

Western Forestry & Conservation Association February 21, 2013

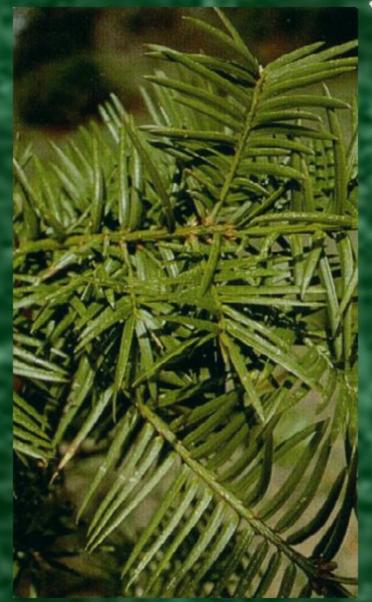
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Source: Dov Sax

School of Law



Torreya taxifolia







Marbled White butterfly (Melanargia galathea)





Small Skipper butterfly (Thymelicus sylvestris)

Okanagan Valley, British Columbia



Bob Marshall Wilderness, Montana



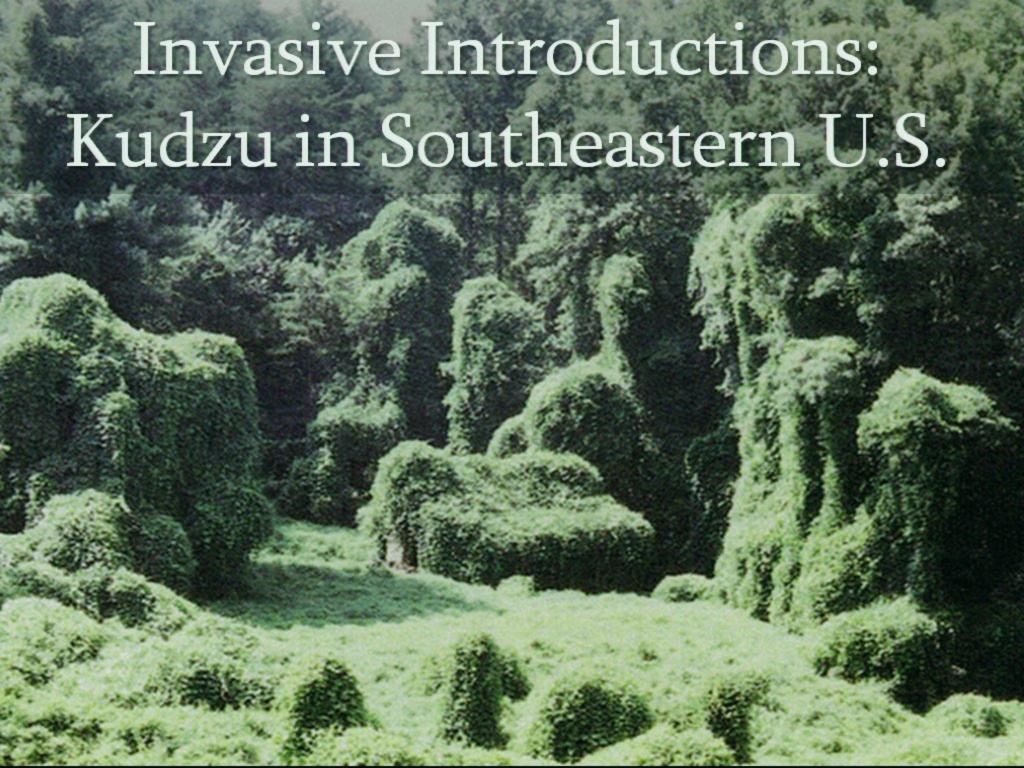
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 - -Limited success of past reintroductions
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 - -Potential harm to receiving ecosystem







Permitted under various management scenarios

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 - -By federal and state agencies

Federal Lands & Assisted Migration

5. See 19. See	사고 있다는 경영화 선생님은 그 경우는 그를 보는 경영화 선생님은 보면 보는 그는 그를 보는 경영화 선생님은 그를 보는 경영화 선생님은 그를 보는 것이다.
National Forests	Allowed if consistent with multiple use objectives, designated a desired species, and not invasive
BLM Lands	Allowed if consistent with multiple use objectives, ecologically sound, and not invasive
Wildlife Refugia	Allowed if endangered/threatened and essential for species survival
National Parks	Allowed if minimize risk of harm and species is: 1. closely related to an extirpated native species, or 2. an improved variety of native species where "the natural variety cannot survive current, humanaltered environmental conditions"
Wilderness	Allowed only if consistent with preserving wilderness character and natural conditions

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Guam Rail (Gallirallus owstoni)



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- Prevalent use would be incompatible with the existing regulatory framework
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 - -Not designed with climate change in mind
 - -Leads to incongruous distinctions



Challenges to Conventional Resource Management Goals

Protecting native ecosystems

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Protecting native ecosystems

Leaving wild nature undisturbed

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Protecting native ecosystems

Leaving wild nature undisturbed

Restoration and preservation

Revisiting Natural Resource Law and Management

 Keeping ecosystems static and "native" is of questionable value

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Revisiting Natural Resource Law and Management

- Keeping ecosystems static and "native" is of questionable value
- Natural systems are inextricably linked to human activity
- Preservation will be increasingly costly and even impossible under climate change



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- Generate data and reduce uncertainties

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 - -Substantial data that:
 - Technically and economically feasible
 - Species is endangered, ecologically valuable, and compatible with the proposed site

- Baseline goals?
 - Managing for the future

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- Baseline goals?
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- Focal unit(s)?
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- Management standards?
 - Suitability for future conditions
- Who decides?

To find out more information, please visit the US Forest Service Reforestation, Nurseries & Genetics Resources website at http://rngr.net