

# Marais Temps Clair

July 22, 2024

	BOTANICAL NAME (with genus pronunciation)	FAMILY [CC] = <a href="#">Coefficient of Conservatism</a>	COMMON NAME
<input type="checkbox"/>	<a href="#"><i>Abutilon theophrasti</i></a> () (uh-BOO-till-lonn)	Malvaceae [intro]	Velvetleaf
<input type="checkbox"/>	<a href="#"><i>Acalypha ostryifolia</i></a> (ack-uh-LY-fuh)	Euphorbiaceae [CC1]	Hop-Hornbeam Copperleaf
<input type="checkbox"/>	<a href="#"><i>Alisma triviale</i></a> () (uh-LISS-muh)	Alismataceae / Alismatales order [CC5]	Northern Water Plantain
<input type="checkbox"/>	<a href="#"><i>Amaranthus tuberculatus</i></a> () (am-r-ANN-thus)	Amaranthaceae [CC0]	Roughfruit Amaranth / Tall Waterhemp /
<input type="checkbox"/>	<a href="#"><i>Ambrosia artemisiifolia</i></a> (am-BRO-see-uh)	Asteraceae (Heliantheae tribe) [CC0]	Ragweed
<input type="checkbox"/>	<a href="#"><i>Ambrosia trifida</i></a> (am-BRO-see-uh)	Asteraceae (Heliantheae tribe) [CC0]	Giant Ragweed
<input type="checkbox"/>	<a href="#"><i>Ammannia coccinea</i></a> () (uh-MANN-ee-uh)	Lythraceae [CC6]	Scarlet Toothcup
<input type="checkbox"/>	<a href="#"><i>Ampelopsis cordata</i></a> (am-pel-OP-sis)	Vitaceae [CC3]	Raccoon Grape / Heartleaf Peppervine
<input type="checkbox"/>	<a href="#"><i>Anemone canadensis</i></a> (uh-NEMM-o-nee)	Ranunculaceae [CC6]	Canada Anemone
<input type="checkbox"/>	<a href="#"><i>Apocynum cannabinum</i></a> (uh-POSS-i-num)	Apocynaceae [CC3]	Dogbane
<input type="checkbox"/>	<a href="#"><i>Artemisia annua</i></a> (ar-teh-MEE-zhee-uh)	Asteraceae (Anthemideae tribe) [intro]	Sweet Annie
<input type="checkbox"/>	<a href="#"><i>Asclepias incarnata</i></a> (uh-SKLEE-pee-us)	Apocynaceae [CC4]	Swamp Milkweed
<input type="checkbox"/>	<a href="#"><i>Asclepias syriaca</i></a> (uh-SKLEE-pee-us)	Apocynaceae [CC0]	Common Milkweed
<input type="checkbox"/>	<a href="#"><i>Astragalus canadensis</i></a> (uh-STRAGG-uh-luss)	Fabaceae (Faboideae subfamily) [CC6]	Canada Milkvetch
<input type="checkbox"/>	<a href="#"><i>Boltonia asteroides</i></a> (bol-TOH-nee-uh)	Asteraceae (Astereae tribe) [CC4]	Doll's Daisy
<input type="checkbox"/>	<a href="#"><i>Calystegia sepium</i></a> (kal-leh-STEE-jee-uh)	Convolvulaceae [CC1]	Hedge Bindweed
<input type="checkbox"/>	<a href="#"><i>Cardiospermum halicacabum</i></a> (kar-dee-o-SPER-mum)	Sapindaceae [intro]	Balloon Vine
<input type="checkbox"/>	<a href="#"><i>Cephalanthus occidentalis</i></a> (seff-uh-LANN-thus)	Rubiaceae [CC3]	Buttonbush
<input type="checkbox"/>	<a href="#"><i>Chamaecrista fasciculata</i></a> (kam-ee-KRISS-tuh)	Fabaceae (Caesalpinioideae subfam) [CC2]	Partridge Pea
<input type="checkbox"/>	<a href="#"><i>Cichorium intybus</i></a> (sick-KOR-ee-um)	Asteraceae (Cichorieae tribe) [intro]	Chicory
<input type="checkbox"/>	<a href="#"><i>Cirsium discolor</i></a> (SR-see-um)	Asteraceae (Cardueae tribe) [CC3]	Field Thistle
<input type="checkbox"/>	<a href="#"><i>Cynanchum laeve</i></a> (sy-NANN-kum)	Apocynaceae [CC0]	Honeyvine Milkweed
<input type="checkbox"/>	<a href="#"><i>Cyperus esculentus</i></a> (SY-pr-us)	Cyperaceae [CC0]	Yellow Nutsedge
<input type="checkbox"/>	<a href="#"><i>Desmanthus illinoensis</i></a> (dez-MAN-thus)	Fabaceae (Caesalpinioideae subfam) [CC3]	Illinois Bundleflower
<input type="checkbox"/>	<a href="#"><i>Desmodium canadense</i></a> (dez-MO-dee-um)	Fabaceae (Faboideae subfamily) [CC5]	Hoary Ticktrefoil
<input type="checkbox"/>	<a href="#"><i>Desmodium glabellum</i></a> (dez-MO-dee-um)	Fabaceae (Faboideae subfamily) [CC3]	Tall Tick-Trefoil / Dillenius' Tick-Trefoil /
<input type="checkbox"/>	<a href="#"><i>Digitaria sanguinalis</i></a> (di-jit-TAYR-ee-uh)	Poaceae (Panicoideae subfamily) [intro]	Hairy Crabgrass
<input type="checkbox"/>	<a href="#"><i>Echinochloa crus-galli</i></a> (eh-KEE-no-KLO-uh)	Poaceae (Panicoideae subfamily) [intro]	Barnyard Grass
<input type="checkbox"/>	<a href="#"><i>Elymus virginicus</i></a> (ELL-uh-muss)	Poaceae (Pooideae subfamily) [CC5]	Virginia Wild Rye

<input type="checkbox"/>	<a href="#"><u><i>Erigeron annuus</i></u></a> (er-RIJ-er-on)	Asteraceae (Astereae tribe) [CC1]	Annual Fleabane
<input type="checkbox"/>	<a href="#"><u><i>Erigeron canadensis</i></u></a> [Conyza] (er-RIJ-er-on)	Asteraceae (Astereae tribe) [CC0]	Horseweed
<input type="checkbox"/>	<a href="#"><u><i>Erigeron strigosus</i></u></a> (er-RIJ-er-on)	Asteraceae (Astereae tribe) [CC3]	Daisy Fleabane
<input type="checkbox"/>	<a href="#"><u><i>Eupatorium altissimum</i></u></a> (yoo-puh-TOR-ee-um)	Asteraceae (Eupatorieae tribe) [CC3]	Tall Boneset
<input type="checkbox"/>	<a href="#"><u><i>Euphorbia dentata</i></u></a> (yoo-FOR-bee-uh)	Euphorbiaceae [CC0]	Toothed Spurge / Green Poinsettia
<input type="checkbox"/>	<a href="#"><u><i>Euphorbia maculata</i></u></a> (yoo-FOR-bee-uh)	Euphorbiaceae [CC0]	Spotted Spurge
<input type="checkbox"/>	<a href="#"><u><i>Euphorbia nutans</i></u></a> (yoo-FOR-bee-uh)	Euphorbiaceae [CC0]	Nodding Spurge
<input type="checkbox"/>	<a href="#"><u><i>Euphorbia prostata</i></u></a> (yoo-FOR-bee-uh)	Euphorbiaceae [intro]	Prostrate Spurge
<input type="checkbox"/>	<a href="#"><u><i>Fallopia convolvulus</i></u></a> (fuh-LO-pee-uh)	Polygonaceae [intro]	Black Bindweed
<input type="checkbox"/>	<a href="#"><u><i>Fallopia scandens</i></u></a> (fuh-LO-pee-uh)	Polygonaceae [CC3]	Climbing False Buckwheat
<input type="checkbox"/>	<a href="#"><u><i>Geum canadense</i></u></a> (JEE-um)	Rosaceae [CC2]	White Avens
<input type="checkbox"/>	<a href="#"><u><i>Helianthus annuus</i></u></a> () (hee-lee-ANN-thus)	Asteraceae (Heliantheae tribe) [CC0]	Common Sunflower
<input type="checkbox"/>	<a href="#"><u><i>Hibiscus lasiocarpus</i></u></a> (hy-BISS-kuss)	Malvaceae [CC5]	Hairy-Fruited Rose Mallow
<input type="checkbox"/>	<a href="#"><u><i>Hibiscus trionum</i></u></a> (hy-BISS-kuss)	Malvaceae [intro]	Flower-of-an-Hour
<input type="checkbox"/>	<a href="#"><u><i>Ipomoea lacunosa</i></u></a> (eye-po-MEE-uh)	Convolvulaceae [CC1]	Small White Morning Glory
<input type="checkbox"/>	<a href="#"><u><i>Iva annua</i></u></a> (EYE-vuh)	Asteraceae (Heliantheae tribe) [CC1]	Sumpweed
<input type="checkbox"/>	<a href="#"><u><i>Lactuca canadensis</i></u></a> (lack-TOO-kuh)	Asteraceae (Cichorieae tribe) [CC3]	Canada Wild Lettuce
<input type="checkbox"/>	<a href="#"><u><i>Lactuca serriola</i></u></a> (lack-TOO-kuh)	Asteraceae (Cichorieae tribe) [intro]	Prickly Lettuce
<input type="checkbox"/>	<a href="#"><u><i>Leersia oryzoides</i></u></a> (LEER-see-uh)	Poaceae [CC3]	Rice Cutgrass
<input type="checkbox"/>	<a href="#"><u><i>Lepidium virginicum</i></u></a> (leh-PIDD-ee-um)	Brassicaceae [CC0]	Virginia Pepperweed
<input type="checkbox"/>	<a href="#"><u><i>Lindernia dubia</i></u></a> () (lin-DR-nee-uh)	Linderniaceae [CC4]	False Pimpernel
<input type="checkbox"/>	<a href="#"><u><i>Lotus corniculatus</i></u></a> (LO-tuss)	Fabaceae (Faboideae subfamily) [intro]	Birdsfoot Trefoil
<input type="checkbox"/>	<a href="#"><u><i>Ludwigia peploides</i></u></a> (lood-WIG-ee-uh)	Onagraceae [CC3]	Floating Primrose-Willow
<input type="checkbox"/>	<a href="#"><u><i>Lycopus americanus</i></u></a> (ly-KO-pus)	Lamiaceae (Nepetoideae subfamily) [CC4]	American Bugleweed
<input type="checkbox"/>	<a href="#"><u><i>Lythrum alatum</i></u></a> (LITH-rum)	Lythraceae [CC6]	Winged Loosestrife
<input type="checkbox"/>	<a href="#"><u><i>Medicago lupulina</i></u></a> (med-ih-KAY-go)	Fabaceae (Faboideae subfamily) [intro]	Black Medick
<input type="checkbox"/>	<a href="#"><u><i>Melilotus officinalis</i></u></a> (mell-ih-LOH-tus / o-fish-eh-NAY-leez)	Fabaceae [intro]	Yellow Sweet Clover
<input type="checkbox"/>	<a href="#"><u><i>Nelumbo lutea</i></u></a> () (neh-LOOM-bo)	Nelumbonaceae [CC6]	Yellow Lotus
<input type="checkbox"/>	<a href="#"><u><i>Oxalis stricta</i></u></a> (oks-AL-iss)	Oxalidaceae [CC0]	Yellow Wood-Sorrel / Upright Yellow Wood-Sorrel
<input type="checkbox"/>	<a href="#"><u><i>Panicum virgatum</i></u></a> (PANN-i-kum)	Poaceae (Panicoideae subfamily) [CC4]	Switchgrass
<input type="checkbox"/>	<a href="#"><u><i>Paspalum pubiflorum</i></u></a> (PASS-puh-lum)	Poaceae (Panicoideae subfamily) [CC3]	Hairyseed Paspalum / Hairyseed Beadgrass
<input type="checkbox"/>	<a href="#"><u><i>Persicaria amphibia</i></u></a> (pr-seh-KAYR-ee-uh)	Polygonaceae [CC5 or 8]	Water Smartweed
<input type="checkbox"/>	<a href="#"><u><i>Persicaria hydropiperoides</i></u></a> (pr-seh-KAYR-ee-uh)	Polygonaceae [CC4]	Swamp Smartweed

<input type="checkbox"/>	<a href="#"><u><i>Persicaria lapathifolia</i></u></a> (pr-seh-KAYR-ee-uh)	Polygonaceae [CC0]	Pale Smartweed / Nodding Smartweed
<input type="checkbox"/>	<a href="#"><u><i>Phyla lanceolata</i></u></a> (Lippia) (FY-luh)	Verbenaceae [CC3]	Frog Fruit
<input type="checkbox"/>	<a href="#"><u><i>Physalis longifolia</i></u></a> (FISS-uh-liss)	Solanaceae [CC2]	Wild Tomatillo / Groundcherry
<input type="checkbox"/>	<a href="#"><u><i>Phytolacca americana</i></u></a> (fy-toh-LACK-uh)	Phytolaccaceae [CC2]	Pokeweed
<input type="checkbox"/>	<a href="#"><u><i>Plantago rugelii</i></u></a> (plan-TAY-go)	Plantaginaceae [CC0]	Rugel's Plantain
<input type="checkbox"/>	<a href="#"><u><i>Polygonum aviculare</i></u></a> (po-LIGG-o-num)	Polygonaceae [intro]	Prostrate Knotweed
<input type="checkbox"/>	<a href="#"><u><i>Populus deltoides</i></u></a> (POP-yoo-lus)	Salicaceae [CC2]	Eastern Cottonwood
<input type="checkbox"/>	<a href="#"><u><i>Potentilla norvegica</i></u></a> (po-ten-TILL-uh)	Rosaceae [CC0]	Rough Cinquefoil
<input type="checkbox"/>	<a href="#"><u><i>Rumex crispus</i></u></a> (ROO-mex)	Polygonaceae [intro]	Curly Dock
<input type="checkbox"/>	<a href="#"><u><i>Sagittaria latifolia</i></u></a> () (sa-jit-TAYR-ee-uh)	Alismataceae [CC4]	Broadleaf Arrowhead / Duck Potato
<input type="checkbox"/>	<a href="#"><u><i>Salix interior</i></u></a> (SAY-licks)	Salicaceae [CC3]	Sandbar Willow
<input type="checkbox"/>	<a href="#"><u><i>Salix nigra</i></u></a> (SAY-licks)	Salicaceae [CC3]	Black Willow
<input type="checkbox"/>	<a href="#"><u><i>Scrophularia marilandica</i></u></a> (skro-foo-LAYR-ee-uh)	Scrophulariaceae [CC3]	Figwort
<input type="checkbox"/>	<a href="#"><u><i>Senna marilandica</i></u></a> (SENN-uh)	Fabaceae (Caesalpinioideae subfam) [CC4]	Maryland Senna
<input type="checkbox"/>	<a href="#"><u><i>Setaria faberi</i></u></a> (set-TAYR-ee-uh)	Poaceae (Panicoideae subfamily) [intro]	Giant Foxtail
<input type="checkbox"/>	<a href="#"><u><i>Setaria pumila</i></u></a> (seh-TAYR-ee-uh)	Poaceae (Panicoideae subfamily) [intro]	Yellow Foxtail
<input type="checkbox"/>	<a href="#"><u><i>Setaria viridis</i></u></a> (seh-TAYR-ee-uh)	Poaceae (Panicoideae subfamily) [intro]	Green Foxtail
<input type="checkbox"/>	<a href="#"><u><i>Sida spinosa</i></u></a> () (SY-duh)	Malvaceae [intro]	Prickly Sida / Prickly Fanpetals /
<input type="checkbox"/>	<a href="#"><u><i>Sium suave</i></u></a> (SY-um)	Apiaceae [CC6]	Water Parsnip
<input type="checkbox"/>	<a href="#"><u><i>Solanum carolinense</i></u></a> (so-LAY-num)	Solanaceae [CC0]	Carolina Horsenettle / Evil Tomato
<input type="checkbox"/>	<a href="#"><u><i>Stachys pilosa</i></u></a> (STAY-keez)	Lamiaceae (Lamioideae subfamily) [C6]	Hairy Hedge-Nettle
<input type="checkbox"/>	<a href="#"><u><i>Stachys tenuifolia</i></u></a> (STAY-kees)	Lamiaceae (Lamioideae subfamily) [CC4]	Hedge-Nettle
<input type="checkbox"/>	<a href="#"><u><i>Strophostyles helvola</i></u></a> (stro-fo-STY-leez)	Fabaceae (Faboideae subfamily) [CC2]	Trailing Fuzzybean
<input type="checkbox"/>	<a href="#"><u><i>Symphotrichum pilosum</i></u></a> (SIMM-fee-o-TRY-kum)	Asteraceae (Astereae tribe) [CC0]	Hairy Aster, Frost Aster, Awl Aster
<input type="checkbox"/>	<a href="#"><u><i>Teucrium canadense</i></u></a> (TOO-kree-um)	Lamiaceae (Ajugoideae subfamily) [CC2]	Germander
<input type="checkbox"/>	<a href="#"><u><i>Torilis arvensis</i></u></a> (tor-RILL-iss)	Apiaceae [intro]	Hedge Parsley
<input type="checkbox"/>	<a href="#"><u><i>Toxicodendron radicans</i></u></a> (TOCK-see-ko-DEN-dron)	Anacardiaceae [CC1]	Poison Ivy
<input type="checkbox"/>	<a href="#"><u><i>Trifolium pratense</i></u></a> (try-FOH-lee-um)	Fabaceae (Faboideae subfamily) [intro]	Red Clover
<input type="checkbox"/>	<a href="#"><u><i>Trifolium repens</i></u></a> (try-FOH-lee-um)	Fabaceae (Faboideae subfamily) [intro]	White Clover
<input type="checkbox"/>	<a href="#"><u><i>Verbena hastata</i></u></a> (vr-BEE-nuh)	Verbenaceae [CC4]	Blue Verbena
<input type="checkbox"/>	<a href="#"><u><i>Verbena urticifolia</i></u></a> (vr-BEE-nuh)	Verbenaceae [CC2]	White Verbena
<input type="checkbox"/>	<a href="#"><u><i>Xanthium strumarium</i></u></a> (ZANN-thee-um)	Asteraceae (Heliantheae tribe) [CC0]	Cocklebur

## NOTES

### WHERE WE WALKED:

We met at a parking area on Island Road (38.893583, -90.415528) under a huge River Birch. From there we crossed Island Road and walked northwestward on a levee road between several pools, stepping off of the levee here and there to better explore the marsh plants. At the end of the road we rested in the shade of a lone cottonwood tree before retracing our steps back to the cars. June clocked our total distance at 1.3 miles.

### AN IMPORTANT PLACE:

At 918 acres, *Marais Temp Clair* is a significant habitat within a floodplain. John explained that the meandering Missouri River used to actually flow over it a few hundred years ago. The Audubon Society's [WEBPAGE](#) states that 231 bird species have been found here! Although it's not as botanically diverse as it could be, when we stepped down from the levee to explore the marsh we found a mix of plants that we usually don't see elsewhere. It was a different experience that we all very much enjoyed.

### STEVE & RUTH:

Everybody was excited to see **Steve and Ruth** again. For those of you who are new, Ruth Tenbrink is a respected naturalist. Her partner, Steve Turner, maintains the vitally important "[MissouriPlants.com](#)" website. Our weekly reports (like the one you are reading now) probably wouldn't even exist without his work. Whenever you click on a species name, you're very likely to end-up at Steve's "MissouriPlants.com" website where you can see vivid photos of the plant and read about its life-cycle. It's an indispensable resource which continues to grow and continues to deepen our understanding of Missouri plants.

### HIBISCUS:

We saw countless "**Hairy-Fruited Rosemallows**" all around us. These huge, red-throated flowers are magnificent. Most were white, but some were pink. Although our A.I. phone apps identify the pink flowers as *Hibiscus moscheutos*, George explained that they're probably just color variations of the white *Hibiscus lasiocarpus*. To be a true *Hibiscus moscheutos* you'll need more than just a flush of pink in your cheeks. You'll need to go on a diet and get rid of some of that hair on your leaves and especially on your fruit capsules.

According to the [BONAP](#) maps, St. Louis has 5 species of *Hibiscus* (list [HERE](#)). They all proudly show-off their "monadelphous" (one brother) stamen structure – the trademark of the friendly Mallow Family (Malvaceae). Some in our group actually found a second *Hibiscus* flower, the small but beautiful "Flower of an Hour" (*Hibiscus trionum*). They must have timed it just right.

### BALLOONS EVERYWHERE:

Speaking of convergent evolution (which we will) we found 2 very different plants that produce a similar fruit structure. *Physalis longifolium* produces a tomatillo-like fruit enveloped by a puffy Chinese-Lantern. A very similar puffy fruit capsule is produced by the fun-to-say "*Cardiospermum halicacabum*" (Balloon Vine). In all the natural areas we visit, we almost never find Balloon-Vines. Yet here they were, climbing all over the place, including over the Chinese-Lantern plants (which we don't see much of either)!

Now here comes the "convergent evolution" part: the Chinese-Lantern plant is in the tomato family (Solanaceae) and Balloon-Vine is – of all places – in the maple tree family (Sapindaceae). They both make similar puffy fruit capsules, but the Solanaceae (an Asterid) and the Sapindaceae (a Rosid) are nowhere near each other on the phylogenetic tree of life.

### THE AVOIDED NAME:

Why was this important Conservation Area given the brain-freeze name "*Marais Temps Clair*"? Although at the very beginning of our walk John kindly pronounced the French name for us (mar-RAY tom clair), none of us even once repeated it. It's funny (and rather endearing) that we're all so afraid of appearing uneducated. "*Marais Temps Clair*" translates to "Clear Weather Marsh" but it might as well translate to "Don't Come Here". Did you notice that we seemed to be its only visitors on Monday? (I sent an email to the Conservation Department, suggesting that they rename Marais Temps Clair to something more inviting, such as the "Oxbow Wetlands", or the "Ten Pools", or the "Levee Trails", but for some strange reason they never wrote back.)

## SHORT OBSERVATIONS:

- We found 2 plants growing here that from a distance look rather similar. One is **Tall Goldenrod** (*Solidago altissima*). The other is **Horseweed** (*Erigeron canadensis*). Erigeron (early + old man) is also the genus of our Fleabanes. Horseweed is a clever old man. June mentioned that he was the first plant to develop a resistance to glyphosate.
- Steve found a **Climbing Buckwheat** vine. At first he probably assumed that it was our native *Fallopia scandens*. But upon examining it he realized that it was the non-native *Fallopia convolvulus*. Not knowing whether or not it had yet been reported for this county (St. Charles), he took a sample to create a voucher to submit to the Missouri Botanical Garden. It was exciting for us to watch the process. Although probably not a big deal for him, we felt like we were a part of history-in-the-making.
- We found both **Partridge Pea** (*Chamaecrista fasciculata*) and **Maryland Senna** (*Senna marilandica*). John showed us the extrafloral nectaries on their leaf petioles. Both of these plants are in the **Caesalpinioideae** subfamily of the Bean Family. Extra-floral nectaries are a feature of this subfamily. In St. Louis we have 6 members of this subfamily. Besides our Partridge Peas (we have 2 species) and the Maryland Senna, we have the “Redbud”, the “Kentucky Coffeetree”, and the “Honey Locust” that belong in the Caesalpinioideae subfamily. Maybe we can find extrafloral nectaries on these plants too!
- We saw both **Frogfruit** (*Phyla lanceolata*) and **Blue Vervain** (*Verbena hastata*). They look so different from each other that it’s hard to believe they’re in the same family (Verbenaceae). It’s just the opposite with the **Hedge Nettle** (*Stachys*) and **Germander** (*Teucrium*) that we found. They look so nearly identical that it’s hard to believe they’re not even in the same genus.
- We saw a couple of smartweeds that we don’t often see on our weekly walks. The white flower spikes of the **Swamp Smartweed** (*Persicaria hydropiperoides*) were plentiful. However the reddish flower spikes of the **Water Smartweed** (*Persicaria amphibia*) were hard to find. The plants were everywhere, but almost none of them were in flower. The one or two *Persicaria amphibia* flower spikes that we did find were striking. Of all our St. Louis smartweeds (we have 10 *Persicaria* species – list [HERE](#)) this Water Smartweed might have the prettiest inflorescence. However it loses a few points because the plant itself is rather weedy-looking. Yes it may get an extra point or two in the “interesting” department because it has “heterostylous” flowers (some flowers with long styles, others with long stamens), but it’s probably not enough to win it a place in the flower garden.

## PARTICIPANTS:

There were 14 of us botanists today, who are (in alphabetical order):

Brenda Adams, Kathy Bildner, Jerry Castillon, Wayne Clark, June Jeffries, Michael Laschober, Pat Lynn, John Oliver, Anne Rankin, David Steinmeyer, Kathy Thiele, Ruth Tenbrink, Steve Turner, and Laura Yates.