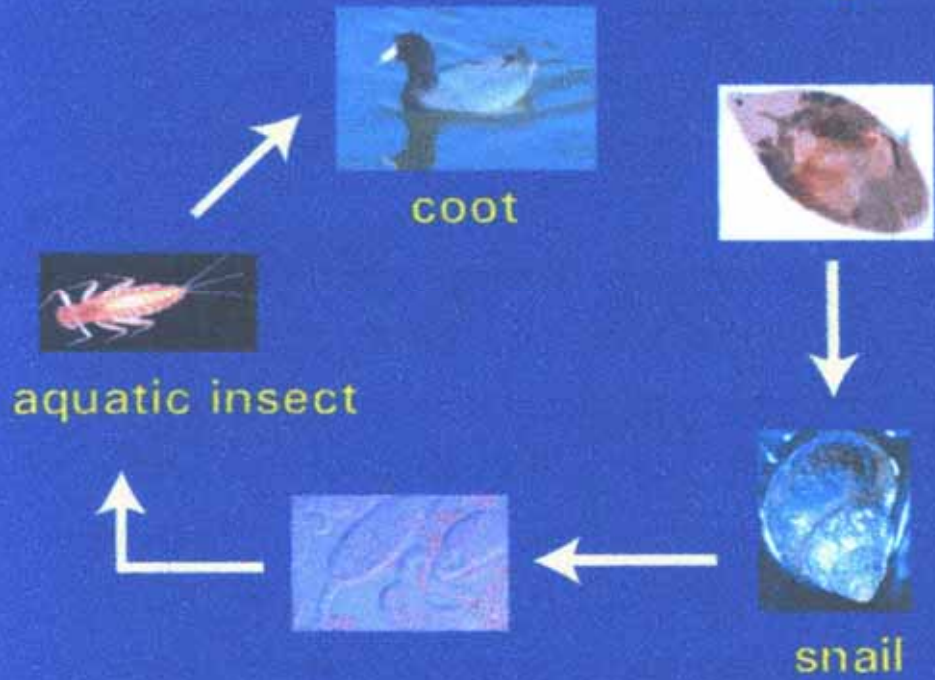


# **Shawano Lake Waterbird Die-off**

**1996-2011**

# Life Cycle









American coot

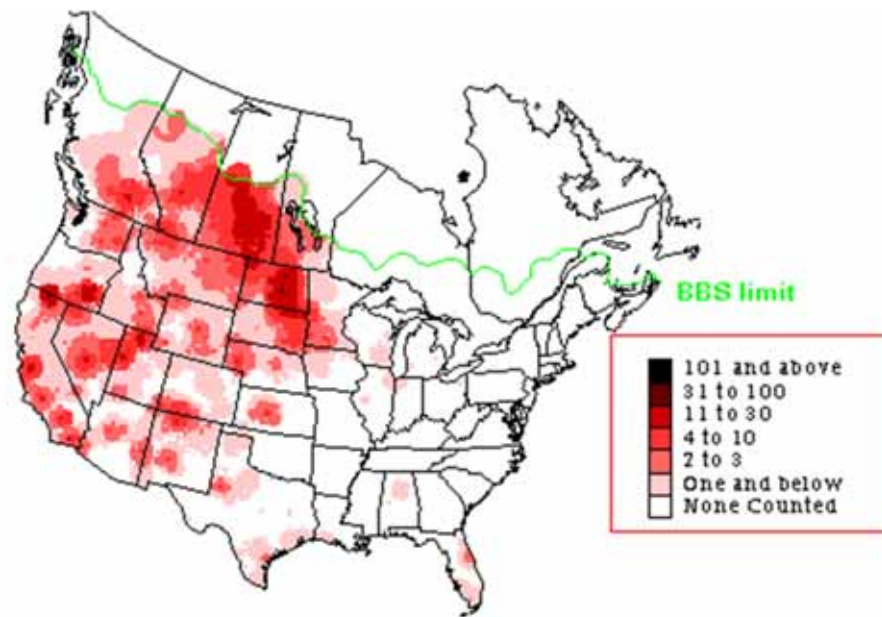
*Fulica americana*

American Coot  
*Fulica americana*



LEGEND	
	Year Round
	Summer (breeding)
	Winter (non-breeding)
	Migration

Map by Cornell Lab of Ornithology  
Range data by NatureServe

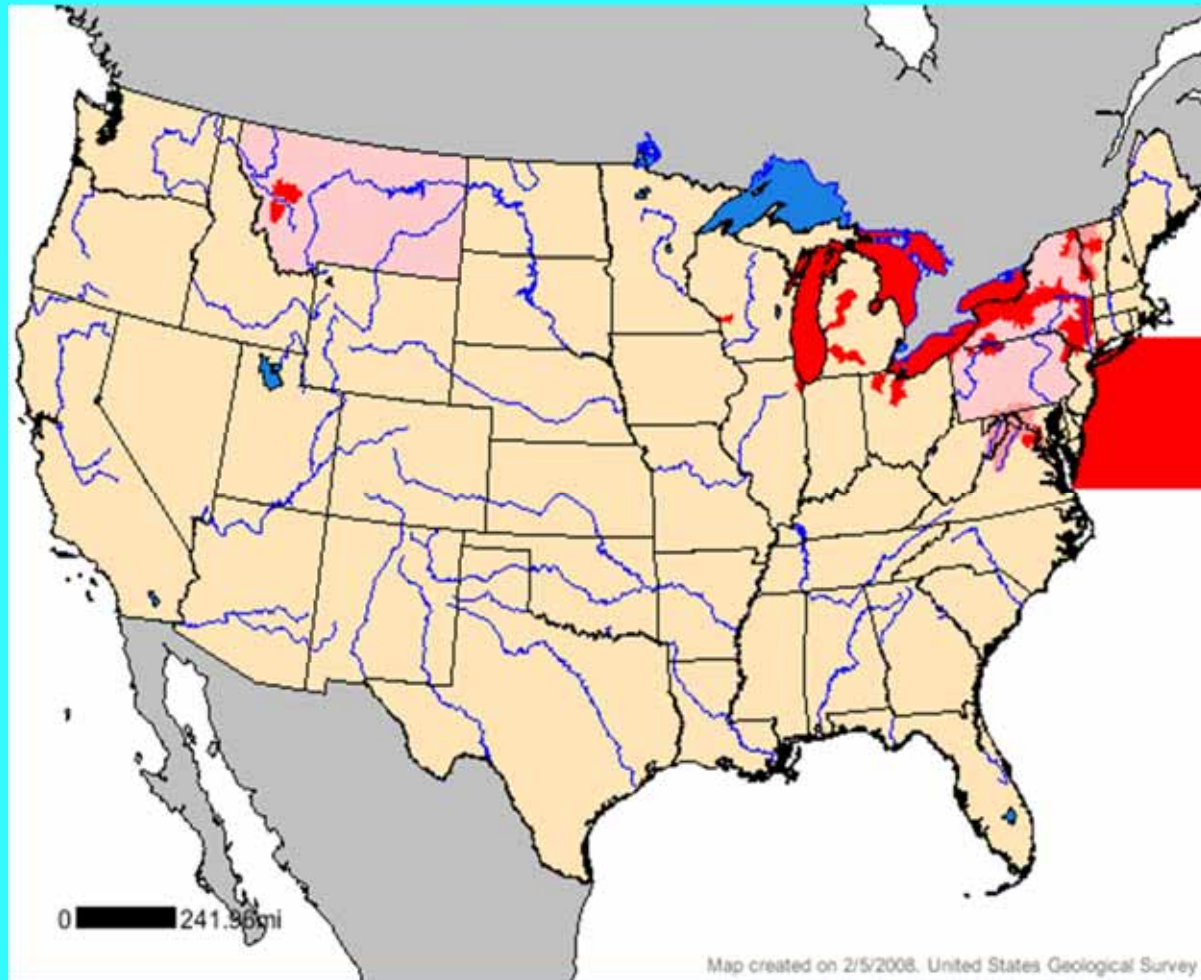


## Breeding Bird Survey

Host



*Bithynia tentaculata*



Distribution of Bithynia



**Leyogonimus polyoon**





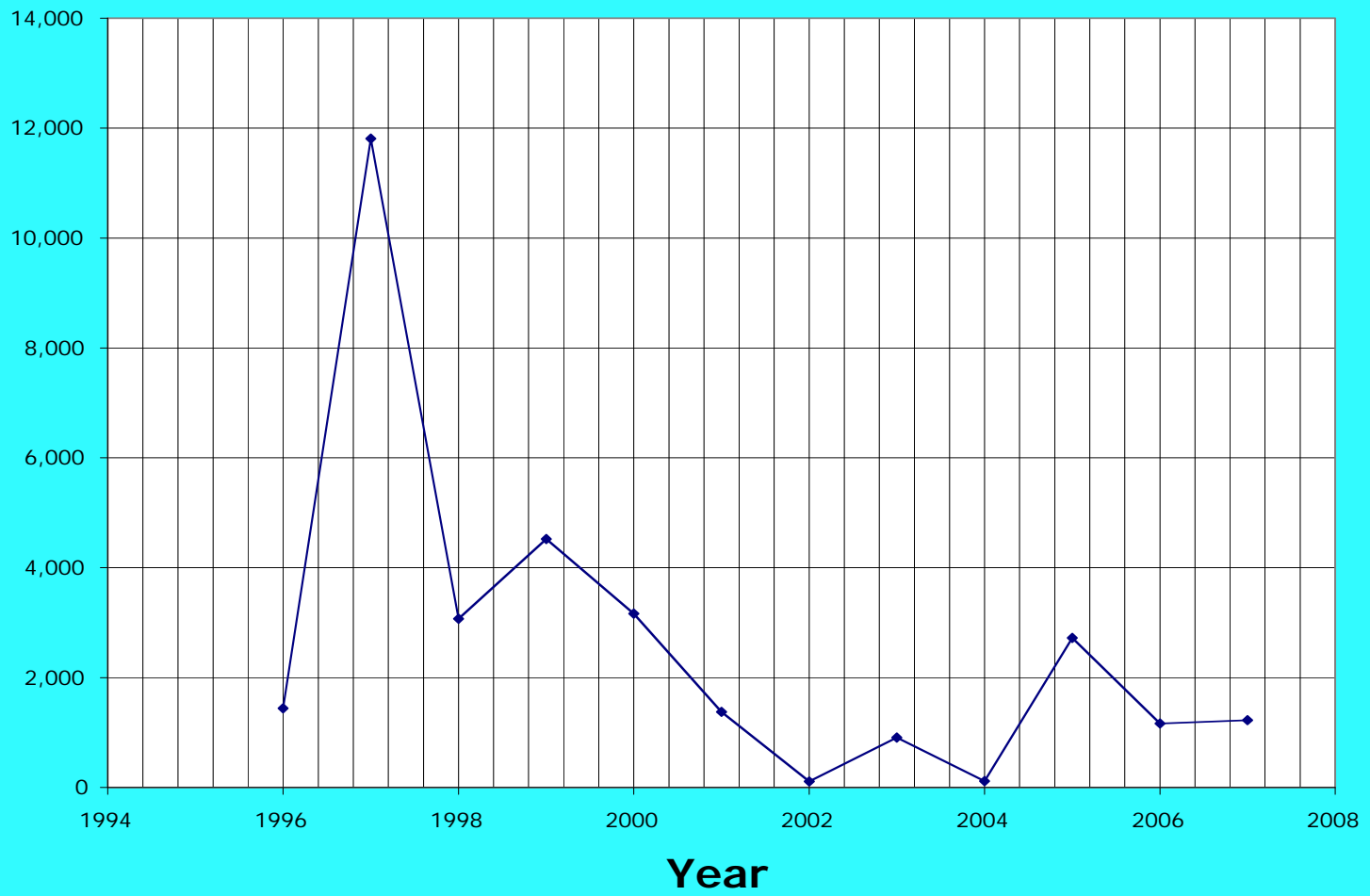




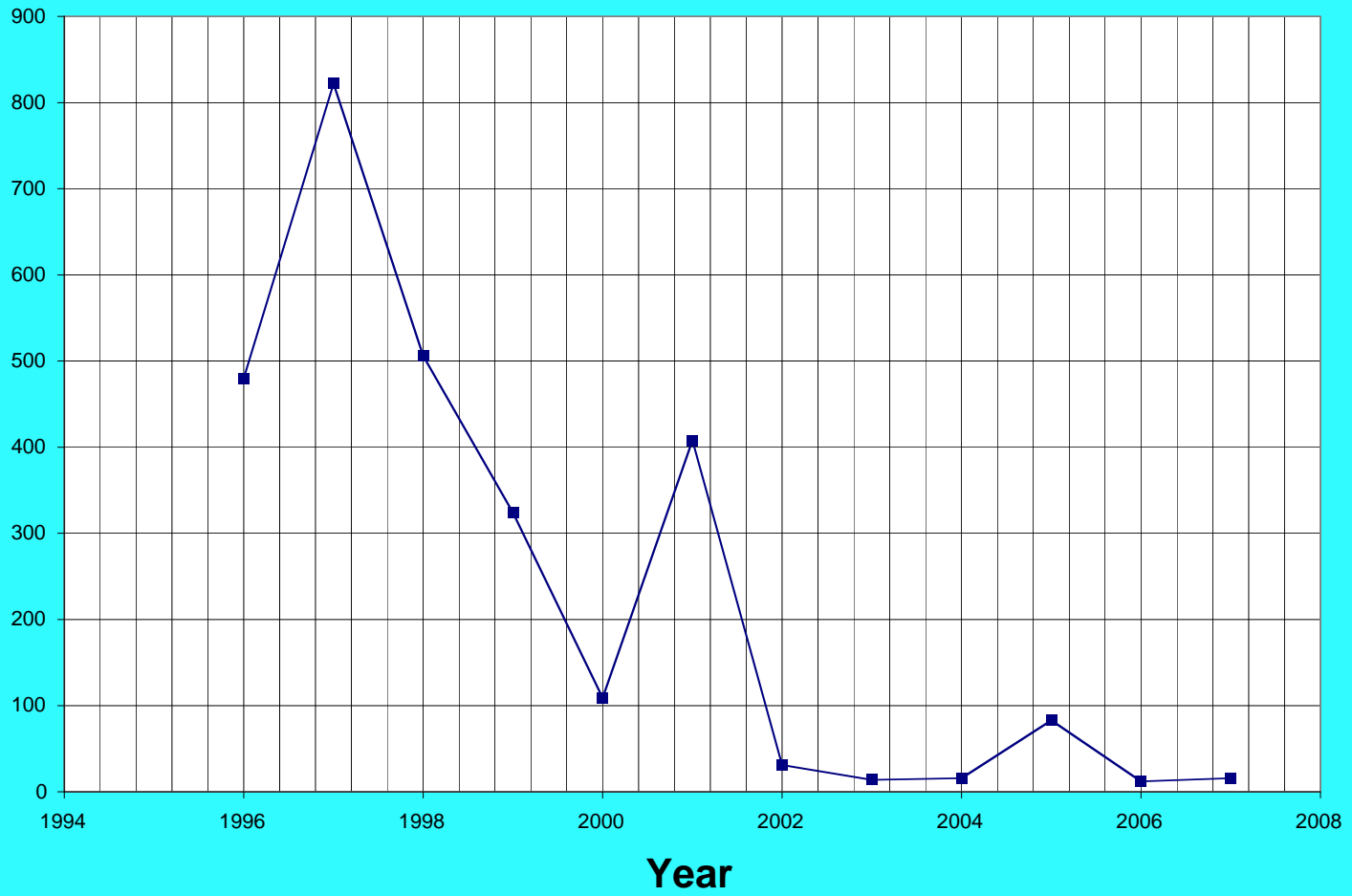




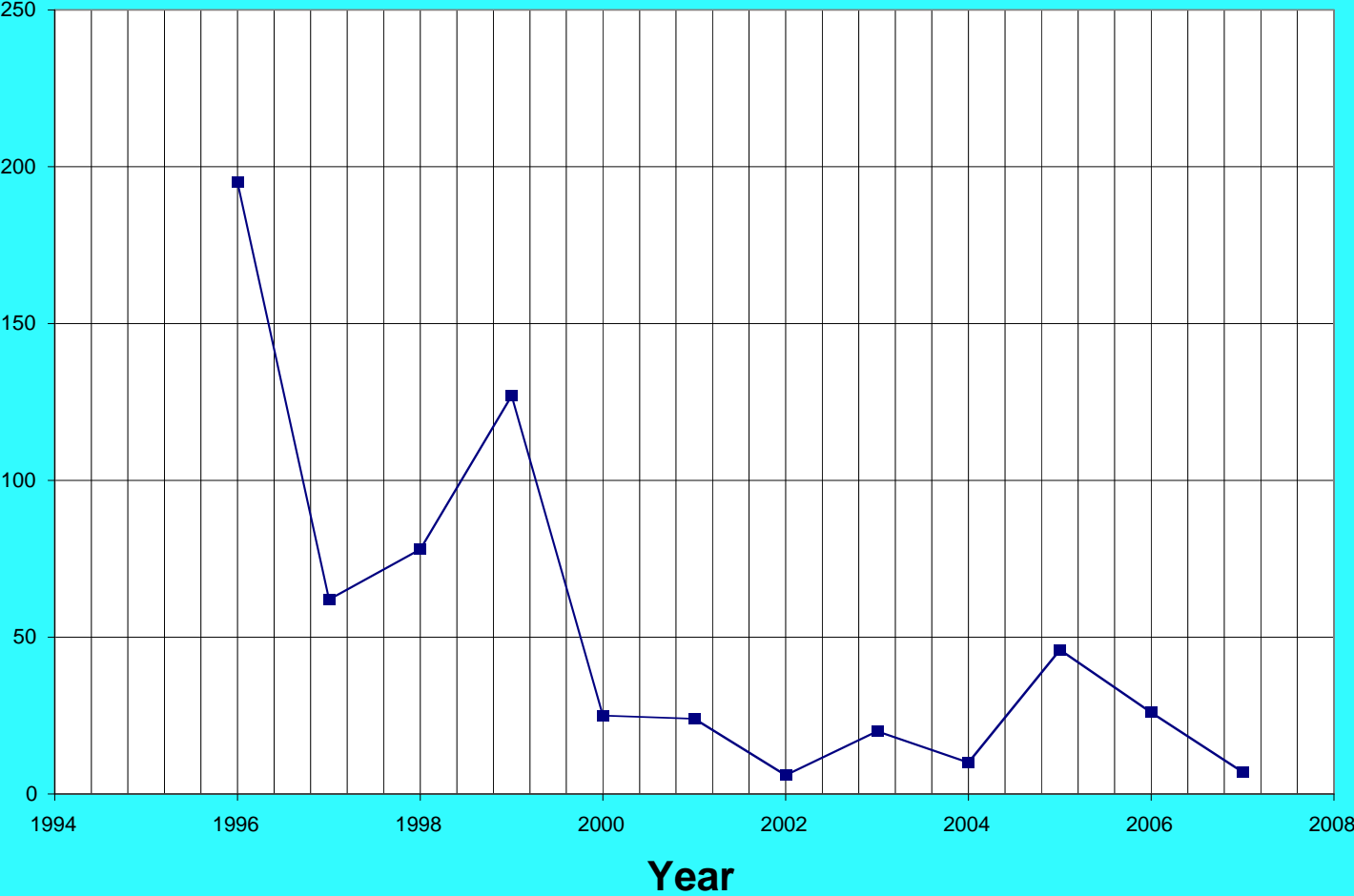
# Coot



## Scaup



# Other





1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009

coot

1441 11,808 3069 4522 3165 1378 111 909 117 2722 1164 1227 53 10

scaup

480 822 506 324 109 408 31 14 16 83 12 16 21

# Species Totals

• Coot	31,700	• Gulls	15
• Scaup	2,842	• Grebes	14
• Ruddy	239	• Merganser	9
• Mallard	131	• Rails/Shorebirds	6
• Teal	116	• Scoter	4
• Ringneck	37	• Canvasback	2
• Bufflehead	27	• Golden-eye	2
• Redhead	24	• Widgeon	2

# Species Totals

- Black duck 2
- Canada goose 2
- Shoveler 1
- Pintail 1
  
- Grand Total 35,176

# Cooperators

- Pat Zellmer & Todd Huspeni-Biology Dept.

