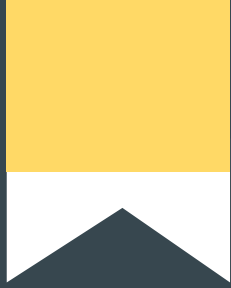


Risk Evaluation

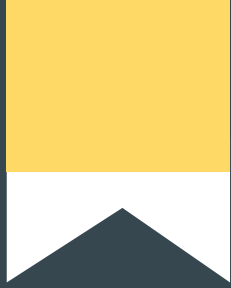


Webinar III
July 12, 2017



Risk Evaluation Framework

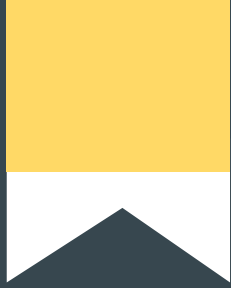
- Third (of 3) risk evaluation webinars
 - CAL-IPC pre-activity planning
- Previous webinars archived in google drive 'Region 1 Invasive Species Policy Information'



Pacific Region Prevention Policy

“Some form of risk evaluation for activities that have an uncertain risk of invasive species introduction and therefore require further assessment in order to determine effective prevention guidelines.”

-Pacific Region Policy on Minimizing the
Introduction of Invasive Species by
Service Activities



When to use

- New activity
- New threat
- New area
- Uncertainty



Pre-activity planning process

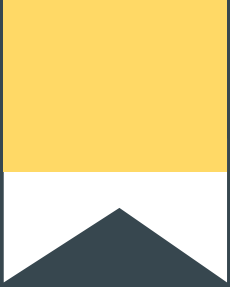
- Developed by California Invasive Plant Council 2012
 - With technical advisory teams
 - Voluntary guidelines for land managers in California

Preventing the Spread of Invasive Plants:



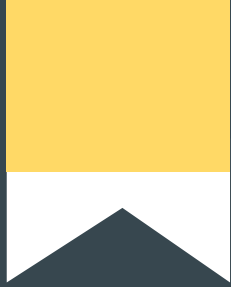
Best Management Practices for Land Managers

3rd Edition



Risk evaluation: critical elements

1. Risk evaluation for activities with uncertain risk
2. Low-risk materials
3. Avoid exposure
4. Inspect/remove/decon gear, vehicles, watercraft, construction materials, and clothing
5. Drain water
6. Inspect/decon/quarantine animals
7. Reduce introduction by visitors



Risk Evaluation Framework

1. Site assessment
2. Describe activity
3. Associated tasks
4. Prevention

1. Site assessment

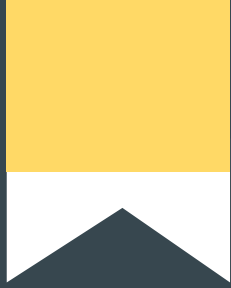
- Invasive species
 - Location
 - Species specific
 - Dispersal
 - Impacts



1. Site assessment

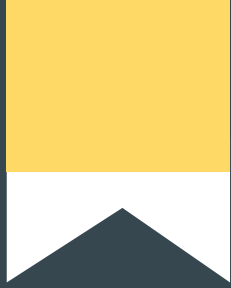
- High risk or sensitive areas
 - Wildland/natural area
 - TES & habitat
 - Remote islands
 - Post-fire areas
 - Sensitive caves





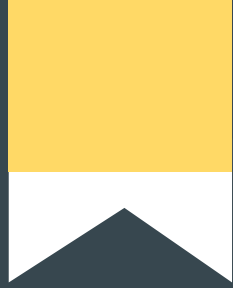
2. Describe activity

- Locations
- Access routes
- Timing
- Tools and equipment
- Materials
- Vegetation/soil disturbance



3. Associated tasks

- Locations
- Timing
- Methods
- Tools/equipment
- Materials

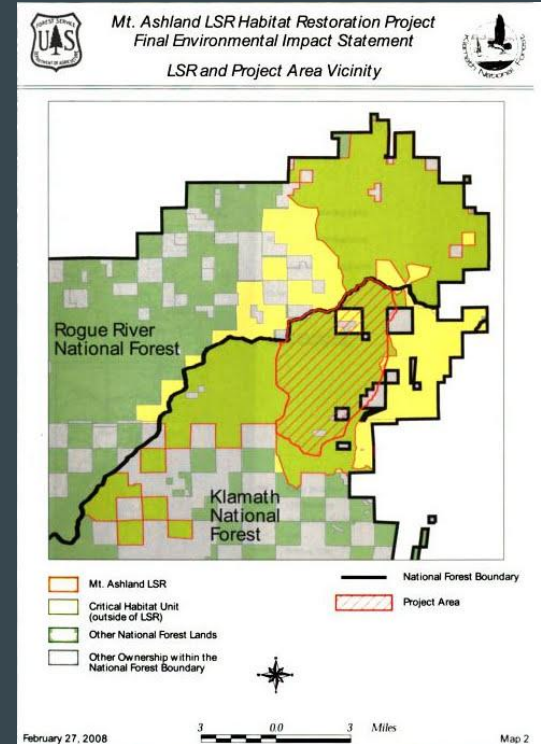


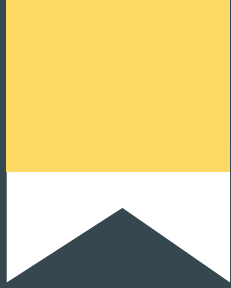
4. Prevention

- Modify activity details
 - Avoidance
 - Low risk materials
- Cleaning & quarantine procedures
 - Employees
 - Equipment
 - Animals

Example: Mt Ashland Habitat Restoration

Klamath National Forest:
Fuels Reduction and
Road Decommissioning





1. Site assessment

- Utilized Forest Noxious Weed Database
 - Within project site
 - No invasive populations
 - Adjacent to site
 - Yellow starthistle

1. Site assessment

- Yellow starthistle
 - Reduce native grass/forbs
 - Depletes soil moisture
 - Chewing disease
- Dispersal
 - Humans



Yellow starthistle infestation. Photo by: Steve Dewey, Utah State University.

2. Describe activity

Road Construction



Thinning and fuel treatments



3. Associated tasks

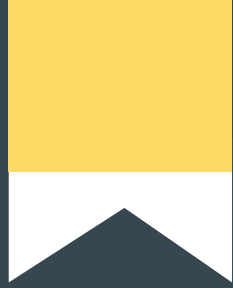
- Entry/exit site
- Material
- Employees/contractors
- Tools/equipment
- Methods



4. Prevention

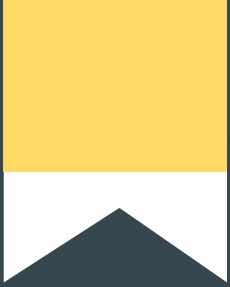
- Established easements
- Import weed free materials
- Inspection & cleaning
- Decommission landings/roads





Summary

- Pre-activity planning process outcome may determine:
 - ‘current’ prevention guidelines sufficient
 - require additional guidelines to be added



Risk evaluation: critical elements

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Thanks for watching. Questions...

