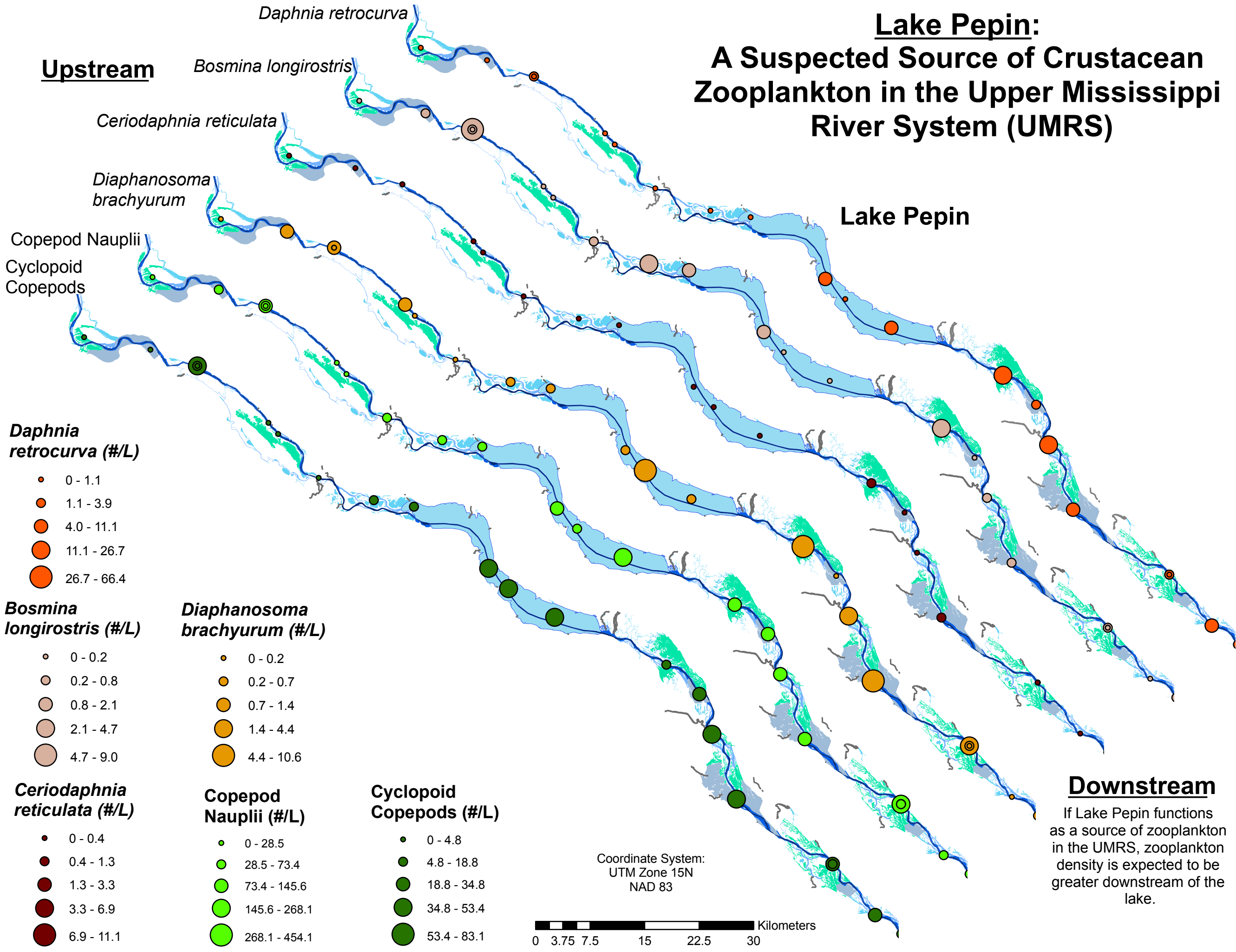
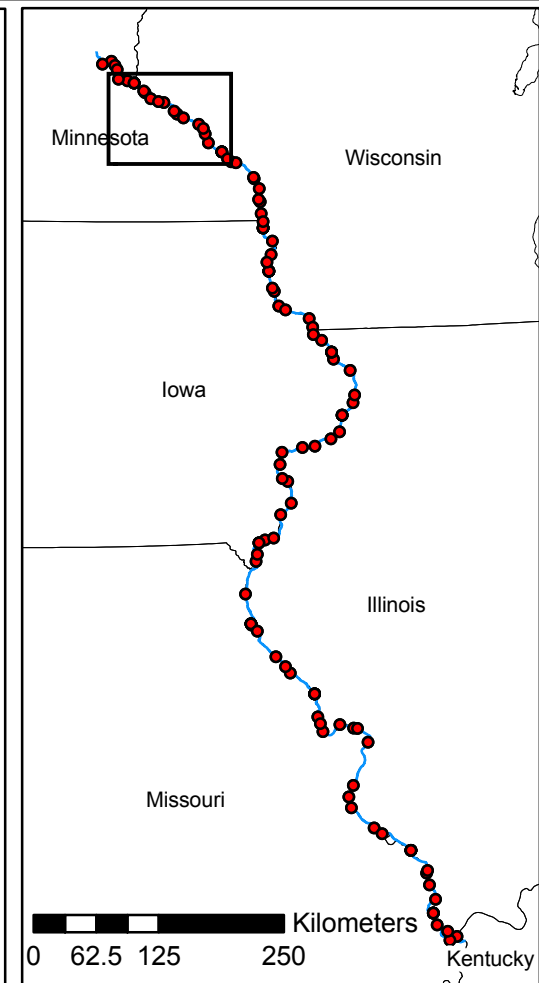


Upstream

Lake Pepin: A Suspected Source of Crustacean Zooplankton in the Upper Mississippi River System (UMRS)



***Daphnia retrocurva* (#/L)**

- 0 - 1.1
- 1.1 - 3.9
- 4.0 - 11.1
- 11.1 - 26.7
- 26.7 - 66.4

***Bosmina longirostris* (#/L)**

- 0 - 0.2
- 0.2 - 0.8
- 0.8 - 2.1
- 2.1 - 4.7
- 4.7 - 9.0

***Diaphanosoma brachyurum* (#/L)**

- 0 - 0.2
- 0.2 - 0.7
- 0.7 - 1.4
- 1.4 - 4.4
- 4.4 - 10.6

***Ceriodaphnia reticulata* (#/L)**

- 0 - 0.4
- 0.4 - 1.3
- 1.3 - 3.3
- 3.3 - 6.9
- 6.9 - 11.1

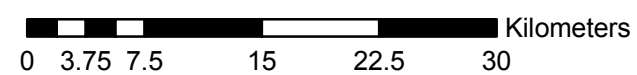
Copepod Nauplii (#/L)

- 0 - 28.5
- 28.5 - 73.4
- 73.4 - 145.6
- 145.6 - 268.1
- 268.1 - 454.1

Cyclopoid Copepods (#/L)

- 0 - 4.8
- 4.8 - 18.8
- 18.8 - 34.8
- 34.8 - 53.4
- 53.4 - 83.1

Coordinate System:
UTM Zone 15N
NAD 83



Lake Pepin

Downstream

If Lake Pepin functions as a source of zooplankton in the UMRS, zooplankton density is expected to be greater downstream of the lake.

Aquatic Habitat

- Backwaters
- Shallow Floodplain
- Impounded Areas
- Lake Pepin
- Main Channel Border
- Main Channel
- Secondary Channel
- Tributary Channel

Zooplankton samples collected in 2004 and 2005 as part of the Great Rivers Environmental Monitoring and Assessment Program GRE-EMAP
Habitat data courtesy of the U.S. Geological Survey Upper Midwest Environmental Sciences Center
www.umesc.usgs.gov

