

36th Annual Wildflower Foray

23–25 April 2021

Treasure Hunt Hike (THH)

Hot Hills, Cool Hollows

Brown County, Indiana

by David Mow

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About the trail: GPS 39.190174, -86.213344 —This Treasure Hunt Hike is for plant species found on David's annual hike in Brown County State Park. Park in the parking lot by the saddle barn, go to Trail 3, which starts in front of the saddle barn. Go north to the road, using it to cross the horse tunnel. On the other side go back down into the valley and on your left, you will see the trail that switches backs up the hill. The trail will parallel the road to a mowed field where you will turn right and go down the hill. At the bottom you cross a bridge and follow the valley a short distance to the stairs. Go up the stairs and follow the trail to the right that will go back down into the valley and across another bridge. The trail will go across the gravel horse trail and slowly up the hill on the other side. The trail looks like it forks, follow the trail on the left, up the hill to the cabins behind the lodge. When you get to the parking area for

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the cabins, the gravel start to the trail will be on your right. This will take you down past the amphitheater that you will go around and follow the trail at the bottom down the hill to the saddle barn. Note: if you get a brochure when you check into Brown County State Park, there will be a map that shows Trail 3.

Please stay on the trail so you do not damage the plants, and do not pick any of the plants or any part of them.

About the text and formatting: This was designed to make the identification as visual and simple as possible. This THH includes only wildflowers. Species pages are organized into groups by the number of petals and petal-like parts or lobes on a fused base on an individual flower. Each group has the species with the largest flower listed first, with each following species page the next smaller flower. Wildflowers include all flowering plants except trees and shrubs. The size of the plant and flower are listed to help with identification. The date that the species flowers in Indiana is also included, so that if the user does the trail at a different time, he or she will know whether the plant is likely to be in flower. The primary size and flower color are sometimes followed by occasional ones in a parenthesis.

This text and formatting was done by Kay Yatskievych [Kay.Yatskievych@mobot.org], and is similar to what will be used in the Indiana Plant Identification PDFs [INplntID], a new project that Kay is working on. However, these will include more text and images.

More about the text and formatting:

Species names in **Bold** are ones native to Indiana.

Species names in *SMALL CAPS* are ones that are introduced into Indiana.

The scientific name is the one currently recognized in the Indiana Vascular Plants Catalogue [IVPC] (in process by Kay Yatskievych).

The number in parenthesis is the species number in the Field Guide to Indiana Wildflowers [FGIW], by Kay Yatskievych 2000.

Next is the vernacular name that is used in the 2021 Wildflower Foray Checklist.

Next is {} with the currently recognized family name in it, and after some of these a name that was used in FGIW or the Wildflower Foray Checklist that is now considered to be a synonym (syn.), or is an illegitimate name (nom. illeg.), invalid name (nom. inval.), or was misapplied (misapp.)

Wildflowers: grouped by visible petals, petal-like parts, or lobes on a fused base (not all are on this THH)

Wildfl-6+ = 6 or more

Wildfl-5Alike = 5 separate
and alike

Wildfl-5Dissim = 5 separate
and dissimilar

Wildfl-5Lobes = 5 lobes on a
fused base

Wildfl-4 = 4

Wildfl-3 = 3

Wildfl-2 = 2

Wildfl-2Lip = 2-lipped

Wildfl-1Lig = 1 ligule (in com-
pound head)

Wildfl-1Ray = 1 ray (in com-
pound head)

Wildfl-1Thist = thistle or thistle-
like (in compound head)

Wildfl-0Gras = no petals or
petal-like parts (grasses)

Wildfl-0Sedg = no petals or
petal-like parts (sedges)

Wildfl-0Zmisc = no petals/
petal-like parts or small
ones in compact head
(miscellaneous families)

***Caulophyllum
thalictroides***
**(59); Common
Blue Cohosh**
{Berberidaceae}
—Wildfl-6+

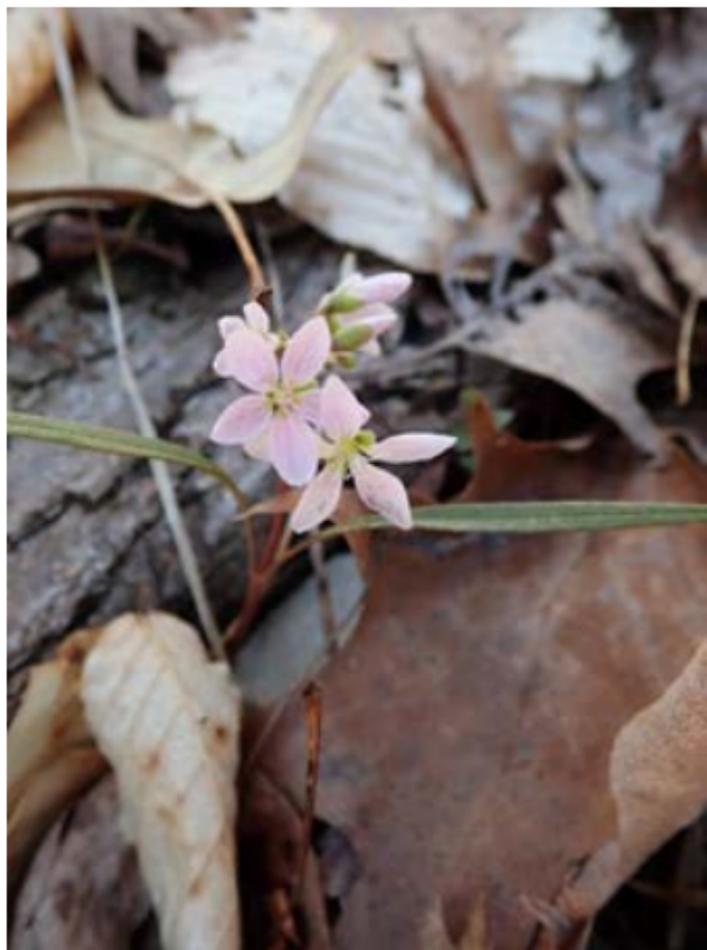
Perennial herb 0.4–
0.6 m tall. Sepals
6(5), 3–5 mm long,
petals smaller, both
yellow, purple, or
green. Blooms
Mar 21–May 25
in Indiana.

David Mow



Claytonia virginica
var. *virginica* (129);
Virginia Spring-beauty
{Montiaceae; prev. in
Portulacaceae}
—Wildfl-5Alike

Perennial herb 0.05–0.2 m
long. Petals 5, 7–14 mm
long, white, pink, with light
or dark pink veins. Blooms
Feb 23–June 14 in Indiana.



David Mow

***Viola palmata* var.
palmata (273) Three-
lobed Violet** {Violaceae
—syn. *Viola triloba*}
—Wildfl-5Dissim

Perennial herb, stemless,
flower stalk 0.2–0.3
m. Petals 5, dissimilar,
9–20(–26) mm long,
with a short spur in
back, bluish purple with
a greenish white throat
and usually darker veins
(white). Blooms Apr
18–May 24 in Indiana.



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***Viola pubescens* (286);**
Yellow Violet {Violaceae
—syns. *V. pubescens* var.
pubescens, var. *scabriuscula*}
—Wildfl-5Dissim

Perennial herb, stemmed,
0.1–0.5 m. Petals 5, dissimilar,
15–25 mm long, the lowest
with a short backward spur,
yellow, the bottom one with
dark purple stripes at the
base (others sometimes with
smaller dark purple stripes at
the base). Blooms Apr 8–
June 20 in Indiana.



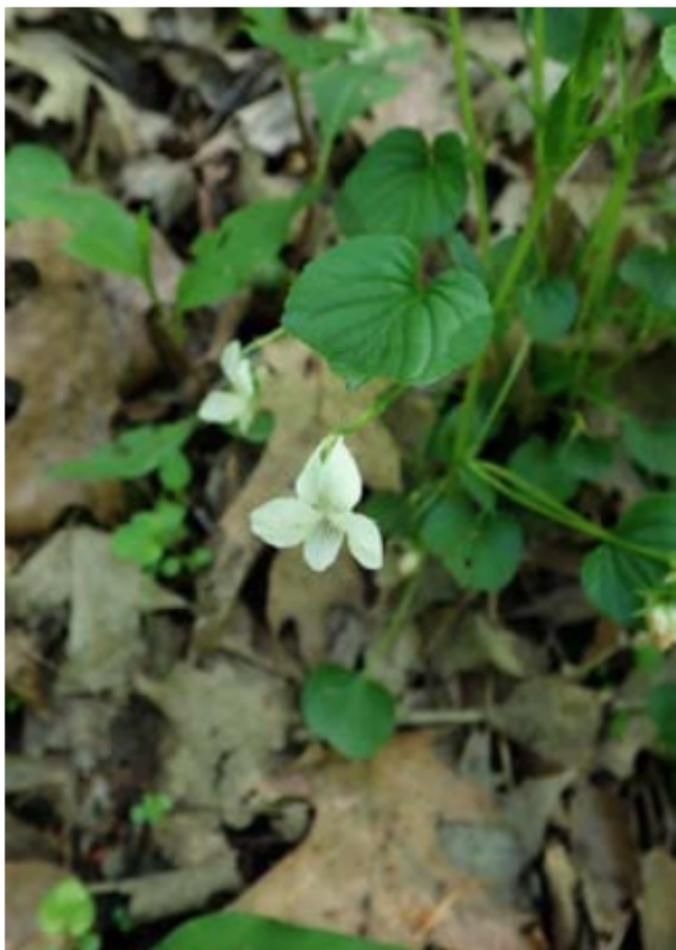
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***Viola striata* (285);
Striped White Violet**

{Violaceae}

—Wildfl-5Dissim

Perennial herb, stemmed,
0.1–0.4 m. Petals 5,
dissimilar, 8–13 mm long,
white, the lowest with a
short backward spur, the
top of the petal white with
purple stripes at the base.
Blooms Apr 10–July 19,
Oct 10 in Indiana.



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Cubelium concolor
(292) Eastern Green
Violet {Violaceae —syn.
Hybanthus concolor}
—Wildfl-5Dissim

Perennial herb, stemmed,
0.4–1 m. Petals 5, dissimilar,
4–5 mm long, the lowest with
a small pouch in back, light
yellowish green. Blooms Apr
10–June 9 in Indiana.



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Phlox divaricata
(804); Wild
Blue Phlox

{Polemoniaceae
—syns. *P. divaricata*
subsp. *divaricata*,
subsp. *laphamii*}
—Wildfl-5Lobes

Perennial herb,
flowering stems
0.2–0.5 m. Petals 5,
fused at the base,
21–32 mm, light purple, light reddish purple (white).
Blooms Mar 28 –June 12 in Indiana.



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Phlox bifida
(801); Cleft Phlox
{Polemoniaceae
—syns. *P. bifida*
subsp. *bifida*,
subsp. *stellaria*}
—Wildfl-5Lobes

Perennial herb or
subshrub, 0.1–0.3
m. Petals 5, fused
at the base, 13–26
mm, light purple,
light reddish purple
(white). Blooms Apr
5–June 6 in Indiana.

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***Polemonium reptans* var. *reptans* (813);**
Spreading
Jacob's-ladder
{Polemoniaceae}
—Wildfl-5Lobes

Perennial herb
0.2–0.5 m. Petals
5, fused at the
base, 12–16 mm,
light purple (blue).
Blooms Apr 3–
June 1 in Indiana.

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Delphinium tricorne
(54); Dwarf Larkspur
{Ranunculaceae}
—Wildfl-5-Lobes

Perennial herb 0.2–0.6 m.
Petal-like sepals 5, 10–17
mm long, the upper with a
long spur, blue (lavender,
pink, white), petals 4 and
much smaller, blue (white).
Blooms Apr 12–June 30
in Indiana.



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Oxalis violacea
(659); Violet
Wood Sorrel
{Oxalidaceae}

—Wildfl-5Lobes

Perennial herb,
stemless, flowering
stems 0.1–0.2 m,
longer than the leaf
stalks. Petals 5,
fused at the base,
9–20 mm long, light
purple or pinkish purple (white).
Blooms Apr 3–Sept 13 in Indiana.



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***Triosteum aurantiacum*
var. *aurantiacum* (1064);
Early Horse Gentian**

{Caprifoliaceae}
—Wildfl-5Lobes

Perennial herb 0.3–1.0
m. Petals 5 shallow
lobes on a slightly
curved tubular base,
8–15 mm long, dull red.
Blooms Apr 27–June 27
in Indiana.



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MYOSOTIS STRICTA (833);
SMALL-FLOWERED FORGET-
ME-NOT {Boraginaceae}
—Wildfl-5Lobes

Annual herb to 0.2 m.
Petals 5, fused at the base,
1.5–2.5 mm long. Blooms
Blooms Apr 21–June 17
in Indiana.



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Houstonia caerulea
(1059); Yellow-eyed
Bluets {Rubiaceae}
—Wildfl-4

Perennial herb 0.03–
0.15. Petals 4, fused at
the base, 15–24 mm,
light blue with pale
yellow inside near the
base. Blooms Apr 5–
Aug 22 in Indiana.



David Mow

HOUSTONIA PUSILLA
(1060); RED-EYED
BLUETS {Rubiaceae}
—Wildfl-4

Annual herb 0.02–
0.12 m. Petals 4,
fused at the base,
4–10 mm, blue
with red inside
near the base
(pale lavender,
white). Blooms
Mar 21–Apr 27
in Indiana.

David Mow



***Cardamine
concatenata***
**(358); Cut-
leaved Toothwort**
{Brassicaceae —syn.
Dentaria laciniata}
—Wildfl-4

Perennial herb
0.15–0.4(–0.55)
m. Petals 4,
(8–)10–20 mm,
white (light pink);
sepals 4, (4–)5–10 mm, green (pinkish-tinged).
Blooms Mar 3–May 27 in Indiana.

David Mow



Cardamine bulbosa
(363); White Spring
Cress {Brassicaceae}
—Wildfl-4

Perennial herb 0.1–0.4
m. Petals 4, 7–16 mm,
white; sepals 4, smaller
than petals, green,
turning yellowish in age.
Blooms Apr 10–June 21
in Indiana.



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***Thalictrum*
dioicum (42);
Early Meadow Rue**
{Ranunculaceae}
—Wildfl-4

Perennial herb 0.3–
0.7 m, dioecious.
Sepals 4, 3–5 mm
long, light green,
light purple; petals
none; stamens
5–15 mm, yellow,
greenish yellow.
Blooms Mar 27–
June 15 in Indiana.

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Trillium recurvatum
(1483); Prairie Trillium
{Melanthiaceae, prev.
in Liliaceae} —Wildfl-3

Perennial herb 0.15–0.4
m. Petals 3, 20–35 mm,
deep reddish purple (dull
greenish yellow); sepals
3, smaller than petals,
green, pointing downward
between the leaves.

Blooms Apr 3–June 20
in Indiana.



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Hydrastis canadensis
(44); Goldenseal
{Ranunculaceae}
—Wildfl-0Zmisc

Perennial herb
to 0.25 m. Petals
and sepals none;
stamens 5–8 mm,
numerous and
showy, white.
Blooms Apr 22–
May 14 in Indiana.

On Indiana's ET/X List; status: Watch List, 2020-03-09

David Mow

