



**LEGEND**

- RECORDS OF SPECIMENS ACTUALLY EXAMINED.
- RECORDS BASED ON LITERATURE AND REPORTS ONLY.
- PRIMARY WATERSHED LINE
- ▨ GLACIAL LAKE DEPOSITS OF CLAY AND SAND IN LOWER PENNSULA
- LINE APPROXIMATELY SEPARATING BELT LOWLAND FROM PRE-CAMBRIAN UPLAND IN UPPER PENNSULA
- 0 10 20 25 MILES
- ▲ LIFE CYCLE ESTABLISHED IN INLAND LAKE
- ⊥ BARRIER TO MIGRATION

CANADA  
MINNESOTA

L A K E S U P E R I O R

W I S C O N S I N

I L L I N O I S

I N D I A N A O H I O

CANADA  
L A K E S T. C L A I R  
L A K E E R I E

O R T A W A G O N R.  
M I S S I S S I P P I W A T E R S H E D

W H I T E F I S H B A Y  
S T. M A R Y S R I V E R

S T. I G N A C E R.  
S T. M A R Y S B A Y

T H U N D E R B A Y

M A N I T O W I S T A R B A Y

M A N I T O W I S T A R B A Y

M A N I T O W I S T A R B A Y

M A N I T O W I S T A R B A Y

S T. J O S E P H R.

M U R R A Y R. L A K E  
M. H A L E N