mason	Illinois	June 27, 1990
	414	Plumatella repens	Quiver Lake	Mason	Illinois	June 27, 1990
	513	Pectinatella magnifica	Mermet Lake	Massac	Illinois	August 15, 1990
	589	Plumatella ?	Mermet Lake	Massac	Illinois	August 15, 1990
	405	?	Spring Grove Fish Pond	McHenry	Illinois	June 28, 1990
	422	Paludicella articulata	Nippersink Creek	McHenry	Illinois	June 28, 1990
	423	Plumatella emarginata	Nippersink Creek	McHenry	Illinois	June 28, 1990
	424	Plumatella repens	Spring Grove Fish Pond	McHenry	Illinois	June 28, 1990
	483	Fredericella indica	Lake Bloomington	McLean	Illinois	August 27, 1990

1990	487	Fredericella indica	Evergreen Lake	McLean	Illinois August 2
	572	Fredericella indica	Mackinaw R at Patton Creek	McLean	Illinois August 27, 1990
	529	Plumatella casmiana	Dawson Lake	McLean	Illinois July 30, 1990
	488	Plumatella casmiana	Evergreen Lake	McLean	Illinois August 27, 1990
	484	Plumatella casmiana	Lake Bloomington	McLean	Illinois August 27, 1990
	518	Plumatella repens	Dawson Lake below spillway	McLean	Illinois July 30, 1990
	528	Plumatella repens	Dawson Lake above dam	McLean	Illinois July 30, 1990
	485	Plumatella repens	Lake Bloomington	McLean	Illinois August 27, 1990
	486	Plumatella repens	Evergreen Lake	McLean	Illinois August 27, 1990
	573	Plumatella ?	Sangamon R	Menard	Illinois
	571	Plumatella emarginata	Sangamon R under Athens Rd bridge	Menard	Illinois August 2, 1990
	604	Pectinatella magnifica	Moredock Lake	Monroe	Illinois June 11, 1991
	605	Plumatella casmiana	Moredock Lake	Monroe	Illinois June 11, 1991
90	463	Hyalinella punctata	DuQuoin Lake	Perry	Illinois September 29, 19
90	464	Plumatella reticulata	DuQuoin Lake	Perry	Illinois September 29, 19
90	465	Plumatella spp.	DuQuoin Lake	Perry	Illinois September 29, 19
	510	Plumatella casmiana	Sangamon R @ Allenton Park	Piatt	Illinois July 31, 1990
	515	Plumatella casmiana	4-H Lake	Piatt	Illinois July 3, 1990
	510	Plumatella reticulata	Sangamon R @ Allenton Park	Piatt	Illinois July 31, 1990
	516	Plumatella reticulata	4-H Lake	Piatt	Illinois July 3, 1990
	533	Plumatella ?	Lusk Creek	Pope	Illinois July 17, 1990
	509	Plumatella reticulata	Avery Lake	Pope/Massac	Illinois July 18, 1990
	554	Plumatella reticulata	Ohio River	Pulaski	Illinois August 14, 1990
	609	Fredericella indica	Kaskaskia R. in Lock/Dam #1	Randolph	Illinois June 11, 1991
	599	Hyalinella punctata	Slough of Mississippi R.	Randolph	Illinois June 10, 1991
	601	Plumatella repens	Slough of Mississippi R.	Randolph	Illinois June 10, 1991
	607	Plumatella repens	Kaskaskia R. in Lock/Dam #1	Randolph	Illinois June 11, 1991
	598	Plumatella repens?	Slough of Mississippi R.	Randolph	Illinois June 10, 1991
	600	Plumatella repens?	Slough of Mississippi R.	Randolph	Illinois June 10, 1991
	606	Plumatella reticulata	Kaskaskia R. in Lock/Dam #1	Randolph	Illinois June 11, 1991
	608	Potsiella erecta	Kaskaskia R. in Lock/Dam #1	Randolph	Illinois June 11, 1991
	397	Plumatella repens	East Fork Lake	Richland	Illinois June 16, 1990
	521	Plumatella casmiana	Sam O. Jones Lake	Saline	Illinois July 18, 1990
	470	Plumatella repens	Rte 13 @ Bankston Park, Bridge 319	Saline	Illinois April 16, 1976
	522	Plumatella reticulata	Sam O. Jones Lake	Saline	Illinois July 18, 1990
	534	Plumatella reticulata	Sam O. Jones Lake	Saline	Illinois July 18, 1990
	532	Paludicella articulata	Lake Springfield	Sangamon	Illinois August 1, 1990
	531	Plumatella repens	Lake Springfield below dam	Sangamon	Illinois August 1, 1990
	530	Plumatella reticulata	Lake Springfield below dam	Sangamon	Illinois August 1, 1990
	531	Plumatella reticulata	Lake Springfield below dam	Sangamon	Illinois August 1, 1990
	563	Plumatella reticulata	Lake Springfield	Sangamon	Illinois August 1, 1990
	603	Hyalinella punctata	Lake in Holten State Park	St. Clair	Illinois June 11, 1991
	602	Plumatella reticulata	Lake in Holten State Park	St. Clair	Illinois June 11, 1991
	623	Fredericella indica	Lake Le-Aqua-Na (St. Park)	Stephenson	Illinois June 19, 1991
	624	Plumatella repens	Lake Le-Aqua-Na (St. Park)	Stephenson	Illinois June 19, 1991
	626	Plumatella repens	Slough at Richland Creek	Stephenson	Illinois June 19, 1991
	622	Plumatella reticulata	Oxbow by Pecatonica R.	Stephenson	Illinois June 19, 1991
	625	Plumatella reticulata	Waddams Creek below Lake Le-Aqua-Na	Stephenson	Illinois June 19, 1991
	523	Fredericella indica	Spring Lake (State Park)	Tazewell	Illinois August 2, 1990
	587	Paludicella articulata	Mackinaw R	Tazewell	Illinois August 29, 1990
	585	Plumatella emarginata	Mackinaw R	Tazewell	Illinois August 29, 1990
	586	Plumatella reticulata	Mackinaw R	Tazewell	Illinois August 29, 1990

1990	495	Plumatella reticulata	Maraldo Lake	Tazewell	Illinois August 2
	566	Paludicella articulata	Dutch Creek at SR 146	Union	Illinois August 13, 1990
	539	Plumatella casmiana	Dutch Creek at SR 146	Union	Illinois August 13, 1990
	549	Plumatella emarginata	Dutch Creek at SR 146	Union	Illinois August 13, 1990
	504	Plumatella repens	Bluff Lake	Union	Illinois August 13, 1990
	505	Urnatella gracilis	Dutch Creek @ SR146	Union	Illinois August 13, 1990
	594	Fredericella australiensis	Vermilion River at Ellsworth Park	Vermilion	Illinois May 12, 1991
	396	Fredericella indica	Clear Fond	Vermilion	Illinois June 15, 1990
	595	Paludicella articulata	Vermilion River at Ellsworth Park	Vermilion	Illinois May 12, 1991
	596	Plumatella emarginata	Vermilion River at Ellsworth Park	Vermilion	Illinois May 12, 1991
	387	Plumatella fungosa	Bluegrass Creek	Vermilion	Illinois June 3, 1988
	597	Urnatella gracilis	Vermilion River at Ellsworth Park	Vermilion	Illinois May 12, 1991
	610	Plumatella reticulata	Washington Co. Lake	Washington	Illinois June 12, 1991
	611	Urnatella gracilis	Washington Co. Lake	Washington	Illinois June 12, 1991
	590	Fredericella australiensis	Rock Creek above STP	Whiteside	Illinois Sept 4, 1976
	631	Fredericella indica	Lake Carlton below spillway	Whiteside	Illinois June 20, 1991
	643	Hyalinella punctata	Hennepin Feeder Canal	Whiteside	Illinois June 21, 1991
	640	Plumatella emarginata	Hennepin Feeder Canal at Rock River	Whiteside	Illinois June 21, 1991
	642	Plumatella emarginata	Hennepin Feeder Canal	Whiteside	Illinois June 21, 1991
	632	Plumatella repens	Lake Carlton below spillway	Whiteside	Illinois June 20, 1991
	639	Plumatella reticulata	Rock River	Whiteside	Illinois June 21, 1991
	641	Plumatella reticulata	Hennepin Feeder Canal at Rock River	Whiteside	Illinois June 21, 1991
	442	Fredericella australiensis	West Branch DuPage River	Will	Illinois June 30, 1990
	576	Fredericella indica	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
	496	Fredericella indica	Lake Renwick	Will	Illinois August 9, 1990
	570	Pectinatella magnifica	Kankakee R cut-off	Will	Illinois August 19, 1990
	443	Plumatella casmiana	West Branch DuPage River	Will	Illinois June 30, 1990
	575	Plumatella casmiana	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
	582	Plumatella emarginata	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
	584	Plumatella fungosa	Lockport Prairie Pond	Will	Illinois August 19, 1990
	497	Plumatella fungosa	Lake Renwick	Will	Illinois August 9, 1990
	514	Plumatella repens	Lake Renwick	Will	Illinois August 9, 1990
	581	Plumatella repens	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
	583	Plumatella repens	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
	498	Plumatella reticulata	Lake Renwick	Will	Illinois August 9, 1990
	577	Urnatella gracilis	Kankakee R /Kankakee cutoff	Will	Illinois July 6, 1990
0	456	Fredericella indica	Little Grassy Lake	Williamson	Illinois September 28, 199
	468	Fredericella indica	Crab Orchard Lake	Williamson	Illinois May 2, 1982
	479	Fredericella indica	Crab Orchard Lake near Hwy 13	Williamson	Illinois May 9, 1982
0	458	Pectinatella magnifica	Little Grassy Lake	Williamson	Illinois September 28, 199
0	454	Plumatella emarginata	Little Grassy Creek @ Fish Hatchery	Williamson	Illinois September 28, 199
0	457	Plumatella emarginata	Little Grassy Lake	Williamson	Illinois September 28, 199
0	452	Plumatella reticulata	Little Grassy Creek @ Fish Hatchery	Williamson	Illinois September 28, 199
	469	Plumatella reticulata	Crab Orchard Lake spillway	Williamson	Illinois October 12, 1978
	477	Plumatella reticulata	Crab Orchard Lake at Rte 13 bridge	Williamson	Illinois October 23, 1980
0	453	Plumatella spp.	Little Grassy Creek @ Fish Hatchery	Williamson	Illinois September 28, 199
0	455	Plumatella spp.	Little Grassy Fish Hatthery	Williamson	Illinois September 28, 199
	579	Fredericella indica	Evergreen Lake below spillway	Woodford	Illinois August 27, 1990
	580	Plumatella emarginata	Evergreen Lake below spillway	Woodford	Illinois August 27, 1990
	578	Urnatella gracilis	Evergreen Lake below spillway	Woodford	Illinois August 27, 1990