

Mapping Invasives in America's Wild Places™











Wild Spotter Components

1) National Website

- Project Overview
- Identification Materials
- Survey, Inventory, and Mapping Protocols
- Citizen Science Volunteer Recruitment and Coordination
- Customized Site Information
 - Access and Contact Information
 - Maps
 - Invasive Species List





Monongahela National Forest

This Forest offers a wide range of recreational activities due to eight Wilderness Areas, a National Scenic Byway, and the Spruce Knob-Seneca Rocks National Recreation Area.











Wild Spotter Components

2) EDDMapS Platform

- Uniquely designed for project
- Same branding and design as National Website
- Supporting information for use by volunteers in the field
- Smartphone Apps for Data Collection (iPhone and Android devices)













3) Marketing and Promotion

Media (video, social, print, radio, web, television, etc.)









4) Volunteer Recruitment and Coordination

- Citizen Science Program Connection
- USFS Volunteer Program Connection
- Partnerships and Recruitment at all levels (local to national)
- Working with Corps Network and other Conservation Corps Partners



Pilot National Forests





1) Priority Areas

- O Wilderness Areas
 Blackjack Springs
 Headwaters
 Porcupine Lake
 Rainbow Lake
 Whisker Lake
- Wild & Scenic Rivers
 St. Croix National
 Scenic River

2) Invasive Species List

goutweeu	ледорошит рошидтини	11334
garlic mustard	Alliaria petiolata	3005
Japanese barberry	Berberis thunbergii	3010
Siberian peashrub	Caragana arborescens	9925
Oriental bittersweet	Celastrus orbiculatus	3012
knapweeds	Centaurea spp.	9563
Canada thistle	Cirsium arvense	2792
marsh thistle	Cirsium palustre	12785
bull thistle	Cirsium vulgare	3393
Crown vetch	Coronilla varia	3015
Autumn olive	Elaeagnus umbellata	3021
leafy spurge	Euphorbia esula	3405
Glossy buckthorn	Frangula alnus (Rhamnus frangula)	5649
brittle stem hemp nettle	Galeopsis tetrahit	26652
dame's rocket	Hesperis matronalis	5702
pale yellow iris	Iris pseudoacorus	5853
morrow's honeysuckle	Lonicera morrowii	3041
tatarian honeysuckle	Lonicera tatarica	3043
Bell's honeysuckle	Lonicera x bella	5948
purple loosestrife	Lythrum salicaria	3047
field forget-me-not	Myosotis arvensis	32755
true forget-me-not	Myosotis scorpioides	6071
wild parsnip	Pastinaca sativa	6147
common reed	Phragmites australis ssp. Australis	59038
Japanese knotweed	Polygonum cuspidatum (Fallopia japonica)	19655
common buckthorn	Rhamnus cathartica	3070
black locust	Robinia pseudoacacia	3350
orange hawkweed	Hieracium aurantiacum	4423
yellow hawkweed	Hieracium caespitosum	4424
St. johnswort	Hypericum perfoliatum	7151
Dalmatian toadflax	Linaria dalmatica	5939
yellow toadflax	Linaria vulgaris	3800
white sweet clover	Melilotus albus	3050
yellow sweet clover	Melilotus officinalis	6008
Eurasian watermilfoil	Myriophyllum spicatum	3055
reed canary grass	Phalaris arundinacea	6170
burnet saxifrage	Pimpinella saxifrage	18762
curly pondweed	Potamogeton crispus	6219
common tansy	Tanacetum vulgare	6517
narrow leaved cattail	Typha angustifolia	11603
garden valerian	Valeriana officinalis	6580

3) Pathways and Vectors

- Morgan Falls St. Peter's Dome Trail
- Anvil National Recreation
 Trail
- o Mountain Fire Lookout Station
- o Natural History Auto Tour
- Lakewood Auto Tour
- Franklin Lake Campground
- Lake Three Campground

Prevention

Support





Volunteer Where To Look What To Look For Places Partners



Wild SpotterTM - Engaging and empowering the public to help find, map, and prevent invasive species in America's wilderness areas, wild rivers, and other natural areas. Become a Wild Spotter citizen scientist volunteer, download the Mobile App, and help protect America's Wild Places!



other mobile device. Once registered, reach out to

implementing our resources. Wild Spotter creates



WILD SPOTTER PARTNERS



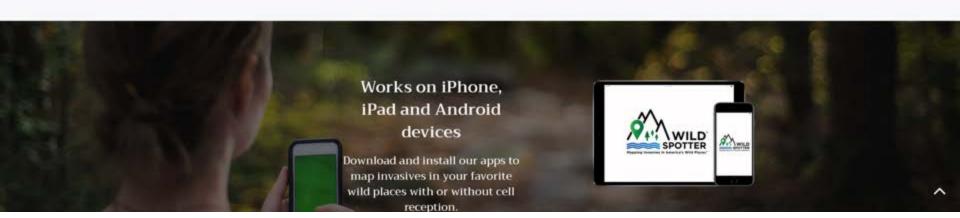












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Where To Look

What To Look For

Places

Support

Wild Spotter Mission

Wild Spotter aims to protect America's wild places from invasive plants, pathogens, and animals which outcompete our native species and threaten the biodiversity and health of every aquatic and terrestrial ecosystem.



Promote Awareness

America's wild places are home to. beauty, diversity, and reflection, yet they are under attack from invasive species. A goal of Wild Spotter is to help bring awareness to the public about which nonnative species are invading our wild places, how to identify these species and how to report them;



Engage the Public

The data you collect will be helping to create the first-ever nationwide inventory of invasive species in America's natural areas. You can help us fight back against harmful invaders by becoming a Wild Spotter volunteer or partner. By downloading the app on your smartphone, you can start collecting vital data on which species are invading, where they are located, and the extent of their invasion, all while you are enjoying the great putdoors.



Defeat Invasives

The data collected by you will help management teams create more effective strategies to defeat invasive species. By reporting data you will be helping to protect recreational activities. such as fishing, hunting, climbing, as well as clean water, abundant wildlife. and all the other benefits of being autdoors.





Volunteer

Where To Look

What To Look For

Places Partners

Prevention

Support

WILD PLACES



Idaho

Payette National Forest

Come experience the solitude of seldom traveled trails within the Frank Church River of No Return Wilderness Area!

Learn More

JOIN WILD SPOTTER

To defeat these exotic invaders, we need to know where they are. When you spot them, follow the app to make sure we get the information we need: what, where and how extensive is the impact? It's easy to do while enjoying the great outdoors. By uploading this information, you'll be helping to assemble the first-ever nationwide inventory of invasive species in America's Wilderness Areas, Wild Rivers. and other natural areas. You'll also learn how to reduce and stop the spread of these insidious invaders - and protect America's rivers, mountains, forests, and all wild places for future generations. So make a difference! Volunteer to join the Wild Spotter campaign today.



WILD SPOTTER VOLUNTEERS Volunteers are what power Wild Spotter. These are an example of volunteers who go out and map invasives in America's weld places!





Volunteer

Where To Look What To Look For

Places

Partners

Pre

Support

LATEST WILD SPOTTER NEWS AND EVENTS





UTAH WEED SUPERVISORS ASSOCIATION SPRING TOUR

Utah's county weed supervisors meet once a year to visit locations of new weed introductions and learn about new control and mapping technologies. This year's tour began in St. George in southern Utah.

Read more @





WEED WRANGLE® NASHVILLE, TN

Weed Wrangfelli, is a one-day, citywide, volunteer effect to help rescue our public parks and green spaces from invasive species through hands-on removal of especially harmful trees, vines and flowering plants.

Read more @

Upcoming Events



Association of Fish & Wildlife Agencies Annual Conference

O AT THE AMPLICATION AT TARREST THREE

A Rurim for conservation leadership to liticiass conservation policy and management sisues and accomplishments.

15 ост Upper Midwest Invasive Species Conference

O STEELS LINE & Business US

A biennal conference celebrating 10 years of connecting the invalve speces management, research, and policy construinty.

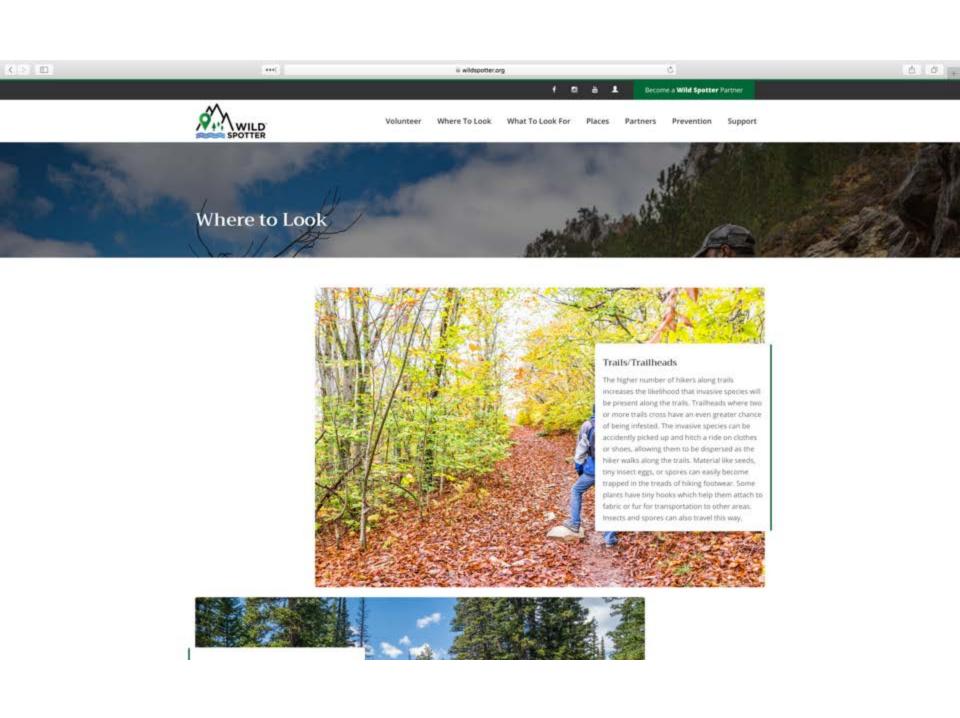
more events -



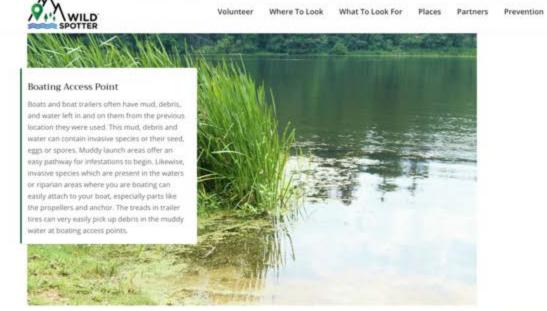
Powered By EDDMapS

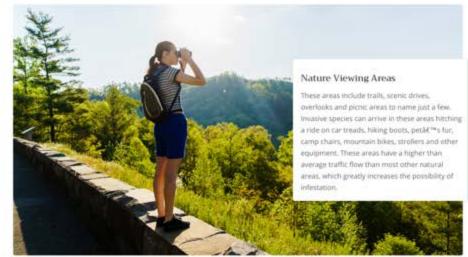
EDOMaps is a wee-based mapping system for documenting invasive species distribution and there are immense numbers of invasive species observations reported each year. In turn, EDDMapS shares this idea and makes it freely available





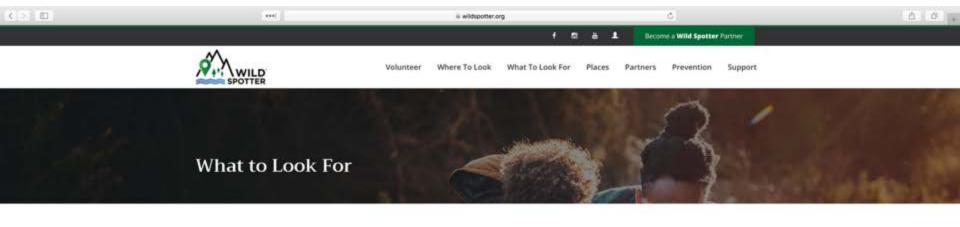






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Support



Invasive Species

What is an invasive species? Plant, animal and other organism growing in a habitat where it is not native. And where it has spread and is causing or might cause harm to humans, animals, other organisms, the economy or the habitat where it has been found. This includes the seeds, eggs, spores and other reproductive material of the invasive species.





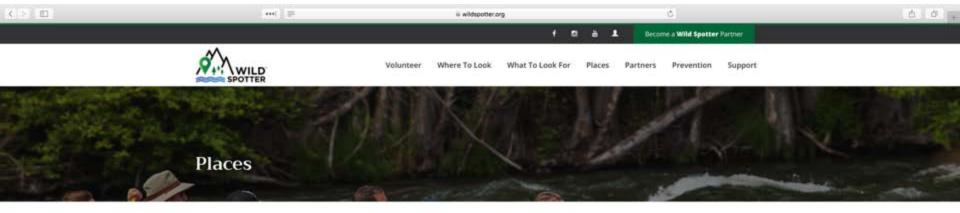




Showing 1 to 14 of 336 entries

Search:

Subject Name 1 Scientific Name Places Alternanthera philoxeroides Ozark-St. Francis National Forest alligatorweed: alpine knapweed Centaurea nigrescens Monorgahela National Forest alpine knapweed Centaurea nigrescens Wallowa-Whitman National Forest amphibian disease chytridiomycosis Batrachochytrium dendrobatidis Ozark-St. Francis National Forest Amur honeysückle Lonicera maackii Daniel Boone National Forest. Amur honeysuckle Lonicera maackii. Monongaheia National Forest Shawnee National Forest Amur honeysuckle-Lonicera maackii Elaeagnus umbellata Chequamegon-Nicolet National Forest autumn olive autumin olive Elaeagnus umbellata Daniel Boone National Forest





Bridger-Teton National Forest

Welcome to the Bridger-Teton National Forest Adjacent to both the Grand-Teton National Park and the National Eik Refuge, the Bridger-Teton National Forest comprises 3.4 million acres. The Forest has three wilderness areas, which include the Bridger Wilderness, the Gros Ventree Wilderness, and the Teton Wilderness, that offer visitors the chance to view diverse wildlife. During the summer months, visitors are likely to see trumpeter swans, sandhill cranes, coyotes, bald eagles, and eik. Species easier to see in writer, as they move to lower elevations, include moose, mule deer, and bighorn sheep. Although widely known for its large mammals, including grizzly bears, Bridger-Teton also supports over 355 species of birds. The Forest offers crystal clear waters, with unique geology and numerous recreation activities, at Snake River Canyon and Periodic Springs. Two Scenic Byways, the Wyoming Centennial Scenic Byway and the Big Springs Scenic Backway, hosts beautiful mountain views and wide river valleys. Winter activities are boundiess at the Bridger-Teton National Forest with visitors able to enjoy snowmobiling, sking, and mushing.



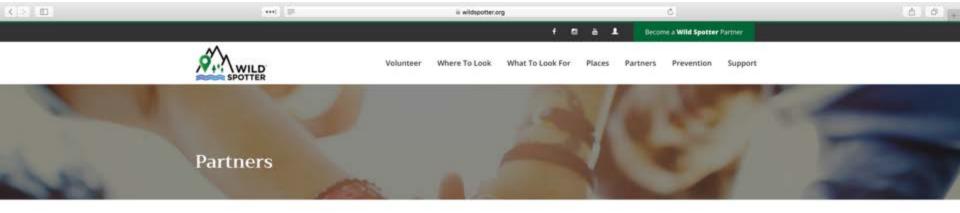
Chequamegon-Nicolet National Forest

Welcome to the Chequamegon-Nicolet National Forest! The Chequamegon-Nicolet National Forest covers more than 1.5 million acres of Wisconsin's Northwoods. The Forest is managed for multiple uses including forestry, wildlife habitat, outdoor recreation, fisheries, species forest products gathering, wilderness, and natural areas. Two wilderness areas, the Blackjack Springs and Headwaters Wilderness, feature diverse vegetation typical of the Lake Superior Highlands and some of the largest and oldest trees in the Forest. Fishing, hunting, hilling, bird-watching, and canoeing are popular recreational activities on the wilderness areas. The 5t. Peter's Dome Trail provides visitors with an excellent view of the Chequamegon Bay of Lake Superior and the Apostle Islands while the Morgan Falls. Trail highlights the 70-foot high Morgan Falls, in winter, visitors can ski on one of the oldest and more popular cross-country ski trails in the Eagle River Area: Anvil National Recreation Trail. With more than 1.5 million acres of water and woodlands, the Chequamegon-Nicoles National Forest provides recreation opportunities for year-found motor/red trail riding, water and land-based silent sports and the solitude of rustic quiet campgrounds.



Daniel Boone National Forest

Welcome to the Daniel Boone National Forest! The Daniel Boone National Forest features four ranger districts intermingled with private and state land across 21 counties in eastern Kentucky. Originally named the Cumberland National Forest, it was renamed in 1966 as the Daniel Boone National Forest in recognition of the adventurous.





University of Georgia

The University of Georgia's Center for invasive Species and Ecosystem Health integrates information technology applications and graphic design tools with scientific based resources to provide a wide array of services. Their mission is to develop, consolidate, and disseminate information and programs focused on invasive species, forest health, natural resource and agricultural management through technology development, program implementation, training, applied research and public awareness at state, regional, national, and international levels.



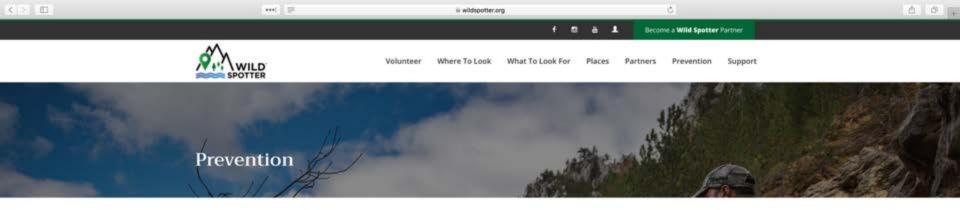
National Forest

The National Forest Service is a multi-faceted agency that manages and protect 154 national forests and 20 grasslands in 43 States and Puerto Rico. Their mission is to sustain the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of present and future generations. Through partnerships with public and private agencies, the National Forest Service plants trees, improves trails, educates the public, and improves conditions in wildland/urban interfaces and rural areas.



Wildlife Forever

Wildlife Forever is a nonprofit conservation charity that has funded conservation works in a® 50 states and Canada with more than 1,500 projects throughout North America. The mission of Wildlife Forever is to conserve America's wildlife heritage through conservation education, preservation of habitat and management of fish and wildlife. Wildlife Forever projects target research, management, land acquisition, and educational purposes. Special emphasis is placed upon grassroots programs.



Pathway/Vector

The means and routes by which invasive species are moved or introduced into new environments are called pathways, or vectors. Be vigilant and proactive about invasive species to help prevent accidental spread of invasive species via pathways/vectors into new areas.

How You Can Help

It is as simple as "Never move soil or debris from one area to another". For example, clean your clothes, footwear and-equipment before entering a river. Then as you leave the water, clean your belongings of any soil or debris picked while you were in the water. The same principle applies to any activities in natural areas, regardless of whether you are engaged in fishing, histing, histing, camping or one of the other wonderful activities possible in natural areas. Chief Seattle said it so well, "Take nothing but memories, leave nothing but fortherwing."







Places Partners

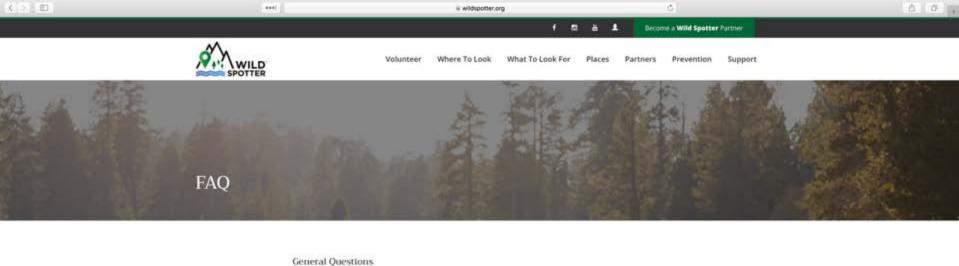
Prevention





Before entering the water and about 200 feet from the water be sure your clothes, footwear and equipment are free of soil and debris which may conceal seeds and other material. When fishing, dispose of that in approved locations to prevent accidental introduction of anyasive organisms into rivers and streams. Clean your clothes, footwear and equipment of any mud or debris pick up while you were in the river or stream. A brush and water from the river or stream make cleaning quick and easy.

Campsites Always buy local wood for camplires and leave any unused wood on site. Before leaving home, be sure your vehicle, tent and other camping equipment is clean and free of soil and other debris which may contain seeds, tiny insect eggs, microscopic fungal apperes and other reproductive material. Remove soil and other debris picked up while camping, from your vehicle, tent and other equipment when packing up to go home. Dispose of waste in approved containers or bag it and dispose of it at home.



- + Q. What is Wild Spotter?
- 4 Q. Who is behind Wild Spotter?
- + Q. How do I contact Wild Spotter?
- ♦ Q. How do I become a Wild Spotter Volunteer?
- ♦ Q. How do I become a Wild Spotter partner?

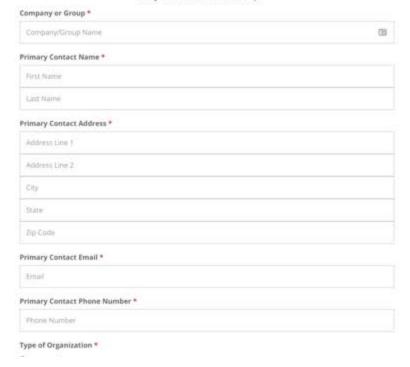
Invasive Species

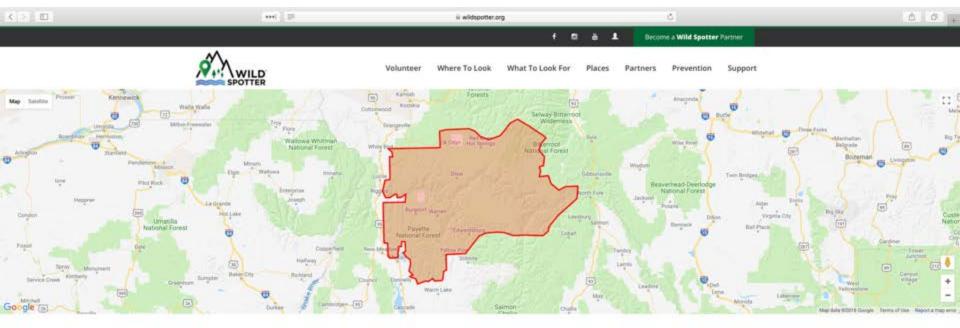
- + Q. What is an invasive species?
- + Q. Why should I care about invasive species?
- + Q. How do I identify an invasive species?
- + Q. Where do I look for invasive species?
- + Q. How do invasive species get here?
- + Q. How do I prevent the spread of invasives?

Reporting



Required Fields denoted by "*"





Payette National Forest

Come experience the solitude of seldom traveled trails within the Frank Church River of No Return Wilderness Area!

0 People Contributing 0 Observations



Welcome to the Payette National Forest Adjacent to the Boise, and Salmon-Challis National Forests, the Payette National Forest offers visitors over 2.3 milbon acres to enjoy. Dry desert grasslands compliment heavily forested acres. Visitors can experience the solitude of seldom traveled trails at the gateways to the Frank Church River of No Return Wilderness Area. Then, to the west, is the Hell's Canyon National Recreation Area, the deepest river gorge in North America where visitors can stand on the canyons east rim and in some places gaze down 8,000 feet to the Snake River that has carved this carryon. Wildlife viewing opportunities are endless with over 300 different species making their home on the Payette National Forest. Some are common and easily spotted from roads and trails, while others are more reclusive and require perseverance to see. Seven Devil Mountains and the Upper Salmon River Canyon are excellent places to see Mountain Goats while Bloreal Owls are found at elevations above 6,000 feet in spruce-fir forests. The Payette National Forest also provides visitors a spot to indulge in their recreational intervests.

https://www.fs.usda.gov/payette



lunteer Where To Look What To Look For Places Partners Prevention Support

cheatgrass - Bromus tectorum

0 People Contributing 0 Observation(s) 0 place(s)

Click on images to view larger version and citation.



Appearance

Bromus tectorum is an erect-stemmed annual grass that grows to about 8-25 in. (20-70 cm) in height.

Foliage

The leaf sheaths and blades are covered with soft short hairs. The leaves are 0.08-0.16 in, (2-4 mm) wide and up to 8 in. (20 cm) long, its ligules are 0.04-0.1 in, (1-2.5 mm) long.

Flowers

The panicles measure 2-7.75 in. (5-20 cm) long, have numerous branches, retain an open quality and are generally nodding. The panicles bear from 3 to 8 drooping spikelets, each spikelet is 0.8-1.4 in. (2-3.5 cm) long, The glumes are awf-shaped. The lemmas are narrowly lanceolate, 0.04-0.06 in. (1-1.5 mm) wide, toothed, and sometimes hairy. They have slender, straight awns that are 0.4-0.67 in. (10-17 mm) long. Flowering occurs from May to June.

Frui

The seeds can germinate in the fall or in the spring; fall germination is generally more common. 8. tectorum has a fibrous root system is finely divided. When a seed germinates in the fall, the developing root system is able to expand over the winter, giving the plant an increased ability to exploit available water and nutrients in the spring.

Ecological Threat

Bromus tectorum has the ability to draw down soil moisture and nutrients to very low levels, making it difficult for other species to compete. An increased cycle of fires favors annual species at the expense of many perennials. Due to its tendency to mature early and then dry out, it gains a competitive advantage through the promotion of fire. It is an agricultural, nursery and orchard pest.

Places monitoring this species

Santa Fe National Forest

Bridger-Teton National Forest

Payette National Forest

Monongahela National Forest

Wild Spotter Smartphone Apps



Works on iPhone, iPad, and Android devices

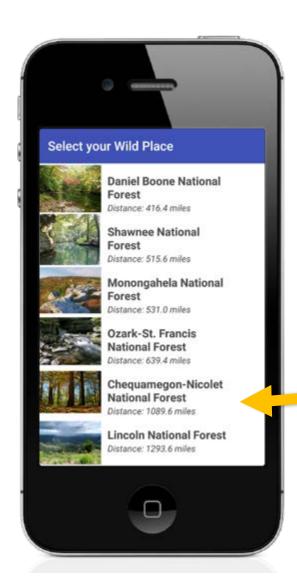
Download and install the FREE Wild Spotter App to map invasive species in your favorite Wild Place







Swipe through introductory slides



Pick the Wild Place you are in or going to

Wild Place Homepage on App

Click on the dropdown box for more options

Explore and Identify Any Invasive Species of Concern

View maps of your selected Wild Place



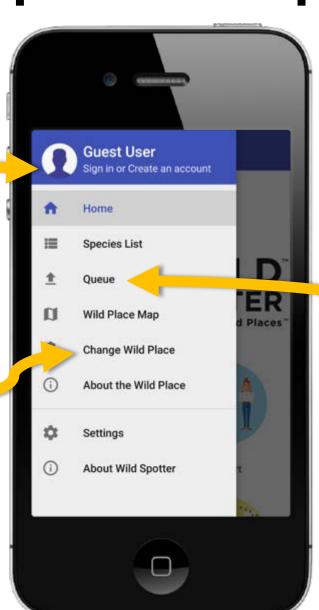
Report your invasive species sightings (what, where, how much)

Learn about the Wild Place you are exploring

Dropdown Box Options

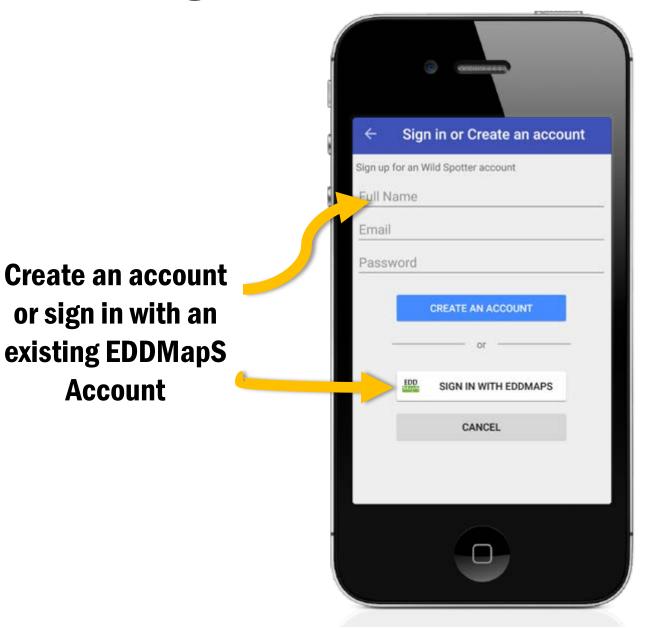
Select to sign in or create a Wild Spotter account

Change your Home Wild Place when you travel



Click Queue to upload your invasive species sightings

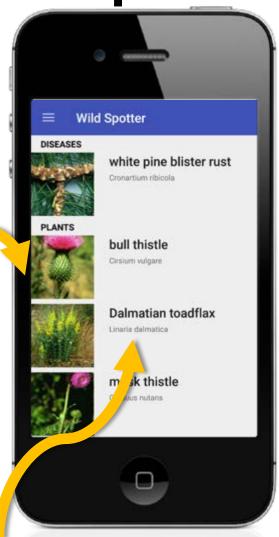
Sign in or Create an Account



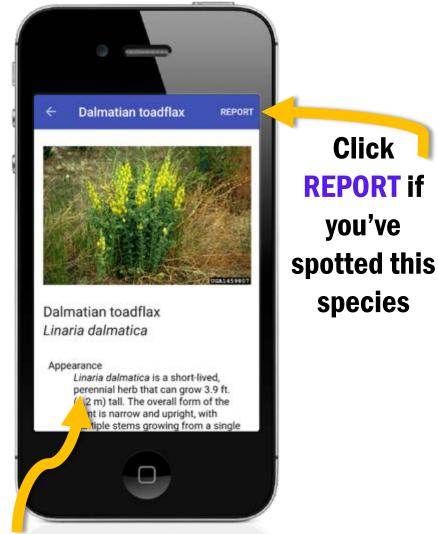
Account

Species Identification

Scroll through invasive species by category



Click to learn more about each species

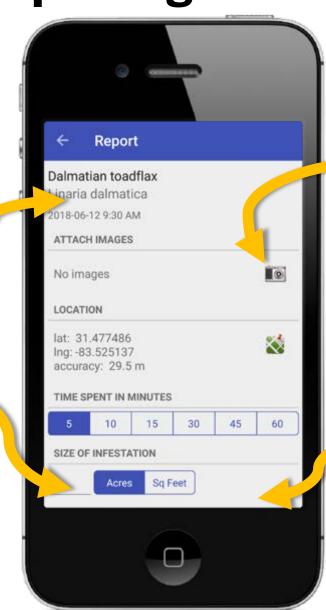


View pictures, descriptions, and identifying characteristics

Reporting Section

The invasive species you've selected to Report

Tell us how large the infestation is (this section is being modified)

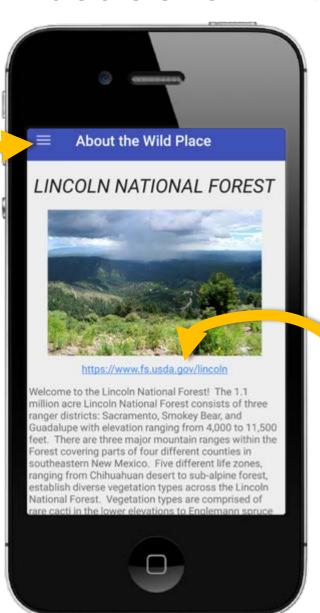


Tap the camera to add a photo to the report

Scroll down and be sure to Save your Report to the Upload Queue

Learn About the Wild Place

Select the dropdown box to go to a different page



- Maps
- Descriptions
- Access Information
- Warnings
- Contacts
- Etc.

Click link to learn more about the Wild Place

Data Collection and Mapping

- Mobile apps are the primary way to collect data, although other manual methods are possible.
- Photographs are encouraged for validation.
- We are working to provide guidance and support for taking environmental samples (e.g., eDNA).
- NRM is helping to move data from the Wild Spotter system into the USFS FACTS (TESP-IS) database.
- Validation and quality control through EDDMapS platform.
 Pre-loading USFS data into the system to reduce duplicating existing records.

Volunteer Recruitment and Coordination

- Volunteer incentives are highly recommended (e.g., Pilot Forest starter-kits). Certificates, pins, stickers, etc. to help thank volunteers for their support.
- Forests promoting Wild Spotter and help connect volunteers locally.
- Providing a seasonal Wild Spotter coordinator at each of the 12 Pilot Forests to help recruit and manage citizen scientists.
- Full-time coordinator hired at UGA to work directly with each National Forest (Wild Spotter project coordinator Rachel (Beyke) Carroll).
- Mentoring program established to help support and expand program on each National Forest.

Marketing and Promotion













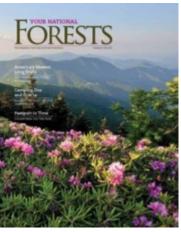


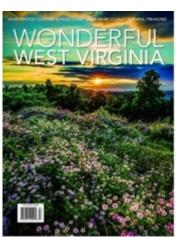




Print Advertising: Targeted Publications



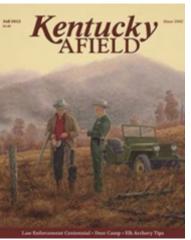




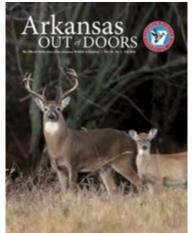










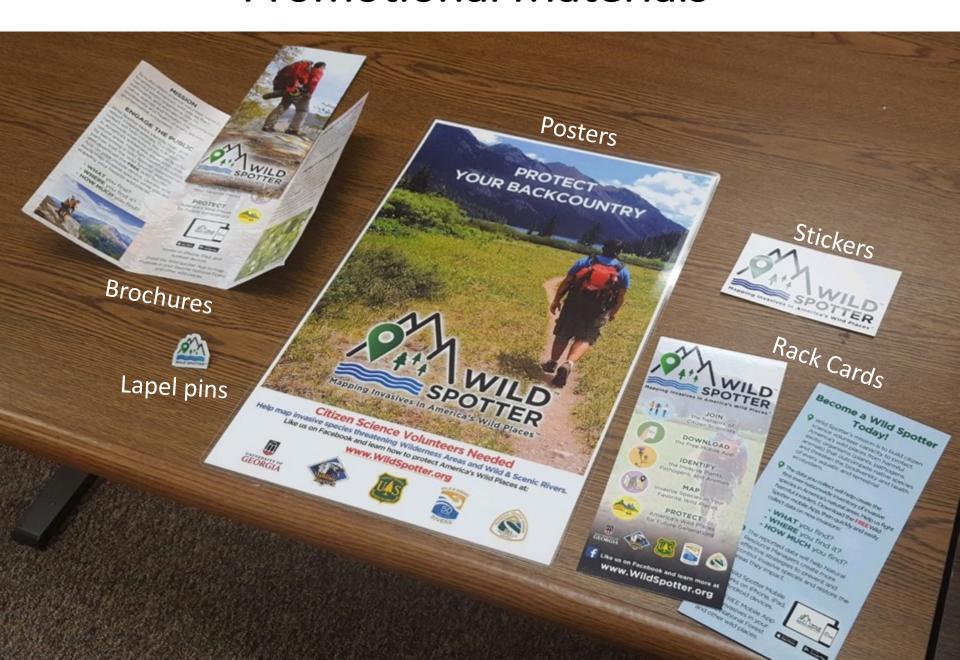




Facebook: Build Community



Promotional Materials



Partnerships









Strengthening America through service and conservation















RiversEdge West

RESTORE + CONNECT + INNOVATE



Invasive Species Prevention Partnerships





BUY IT WHERE YOU BURN IT.





PlayCleanGo.org

Wild Spotter Direct Support Contact Information

mappinginvasives@gmail.com





Questions?