

# bacteria

## *Spirillum* spp.

Domain: Bacteria  
Division/Phylum: Proteobacteria  
Class: Betaproteobacteria  
Order: Nitrosomonadales  
Family: Spirillaceae

**ILLINOIS STATUS**  
common, native



(1000x)

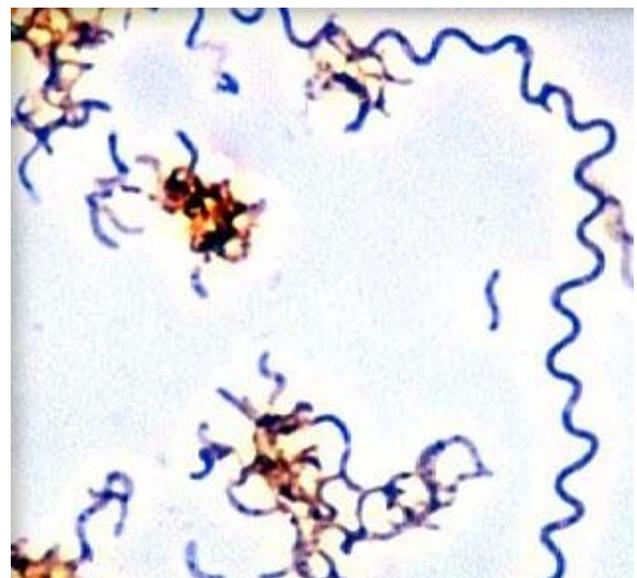
### FEATURES

Bacteria are microscopic, one-celled prokaryotes (no defined nucleus). The members of the genus *Spirillum* are spiral-shaped. Large clusters of flagella are present on each end of the cell to help with movement.

### BEHAVIORS

The members of the genus *Spirillum* are found throughout Illinois. They live in stagnant, freshwater environments. These bacteria use oxygen for respiration (aerobic). Optimal temperature for growth is 30 degrees Celsius.

### ILLINOIS RANGE



(1000x)

## **Aquatic Habitats**

bottomland forests; lakes, ponds and reservoirs; Lake Michigan; marshes; peatlands; rivers and streams; swamps; temporary water supplies; wet prairies and fens

## **Woodland Habitats**

bottomland forests; coniferous forests; southern Illinois lowlands; upland deciduous forests

## **Prairie and Edge Habitats**

black soil prairie; dolomite prairie; edge; gravel prairie; hill prairie; sand prairie; shrub prairie