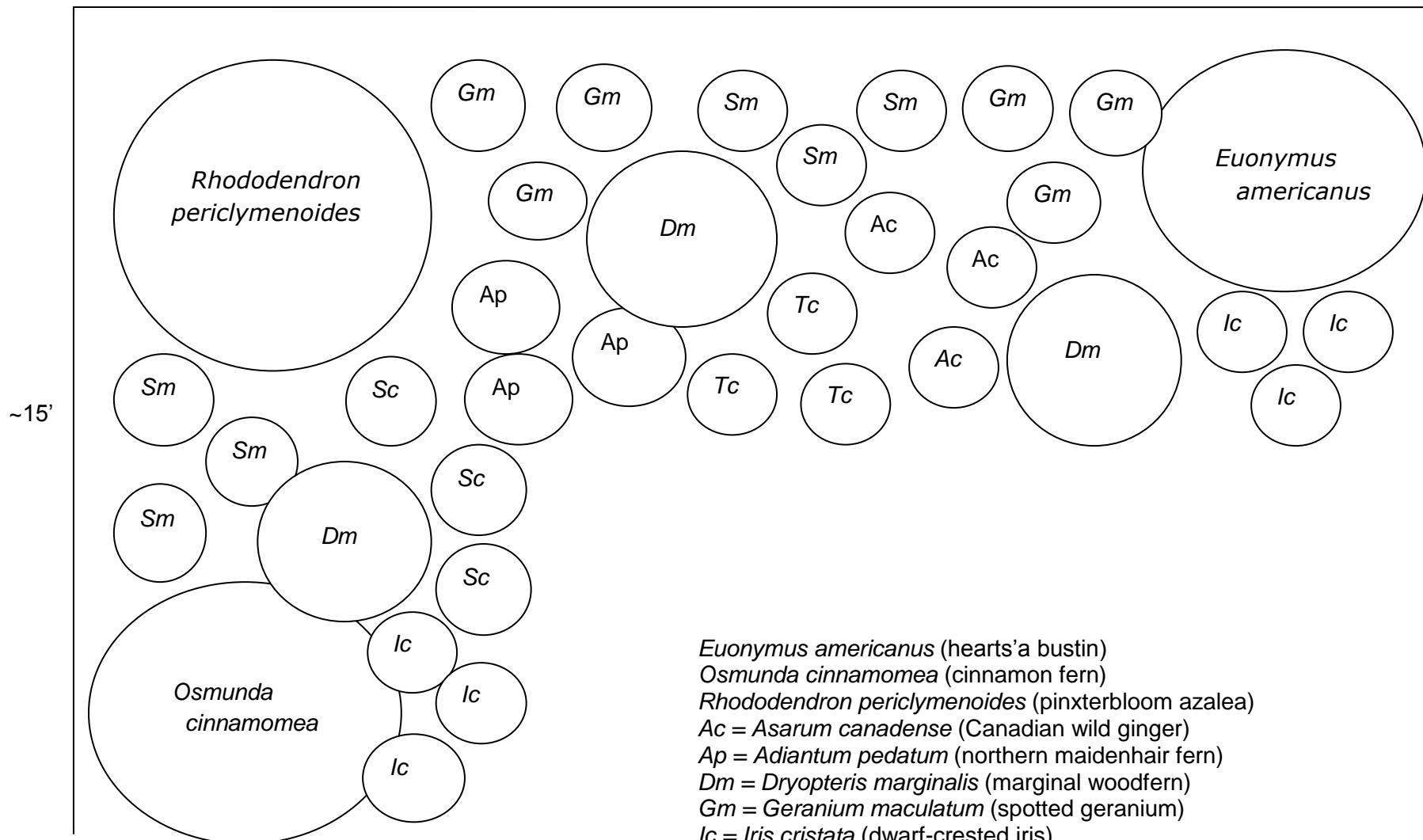


~30'



Euonymus americanus (hearts'a bustin)
Osmunda cinnamomea (cinnamon fern)
Rhododendron periclymenoides (pinxterbloom azalea)
Ac = *Asarum canadense* (Canadian wild ginger)
Ap = *Adiantum pedatum* (northern maidenhair fern)
Dm = *Dryopteris marginalis* (marginal woodfern)
Gm = *Geranium maculatum* (spotted geranium)
Ic = *Iris cristata* (dwarf-crested iris)
Sc = *Sanguinaria canadensis* (bloodroot)
Sm = *Spigelia marilandica* (indian pink)
Tc = *Tiarella cordifolia* (foamflower)

Euonymus americanus (Hearts-A-Bustin)

Height: 4 to 6 feet

Spacing: 2 to 3 feet

Exposure: Light shade

Bloom: Inconspicuous

Bloom Time: Spring

pH: 5.6 to 6.5

Wildlife: Seeds utilized by birds

Propagation: By seeds

Other: Evergreen when winters are mild; beautiful seeds and foliage



Euonymus americanus flowers
Norman G. Flaigg



Euonymus americanus seed pods
Stefan Bloodworth

Rhododendron periclymenoides (Pinxterbloom)

Height: 6 to 8 feet

Spacing: 6-8 feet

Exposure: Varies Sun to part shade

Bloom: pink

Bloom Time: early spring

pH: below 6.8

Wildlife: Visited by hummingbirds; host plant for gray comma butterfly

Propagation: By seeds

Other: Deciduous; all plant parts are poisonous



Rhododendron periclymenoides
W. D. Bransford

Asarum canadense (Canadian Wild Ginger)

Height: 6 to 12 inches

Spacing: 9 to 12 inches

Exposure: Full shade

Bloom: Purple to brown

Bloom Time: Spring

pH: 5 to 6.5

Wildlife: Provides cover

Propagation: By division of plants

Other: Has extremely attractive foliage and makes an excellent ground cover; rhizomes can be used as a ginger substitute



Asarum canadense
Sally and Andy Wasowski



Flowers
Albert F. W. Vick

Adiantum pedatum (Northern Maidenhair Fern)

Height: 12 to 24 inches

Spacing: 15 inches

Exposure: Shade or morning sun

pH: 6.8-7.2

Wildlife: Provides cover

Propagation: By spores or rhizome division

Other: Dies back in winter



Adiantum pedatum
Sally & Andy Wasowski

Dryopteris marginalis (Marginal Woodfern)

Height: 12 to 24 inches

Spacing: 15 inches

Exposure: Shade or morning sun

pH: Below 6.8

Wildlife: Provides cover

Propagation: By spores and root division

Other: Evergreen



Dryopteris marginalis
Sally & Andy Wasowski

Geranium maculatum (Spotted Geranium)

Height: 12 to 18 inches

Spacing: 18 to 24 inches

Exposure: Part shade

Bloom: Blue to lavender

Bloom Time: Late spring early summer

pH: 5.6 to 8

Wildlife: Attractive to insects

Propagation: Readily self sows

Other:



Geranium maculatum
Mrs. W. D. Bransford

Iris cristata (Dwarf-Crested Iris)

Height: 4 to 16 inches

Spacing:

Exposure: Partial shade

Bloom: Blue

Bloom Time: April and May

pH: 6 to 7.5

Wildlife:

Propagation: Division in early fall

Other: Tends to spread with time; *Iris verna* is another small woodland iris native to the mountains of North Carolina



Iris cristata

Mrs. W. D. Bransford

Osmunda cinnamomea (Cinnamon Fern)

Height: up to 5 feet

Spacing: 15 inches

Exposure: Shade or morning sun

pH: below 6.8

Wildlife: Birds use fuzzy brown material that covers fiddleheads for nesting material

Propagation: By spores

Other: Dies back in winter



Osmunda cinnamomea
Sally & Andy Wasowski

Sanguinaria canadensis (Bloodroot)

Height: 6 to 9 inches

Spacing: 12 to 15 inches

Exposure: Partial to full shade

Bloom: White

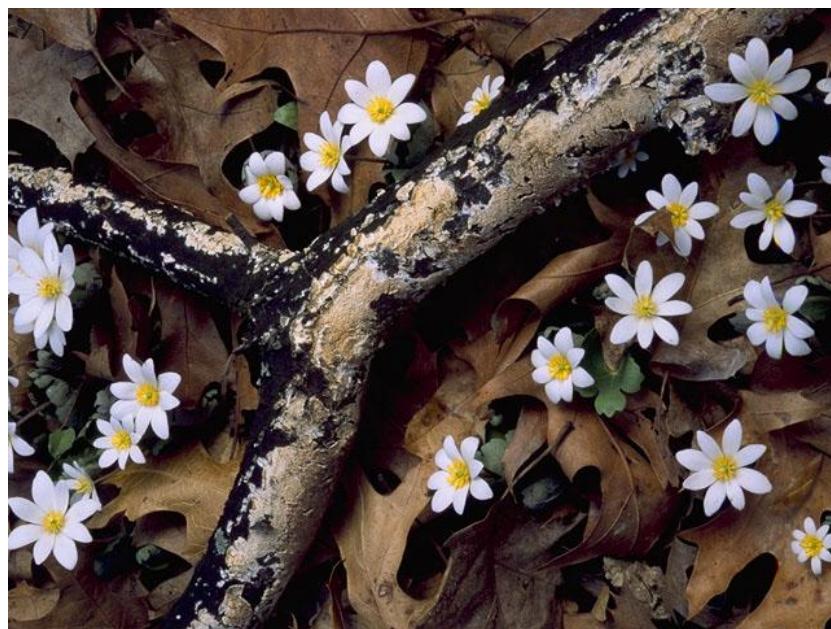
Bloom Time: Early to mid spring

pH: 6 to 7.8

Wildlife: Attractive to insect pollinators

Propagation: From divisions; wear gloves when cutting the roots

Other: Attractive foliage after the flowers die back; can spread rapidly and makes a good ground cover



Sanguinaria canadensis
Doug Sherman

Spigelia marilandica (Indian Pink)

Height: 18 to 24 inches

Spacing: 15 to 18 inches

Exposure: Partial shade to full shade (apparently will also do well in sun)

Bloom: Red

Bloom Time: Mid-spring to mid-summer

pH: 6 to 6.5

Wildlife: Very attractive to hummingbirds

Propagation: By seeds or division

Other: Needs to be deadheaded to produce continual blooms



Spigelia marilandica
Mrs. W. D. Bransford



Spigelia marilandica
Stefan Bloodworth

Tiarella cordifolia (Foam Flower)

Height: 12 to 18 inches

Spacing: 15 inches

Exposure: Light shade

Bloom: Pinkish white

Bloom Time: Late spring into summer

pH: 5.6 to 7.8

Wildlife: Host plant for the common buckeye butterfly

Propagation: By runners

Other: May do well at the base of a rock garden or hillside where it is moist; has a tendency to spread and form a low carpet if conditions are ideal



Tiarella cordifolia
Albert F. W. Vick



Tiarella cordifolia
Mrs. W. D. Bransford