

# Proceedings of the Iowa Academy of Science

---

Volume 41 | Annual Issue

Article 28

---

1934

## Plant cover Map of the Lake Wapello Watershed, David County, Iowa

Albert F. Dodge

*Let us know how access to this document benefits you*

Copyright ©1934 Iowa Academy of Science, Inc.

Follow this and additional works at: <https://scholarworks.uni.edu/pias>

---

### Recommended Citation

Dodge, Albert F. (1934) "Plant cover Map of the Lake Wapello Watershed, David County, Iowa," *Proceedings of the Iowa Academy of Science*, 41(1), 115-115.

Available at: <https://scholarworks.uni.edu/pias/vol41/iss1/28>

This Research is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact [scholarworks@uni.edu](mailto:scholarworks@uni.edu).

THE DISTRIBUTION AND LIFE-HISTORY OF  
*TRILLIUM NIVALE* RIDDELL

J. N. MARTIN

The snow trillium, the earliest spring flower in the woods of Iowa, is confined in its range almost entirely to the North Central States.

It propagates mainly by seed but occasionally by the branching of the corm. At the Ledges State Park records show that the first flowers appear usually between the 10th and 25th of March. The seeds are mature early in June and the plants then die and disappear until the following spring. The seeds do not germinate until one or more winters have passed. The plant the first year is very delicate and consists of a corm, one root and one leaf. For a number of years, commonly six to nine, only one leaf is produced. Each year a new segment, usually larger than the preceding one, is added to the apical end of the corm and also one or more new roots are formed. The stage in which only a single leaf is produced is followed by one in which a stem bearing three leaves is formed. After a few years this stem, in addition to the three leaves, produces a flower. It commonly requires 10 to 12 years for the plants to reach the following period. The flowering period and the life of the plant are apparently indeterminate, continuing until terminated by some adverse circumstance.

DEPARTMENT OF BOTANY,  
IOWA STATE COLLEGE,  
AMES, IOWA.

---

PLANT COVER MAP OF THE LAKE WAPELLO  
WATERSHED, DAVIS COUNTY, IOWA

ALBERT F. DODGE

A plant cover map of the land comprising the five thousand acre watershed of Lake Wapello has been made in connection with erosion control, lake silting and game management problems confronting the Iowa Fish and Game Commission in the development of this southern Iowa fishing lake. The extent of various cover types with the important species composing each type and the per cent of soil erosion areas on the map permits the correlation of extent of erosion with plant cover. The locations of the pictures presented has been recorded so that successional changes in vegetation may be traced.

AMES, IOWA.