

Guerrilla Accessibility

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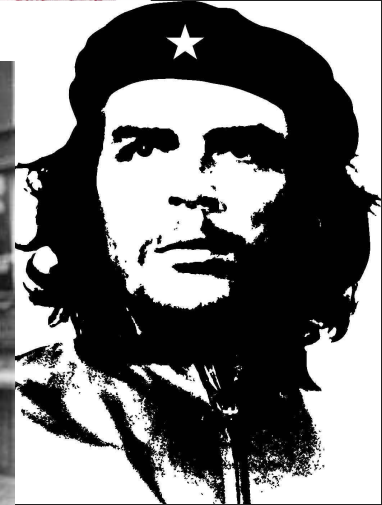
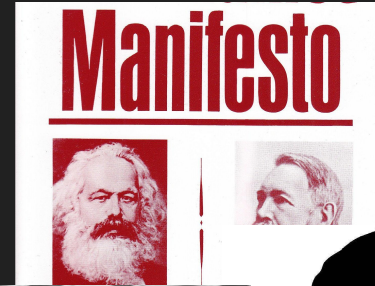
MO Department of Conservation



Guerrilla Accessibility

You need two things:

- An ideology
- Guerrillas



About Me

- I started working on government web in 1996
- I embrace standards.
- I have friends and family who are blind, deaf, autistic, color-blind, and paralyzed.
- I can also talk about bicycles and bourbon.

Quick Survey

Everybody has a disability... or will.



Missouri stats

155,300 blind Missourians in 2014

81% age 35 or older

100,000 Missourians are deaf or hard-of-hearing

In 2013, 838,300, or 14%, of Missourians classified themselves as “disabled”

34% of them are employed.

Your sites need to be accessible

- But it's hard.
- I'm not sure how.
- My boss won't let me.
- My developers don't understand.
- It limits my design decisions.

How accessible do I need to be?

Back-end Drupal user interface

- Drupal 7 is sort of accessible.
- Drupal 8 is better.

Is my custom code accessible?

Is my display accessible?

Is my content accessible?

Ideology: This is for everyone.

- We know about accessibility.
- We believe in it.
- We know it makes the internet better.
- We think everyone should do it.
- We need to change hearts and minds.

This is for everyone

Accessible design is good design. Everything we build should be as inclusive, legible and readable as possible. If we have to sacrifice elegance — so be it. We're building for needs, not audiences. We're designing for the whole country, not just the ones who are used to using the web. The people who most need our services are often the people who find them hardest to use. Let's think about those people from the start.

<https://www.gov.uk/design-principles>



But changing hearts and minds is hard....

Guerrillas

guer·ril·la

gəˈrilə/

Noun: a member of a small independent group taking part in irregular fighting, typically against larger regular forces.

Adjective: referring to actions or activities performed in an impromptu way, often without authorization.

508 and WCAG 2.0 AA

The usual reasons:

- It's the right thing to do.
- It increases SEO.
- It's the law (if you contract with the state or feds).
- Use WCAG 2.0; That's what 508 will turn into.

508: Section 508 of the Rehabilitation Act of 1973

WCAG: Web Content Accessibility Guidelines

POUR

- Perceivable
- Operable
- Understandable
- Robust

Perceivable

- Alt-text for all images
- Form elements labeled
- Semantic markup (no naked div tags)
- Tables are for data
- 4.5:1 color contrast
- No pictures of text
- Close-captions for video

Operable

- Navigate by keyboard
- No keyboard traps
- No content flashes more than 3 times/second
- Skip Nav link
- Contextual links
- Meaningful headings


Understandable

- Identify page language `<html lang="en">`
- Reading level
- Predictable behavior
- Error identification (intuitive form validation)

Robust

- Valid code
- Future-proof

Wave results


**WAVE**
web accessibility evaluation tool














Styles No Styles Contrast


Details




Filter: WCAG 2.0 AA


☒ **Errors (25)**



☒ 15 X Linked image missing alternative text 







☒ 3 X Multiple form labels 






☒ 2 X Empty heading 




☒ 3 X Empty button 





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FISHING REPORTS




 "bass fishing" 



Read the Latest Fishing Report




The weekly fishing report is updated every Thursday from the start of April to the end of September.

HIKING



 "Hiking" 

Go Hiking



Our conservation areas have miles of hiking and multi-use trails. Go to your favorite area and explore.

Design

- Mark up wireframes with appropriate tags.
- Check color contrast.
- Review the site in dev. Find problems early.
- Build accessibility reviews into the timeline.

Limit content contributor options

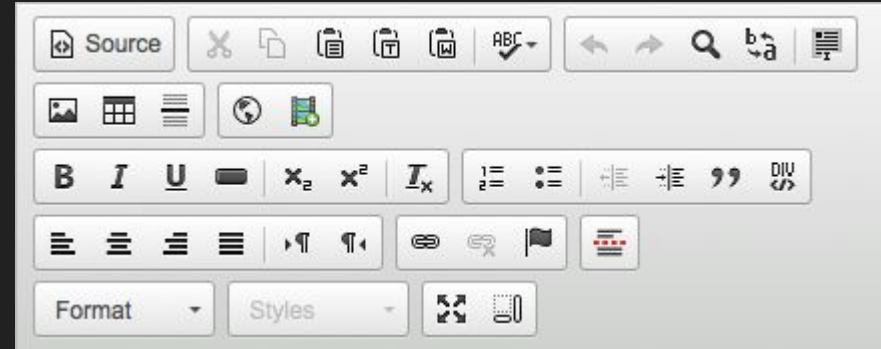
Titles become H1.

Edit CKEditor to restrict options.

Do This



Not That



Chunk Your Content

Break content types up into small pieces.

Content Structure Appearance People Modules Configuration Misc Atlas Y

Habitat and conservation

• Lines and paragraphs break automatically.

Foods

• Lines and paragraphs break automatically.

Status

• Lines and paragraphs break automatically.

Distribution in Missouri

Map Image

Browse

Add an image to be displayed in the node. Once you have uploaded the image, add Alt text to be used when describing the image. You can also choose to use an existing image by clicking on the image icon in the top right corner of the image field. When uploading the image versus using an existing image - make sure and fill out all the fields as this will

HABITAT AND CONSERVATION

Though most often seen around nectar feeders and in parks and forests and forest edges, near streams and in other wooded places of spider webbing, lichen and other plant material, and lined with birdhouses, the species is doing well throughout its range and is not in need of any special conservation. The greatest threats may be from cats hunting near nectar feeders and windows.

FOODS

Early-spring arrivals eat sap oozing from sapsucker-drilled holes in trees. As the season progresses, they switch to eating nectar from many different kinds of flowers. Diets of adults, which are high in protein, are fed to the growing young. Sometimes these insects are also fed to the young.



DISTRIBUTION IN MISSOURI
Statewide.

STATUS

Common migrant and summer resident.

Document and Train

- Document content entry
- Document coding standards
- Train the devs/users
- Train them again
- OMG, you just got a bunch of new developers! Train again!

Changing hearts and minds

Empathy initiative:

- Bring in an accessible technology user
- Show how AT works
- Use examples from your agency
- Put a face on accessibility

Meet Gretchen



Empathy Strategy

Three-part presentation:

- How a blind person uses a computer and browser.
- How PDFs are generally awful.
- How participants can make improvements right now.

Tailored to the audience

- Content contributors
- Developers
- App developers



Total nerd credentials

Relevant Examples

- Demonstrate a screen reader
- Demonstrate web pages, PDFs, and Word docs, using examples from our agency
- Give users 4 take-away tips for improving Word accessibility **immediately**.

RUBY-THROATED HUMMINGBIRD
Archilochus colubris

Family: Trochilidae (hummingbirds) in the order Apodiformes

Description: Tiny bird with a long needlelike bill, hovers, flies forward and backward with a humming sound. Males: metallic green upperparts; red throat that flashes ruby red in the light but otherwise may look black; underparts whitish with dull green flanks; tail black and deeply forked. Females: metallic green upperparts; whitish underparts; sides pale buff; tail green at base, black in middle, with the three outer tail feathers white-tipped. Makes a variety of "chops," "squeals" and "bitters."

Similar species: Rufous hummingbird (*Selasphorus rufus*) is a casual migrant frequently observed in the western half of Missouri July through November. Male has rufous upperparts, greenish head, and black tips on the tail feathers; underparts are white. Female and immatures are metallic green above, throat spotted with brown and orange-red, tail rufous at base and tipped with white. Anna's hummingbird and a few other western species sometimes migrate through Missouri, too.

Size: Length: 3½ inches (tip of bill to tip of tail).



Ruby-throated hummingbird in flight

[More Birds](#)

SOUTHWEST MISSOURI
Nature Connections

News and Events from the Missouri Department of Conservation • July/August 2016

Hydrilla



Stopping gars, waterfowl, and other wildlife. Hydrilla can also impact waterfowl and wildlife. Hydrilla is a fast plant to grow and spread. That puts a heavy strain on other aquatic plants. Hydrilla is a fast plant to grow and spread. That puts a heavy strain on other aquatic plants. Hydrilla is a fast plant to grow and spread. That puts a heavy strain on other aquatic plants.

Stop The Invasion

Hydrilla (Hydrilla verticillata) is a federally listed invasive weed that can be detrimental to our aquatic resources. It is native to the Indian subcontinent and was introduced to the United States in the early 1930s through the aquarium trade. Hydrilla was first documented in Missouri in 2012 in a private pond in Greene County. It has since spread to other parts of the state, including the Missouri River.

Missouri Outdoor Recreational Access Program
Land Enrollment Frequently Asked Questions

General Program Information

Q: What is the Missouri Outdoor Recreational Access Program (MRAP)?

A: MRAP is a voluntary program that offers private landowners annual incentive payments for opening their land to public access for outdoor recreational activities such as hunting, fishing and wildlife viewing.

Q: How did MRAP get started?

A: The Missouri Department of Conservation (MDC) received a three-year grant for \$1.1 million from the U.S. Department of Agriculture as part of the 2014 Farm Bill, through the Voluntary Public Access – Habitat Incentive Program (VPA-HIP). Funding is currently available to enroll up to 10,000 acres.

Q: What am I required to do if I enroll my land?

A: Participating landowners are required to do the following:

- Allow public access on enrolled tracts of land in accordance to the access option of their choosing.
- Allow for the posting and monitoring of all enrolled acres by MDC agents and employees.
- Allow MDC to establish a bulletin board at the property access point for the purposes of collecting user information and conveying area use information.

Resources

HTML validator

- Chrome HTML validator (also available for Firefox)
- Web Developer Toolbar (Firefox, with a Chrome port)

Color Contrast

- <http://contrast-finder.tanaguru.com/>

Accessibility:

- WAVE toolbar for Chrome

Questions?

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Sources

<http://www.afb.org/info/blindness-statistics/state-specific-statistical-information/misouri/235>

<http://libguides.gallaudet.edu/content.php?pid=119476&sid=1029190>

http://www.disabilitystatistics.org/StatusReports/2013-PDF/2013-StatusReport_MO.pdf