

Additions to the Flora of Gibson County, Indiana

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A floristic study was conducted to determine the vascular plant populations of northwestern Gibson County, Indiana. This investigation resulted in the collection of 35 vascular plant species not previously reported for Gibson County by Deam (1940) or subsequent updates to the flora of Gibson County (Deam et al 1940, 1944, 1947, 1949, 1951; Humbles 1965, 1970; Kays and Humbles 1974). Including the species reported here, the vascular flora recorded for Gibson County totals 618 species: 18 ferns or fern allies, 1 gymnosperm, 166 monocots, and 433 dicots.

The habitats that were investigated in this study consisted of lowland forest, roadsides, fallow fields, sloughs and floodplain forest adjacent to the Wabash River. Because the study area is well within the broad, level floodplain of the Wabash River, a considerable amount of the land is subjected to annual spring flooding.

Of the 35 species of vascular plants reported here as new to Gibson County, none of them represent new additions to the flora of Indiana. Two seldom collected plants in Indiana, *Cyperus acuminatus* T. & G. and *Scirpus smithii* A. Gray, were collected along the shores of a soil borrow area.

In the following list, the name of each species is followed by a brief note concerning its habitat and the author's collection numbers. The nomenclature follows Fernald (1950). All specimens were deposited in the Deam Herbarium of Indiana University.

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Ferns and Fern Allies

Equisetaceae

Equisetum hyemale L. Roadside; 2194.

Salvinaceae

Azolla caroliniana Willd. Pond; 2517.

Monocotyledoneae

Cyperaceae

Carex lacustris Willd. Roadside; 2389.

Cyperus acuminatus T. & G. Artificial pond; 2075.

Scirpus smithii A. Gray Artificial pond; 2074.

Graminae

Bromus tectorum L. Fallow Field; 2384.

Dactylus glomerata L. Roadside; 2392.

Festuca elatior L. Roadside; 2219.

Hordeum pusillum Nutt. Roadside; 2381.

Paspalum pubiflorum Rupr. Roadside; 2220.

Poa chapmaniana Scribn. Roadside; 2386.

Setaria faberii Herrm. Roadside; 2221.

Setaria glauca (L.) Beauv. Roadside; 2199.

Uniola latifolia Michx. Moist Woods; 2226.

Naidaceae

Naias guadalupensis (Spreng) Magnus. Artificial pond; 2077.

Naias minor All. Artificial pond; 2078.

Dicotyledoneae

Annonaceae

Asimina triloba (L.) Dunal. Moist Forest; 2288.

Caryophyllaceae

Silene antirrhina L. Roadside; 2387.

Compositae

Aster ontarionis Wieg. Roadside; 2174.

Aster simplex Willd. Roadside; 2258.

Bidens aristosa (Michx.) Britt. Fallow Field; 2255.

Erechtites hieracifolia (L.) Raf. Fallow Field; 2014.

Cruciferae

Lepidium virginicum L. Roadside; 2380.

Dioscoraceae

Dioscorea villosa L. Moist Forest; 2234.

Leguminosae

Lespedeza stipulacea Maxim. Roadside; 2209.

Medicago lupulina L. Roadside; 2374.

Robinia psuedoacacia L. Roadside; 2368.

Trifolium hybridum L. Roadside; 2383.

Trifolium pratense L. Roadside; 2372.

Vicia villosa Roth Roadside; 2396.

Oxalidaceae

Oxalis dillenii Jacq. Roadside; 2437.

Phytolaccaceae

Phytolacca americana L. Roadside; 2184.

Rosaceae

Rosa multiflora Thunb. Roadside; 2395.

Salicaceae

Salix interior L. Shore of pond; 2388.

Umbelliferae

Zizia aurea (L.) Koch Wabash River Floodplain; 2365.

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