

Handbook

January 2021



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Tree of Heaven

(*Ailanthus altissima*)

Cool Spring * Yankauer * Eidolon

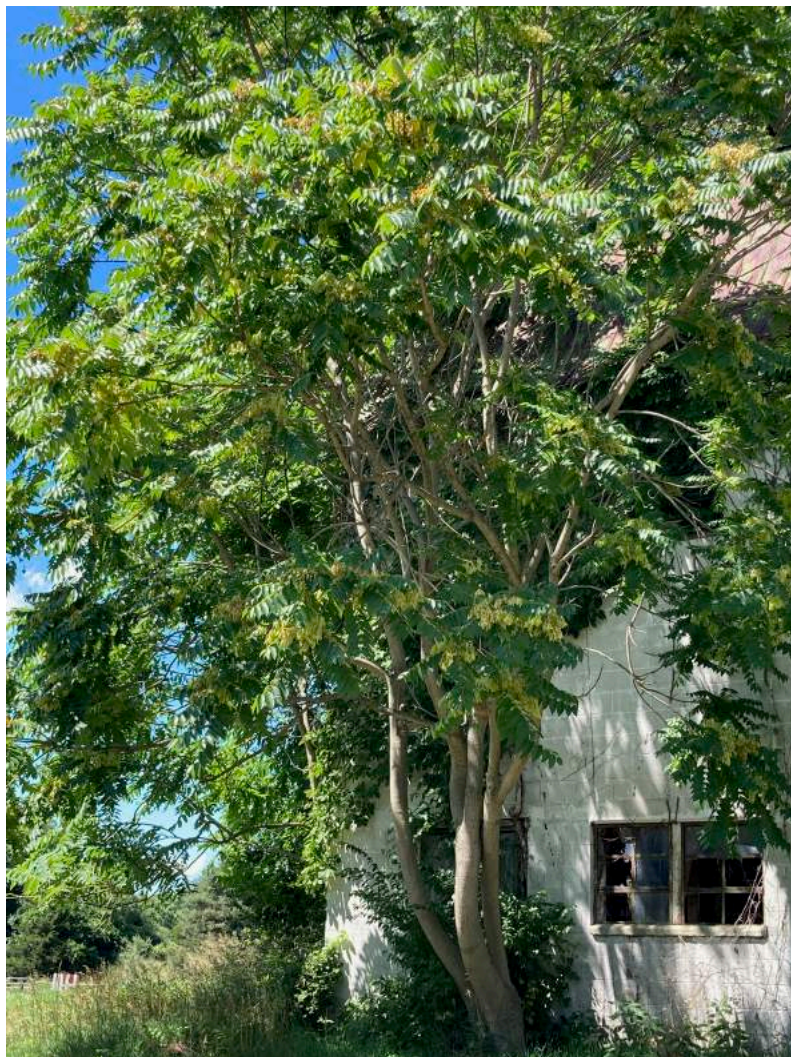


Bark: Very smooth and pale grey; walnut bark has deep ridges.



Leaves: Compound leaves with 11-25 leaflets. Margins are entire, unlike walnut leaves with serrated edges. Note the notches at the base of leaflet. Smells like old peanut butter.

Attack Method: Clip year round. Cut and paint treatments most effective in late summer/early fall.



Growth Habit: Large tree found in forests and meadows. May be confused with native walnuts and sumac.



Flowers and Seeds: Female trees have white flowers in late spring; yellow samaras turn orange/red in late summer. 3

Autumn Olive

(*Elaeagnus umbellata*)

Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



Berries: Autumn Olive has red berries, European Privet has black berries. Similar looking shrubs, both are invasive. Berries ripen late August and persist into the fall.

Growth Habit: Large shrub found in forest understory and meadows.



Leaves: Crinkled edges, silver underneath, semi-evergreen – persistent into late fall.



Flowers: Creamy white clusters, present in early spring.

Attack Method: Clip year-round. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.

**** Watch for thorns! ****

Bush Honeysuckles

(*Lonicera mackii*; *Lonicera tartarica*)

Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



Flowers: Unique, white and yellow fragrant flowers in spring.



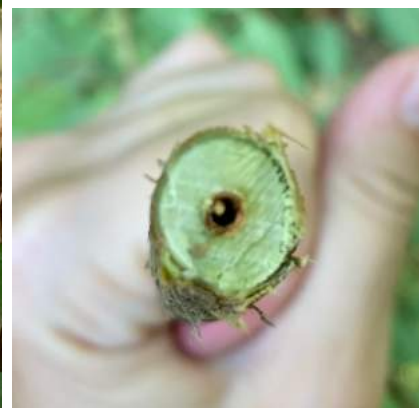
Growth Habit: Large, semi-evergreen shrub found in the forest understory.



Leaves and Berries: Leaves are very uniform and dark green in color. Red berries present spring through fall.



Bark and Stems: Older bark has distinct vertical striations, generally flaky. Stems have a hollow pith.



Attack Method: Clip year-round. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.

Attack Method: Clip year-round. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season

Japanese Barberry

(*Berberis thunbergii*)

Cool Spring * Yankauer



Growth Habit: Small to large, semi-evergreen shrub found in forest understory and meadows.



Leaves: Small, round leaves are dark green on top, light green/silver beneath. Nursery varieties may have red foliage.



Berries and Stems: Red, raindrop-shaped berries in fall; persist through winter. Stems are very thorny and yellow inside when cut.



Flowers: Light yellow to orange flowers in spring.

**** Watch for thorns! ****

Multiflora Rose

(*Rosa multiflora*)

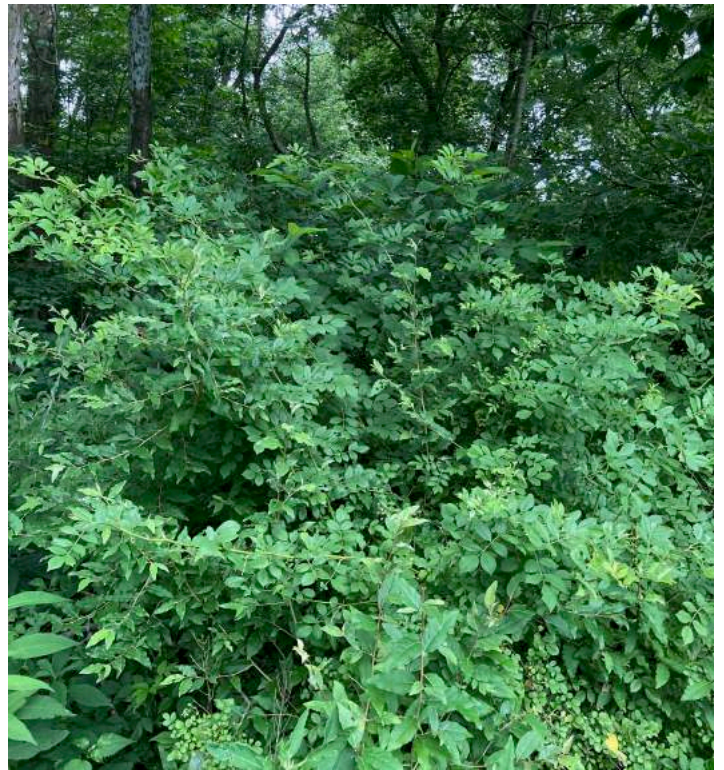
Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



Leaves: Compound leaves with 5-11 leaflets with toothed margins. Each leaf stalk has hairs or prickles on stipule. The native, Swamp Rose, lacks these hairs.



Flowers and berries: Pretty, white flowers in spring; red rose hips present in fall.



Growth Habit: Individual stems are vine-like; becomes more shrub-like over time. Found in forest understory and meadows.



Stems and Bark: Thorny, green stems become woody with age.

Attack Method: Clip year-round. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.

**** Watch for thorns! ****

Wineberry

(*Rubus phoenicolasius*)

Cool Spring * Yankauer * Stauffer's Marsh



Growth Habit: Individual stems emerge from ground and are vine-like. Both ends of stem may grow into ground. Stems form dense thickets over time. Found in forests and meadows.



Leaves and Stems: Leaves in threes. Stems are red and densely covered in thorns and prickly hairs.



Attack Method: Clip year-round. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.



Berries: Edible, red berries present in July. Eat as many as you can to stop the spread!

**** Watch for thorns! ****

Japanese Honeysuckle

(*Lonicera japonica*)

Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



Growth Habit: Vine that creeps along ground and will climb anything it can. Wraps around trees and chokes them. Forms dense thickets.



Leaves: Leaves typically oval in shape, but young leaves may resemble oak leaves.



Bark: Older bark has a whitish and flaky appearance.



Flowers and Berries: Unique, white and yellow fragrant flowers in spring. Black berries in summer/fall.



Attack Method: Cut vines year-round, leaving a gap so the vine cannot grow back together. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.

Oriental Bittersweet

(*Celastrus orbiculatus*)

Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



Growth Habit: Climbing vine. Wraps around trees and chokes them. Vines will intertwine with themselves and form dense thickets.



Flowers and Leaves: Small white flowers in spring. Leaves are oval in shape, with slightly toothed margins.



Berries: Red berries with yellow skins persist all winter. Native, American Bittersweet, has orange skins.



Bark: Generally smooth and light brown with a "warty" appearance.

Attack Method: Cut vines year-round, leaving a gap so the vine cannot grow back together. Cut and paint herbicide treatments most effective in fall, but can be done anytime during dormant season.

Garlic Mustard

(Alliaria petiolata)

Cool Spring * Yankauer * Eidolon



Flowers: Small, white flowers in early spring.

Seeds: Plant will drop leaves and flowers leaving skeleton stalks with black/dark brown seeds.



Growth Habit: Biennial, herbaceous plant with a short lifecycle in the early spring. Found in forest understory.



Leaves: First year leaves (left) more rounded and low growing. Second year leaves (right) are triangle in shape and are born on a 1-2 foot stalk.



Attack Method: Hand pull as soon as plants emerge in the early spring. Plants must be bagged and disposed of properly.

Attack Method: Digging or hand pulling of tap roots. Most effective when caught in the basal rosette form.



Flowers: Small, thistle-like lavender flowers bloom June through August in second year.



Leaves: First year leaves (right) form a basal rosette. Second year leaves (above) elongate to form a 3-4ft stalk. Grey/blue in color.

Spotted Knapweed

(Centaurea stoebe)

Cool Spring * Stauffer's Marsh



Growth Habit: Biennial, herbaceous plant with a short lifecycle during the summer. Likes disturbed sites.



**** Watch for prickles! ****

Teasel

(Dipsacus fullnum)

Cool Spring * Stauffer's Marsh



Growth Habit: Biennial, herbaceous plant with a short lifecycle in the summer. Found in disturbed sites and meadows.



Flowers/seed head: Very prickly. Rows of pink flowers bloom in summer. Seed head turns brown and persists into the fall.

Attack Method: Digging or hand pulling of tap roots. Most effective when caught in the basal rosette form. If flowering, cut off flower/seed head and place in trash bag.



Leaves: First year leaves (above) form a basal rosette. Second year leaves (below) elongate to form a stalk up to 6ft in height.



**** Watch for prickles! ****

Thistles

(*Cicium arvense*; *Cicium vulgare*)

Cool Spring * Yankauer * Stauffer's Marsh



Growth Habit: Biennial, herbaceous plants with short lifecycles during the summer. Likes disturbed sites and meadows.



Flowers/seed head: Both have pink flowers. Canada thistle above left, Bull thistle above right. Flowers become fluffy for wind dispersal (below)



Leaves: First year leaves (above) form a basal rosette. Second year leaves (below) elongate to form a stalk. Canada ranges from 2-5ft in height while Bull can be 3-7ft tall.



Attack Method: Dig or hand pull tap roots; most effective when caught in the basal rosette form.

**** Watch for prickles! ****

Johnson Grass

(*Sorghum halepense*)

Cool Spring * Yankauer * Stauffer's Marsh



Growth Habit: Corn-like, warm season grass found in fields and along roadsides. White mid-rib, round at base of stalk. Blooms in July.

Attack Method: At minimum, cut off seed heads. Roots must be dug out. Requires herbicide.

Call KC if spotted in meadows!

Japanese Stiltgrass

(*Microstegium vimineum*)

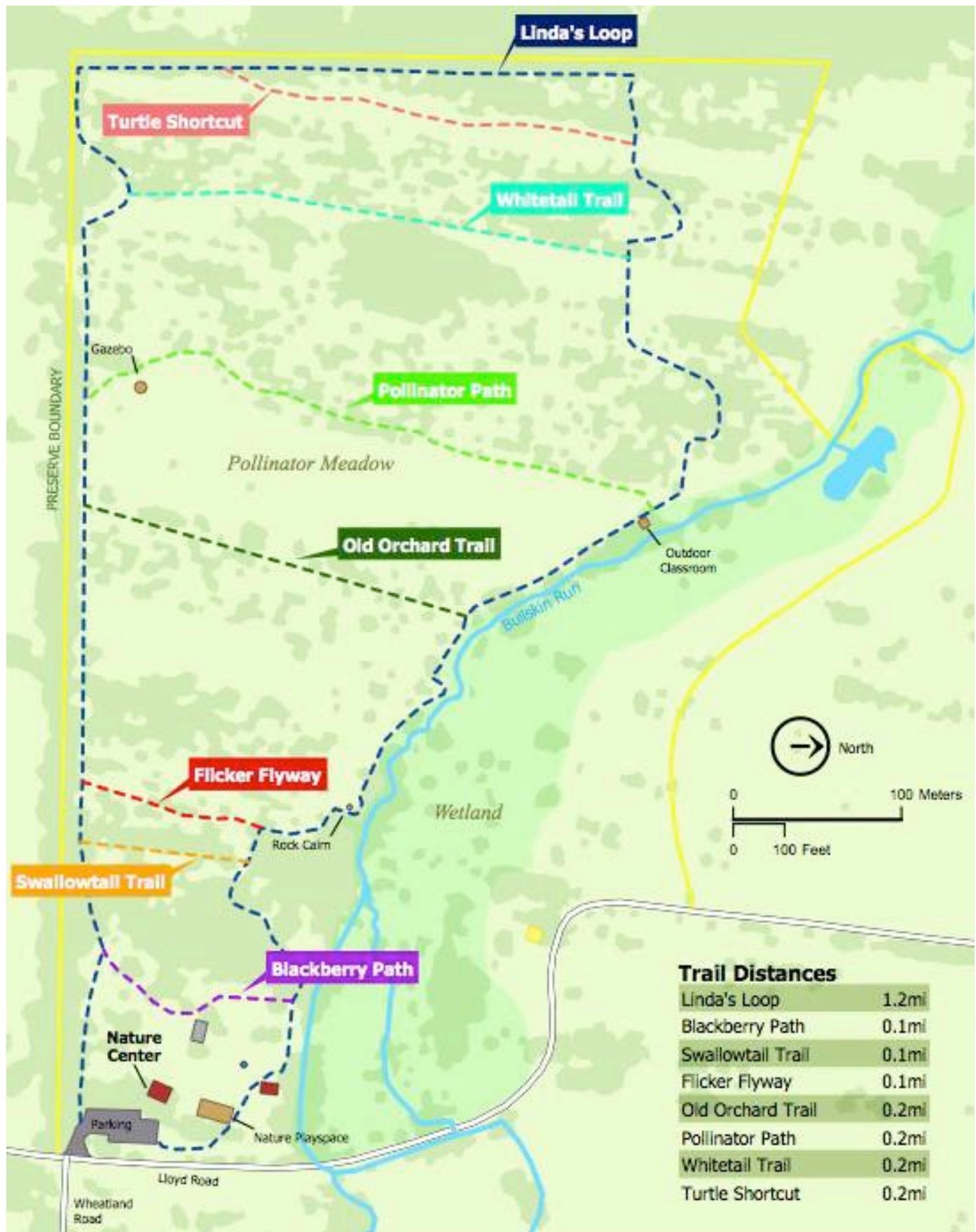
Cool Spring * Yankauer * Eidolon * Stauffer's Marsh



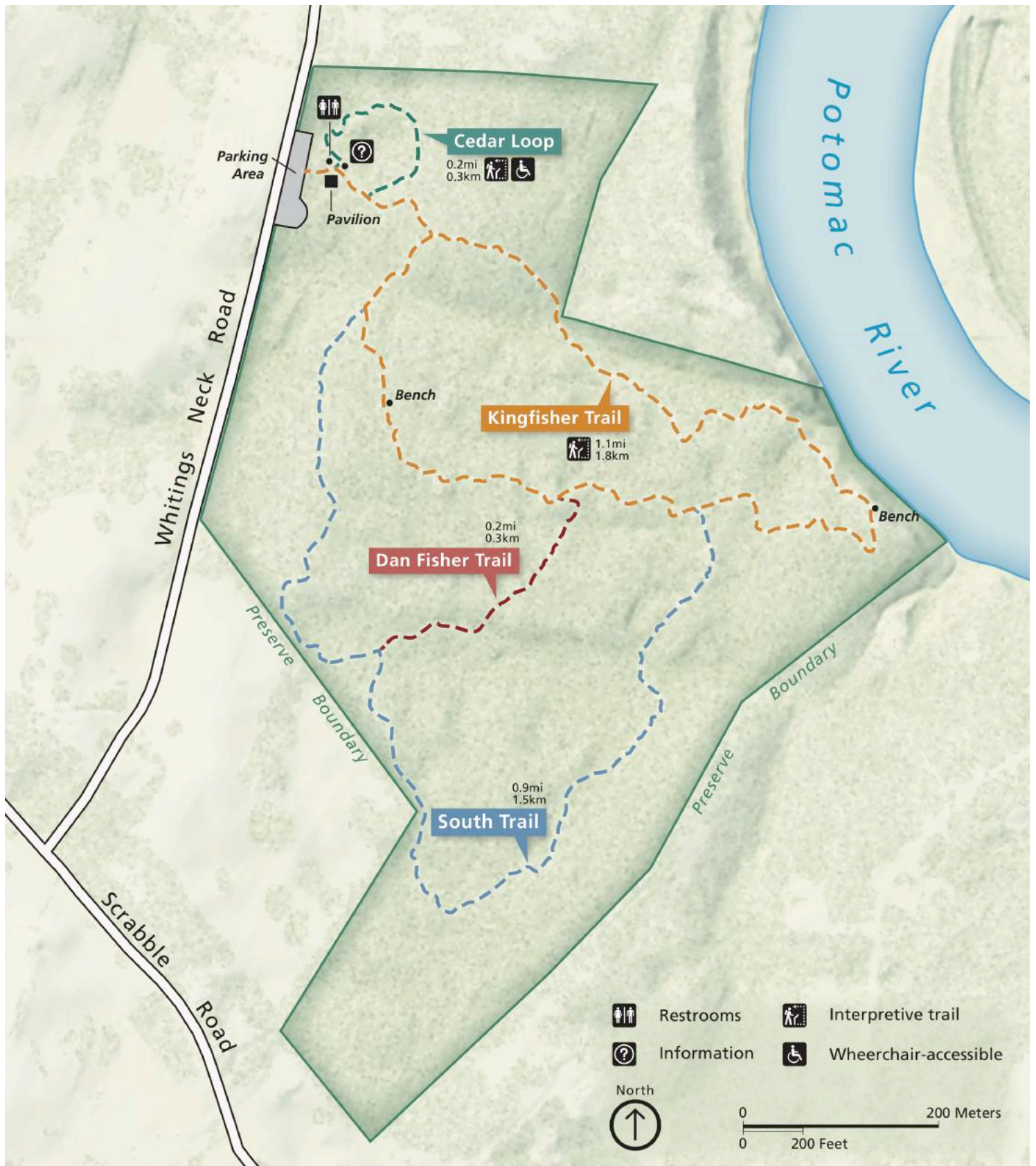
Growth Habit: Warm season grass, appears in May/June, dies out in September/October. Found everywhere.

Attack Method: Easy to hand pull. Mow in late August prior to seed production.

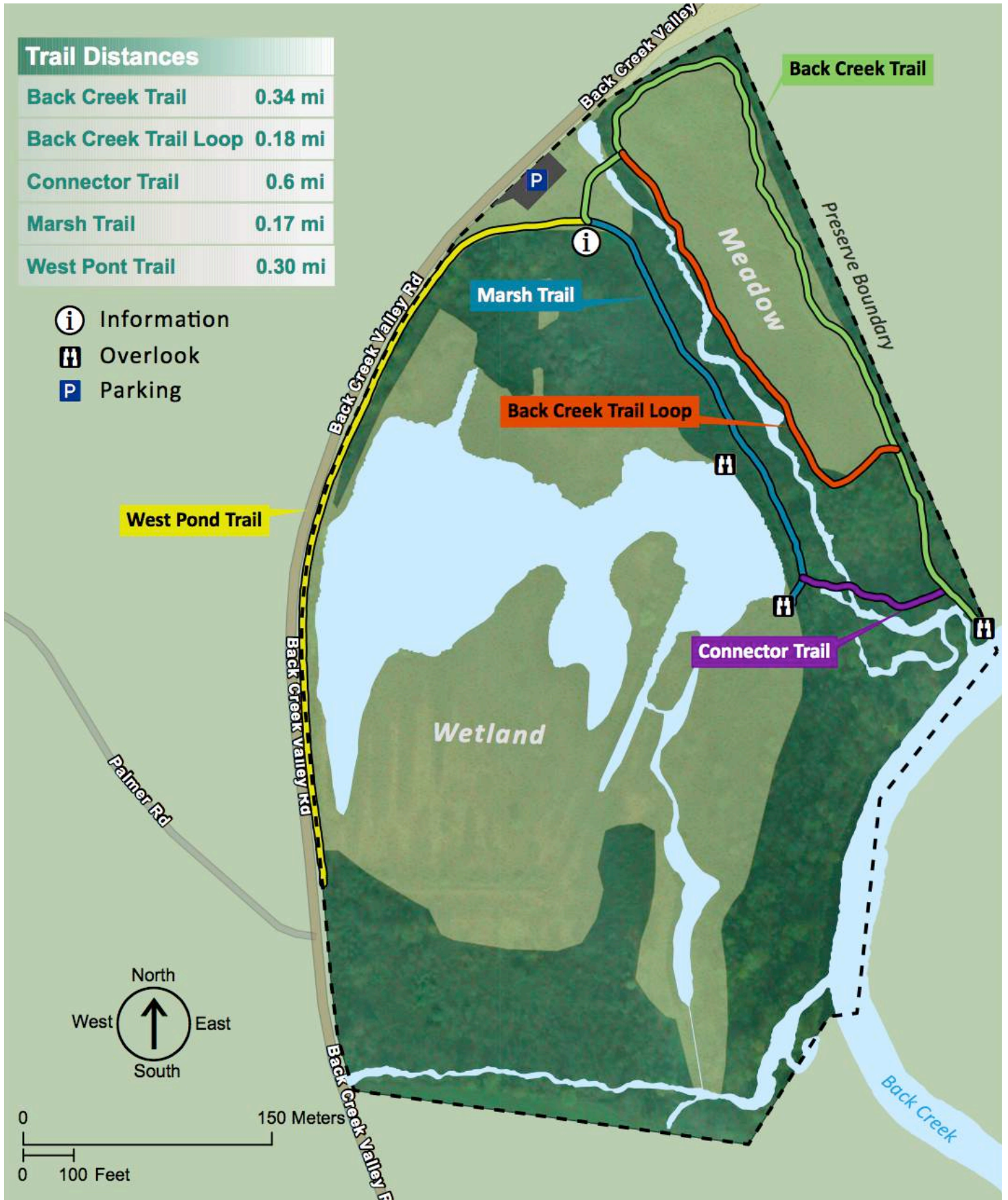
Cool Spring



Yankauer



Stauffer's Marsh



Eidolon

