



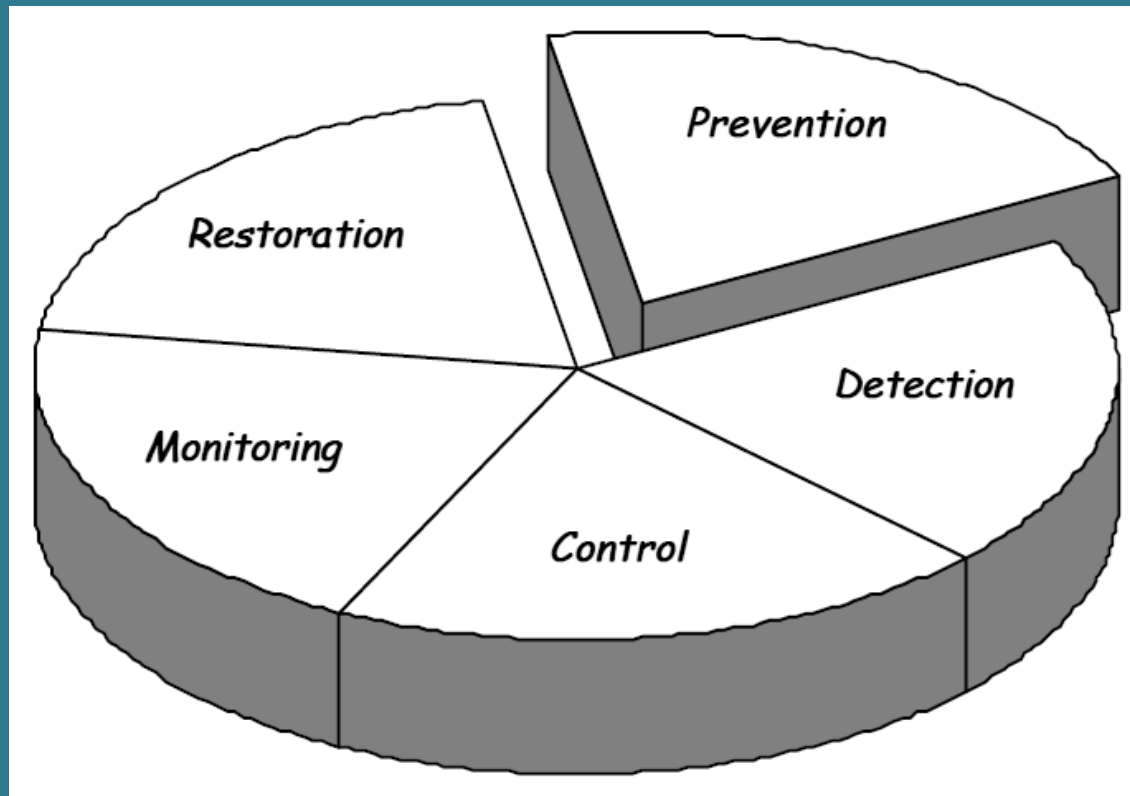
# Prevention BMPs for Invasive Plant Managers

Jen Stern  
Training Program Manager  
California Invasive Plant Council

*Protecting California's lands and waters from invasive plants  
through science, education & policy*

# Prevention

Our first line of defense



# Prevention BMPs

Goal: To prevent accidental introduction and spread of invasive plants

Two Prevention BMP Manuals:

1. for Land Managers
2. for Transportation and Utility Corridors

Preventing the Spread of Invasive Plants:

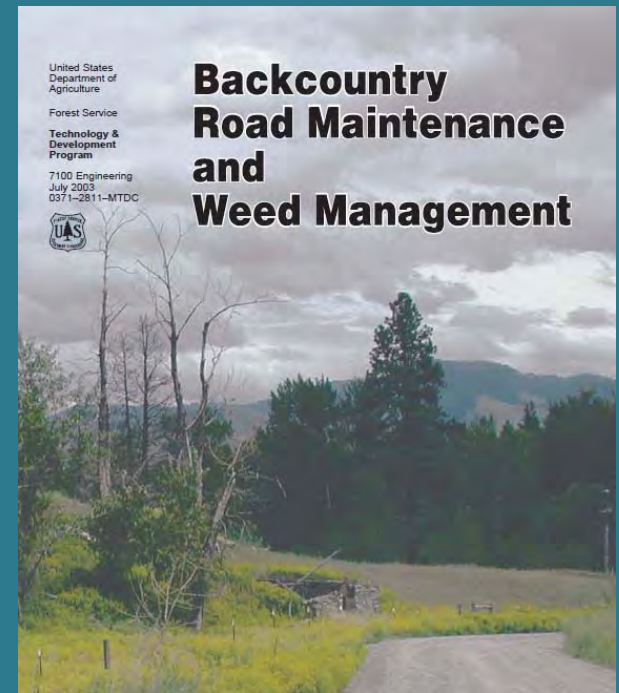


Best Management Practices  
for Land Managers

California Invasive Plant Council

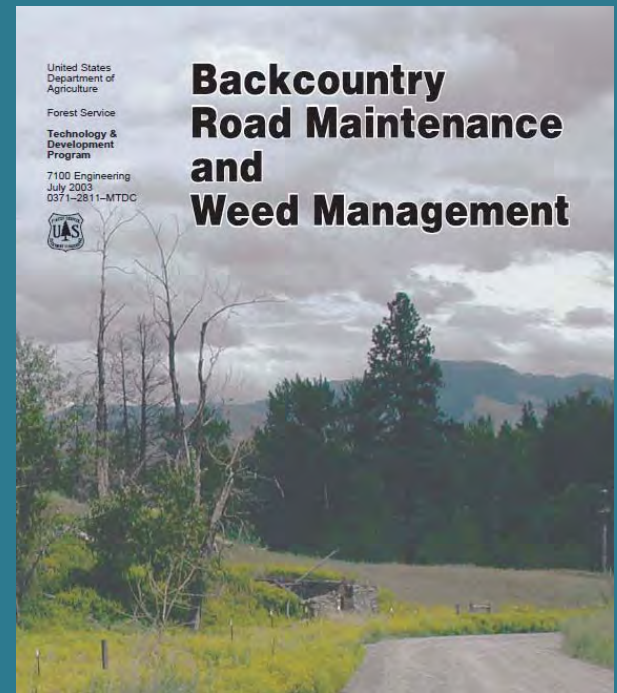
# BMP Manual Development

1. Gathered reference documents.
2. Compiled existing BMPs.
3. Invited and engaged our Technical Team.
4. Review and edit.



# BMP Manual Development

1. Gathered reference documents.
2. Compiled existing BMPs.
3. Invited and engaged our Technical Team.
4. Review and edit, again & again



# Technical Advisory Team

Audubon California

Big Sur Land Trust

CA Department of Fish & Game

CA State Parks

CA Assoc. of Resource Conservation Districts

National Park Service

San Diego Conservation Resources Network

The Presidio Trust

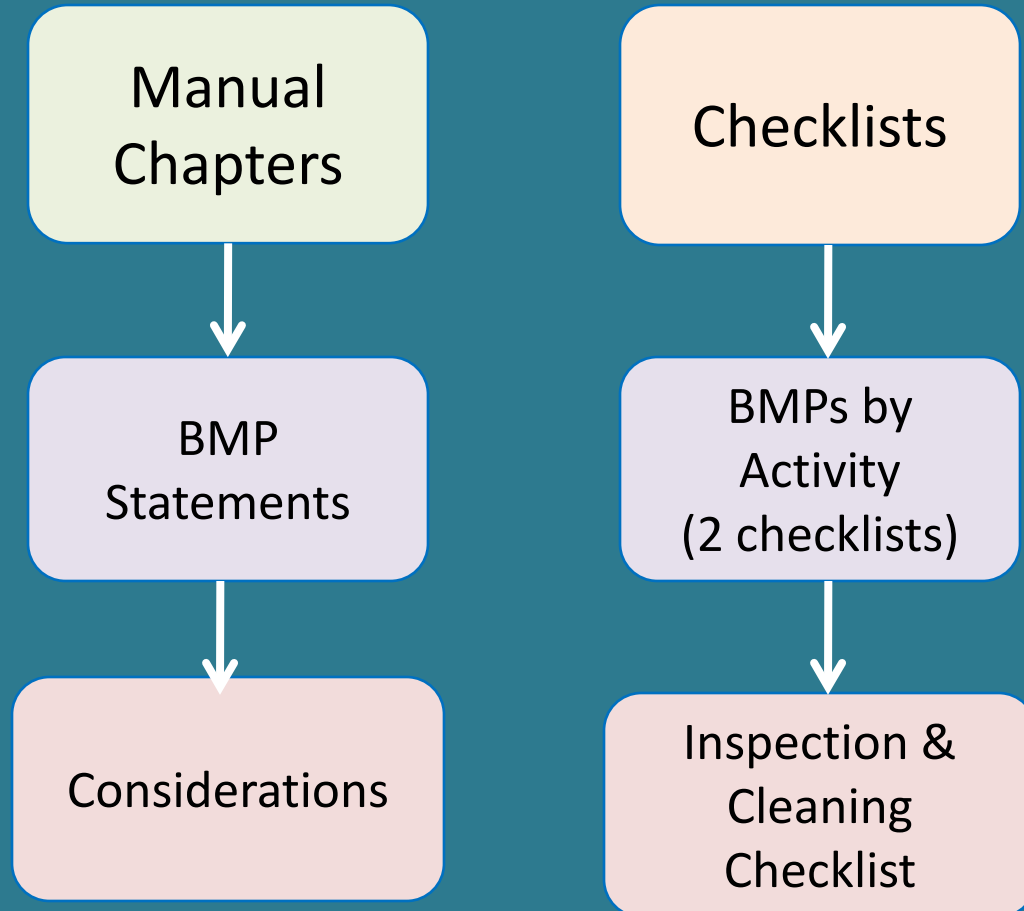
US Bureau of Land Management

USDA Forest Service

US Fish and Wildlife Service

UC Cooperative Extension

# Prevention BMPs



# Prevention BMPs

## Land Manager Prevention BMPs

### **Manual Chapters: Pathways of Invasion**

1. Planning & Inventory
2. Project Materials
3. Travel
4. Tool, Equipment & Vehicle Cleaning
5. Clothing, Gear & Boots Cleaning
6. Waste Disposal



# Planning & Inventory

1. Collaboration
2. Training
3. Early detection
4. Integration of BMPs
5. Monitoring
6. Outreach



Training

# Planning & Inventory

**PL3: Scout for invasive plant infestations on and near worksite before carrying out field activities.**

- a. Scout for invasive plants at likely introduction sites such as roadsides, trailheads, campgrounds, staging areas, and other disturbed areas. Wet areas may also be especially susceptible.
- b. Scout not only within the worksite but nearby as well.
- c. Gauge the extent and intensity of scouting needed depending on: the threat of invasive plants to the worksite resources, the size of the worksite, the type of project, and the potential for disturbance.
- d. Be especially aware of invasive plant species that are not widespread in the project area and can be controlled using early detection and rapid response.

# Planning & Inventory



Survey often for new weed growth



Canada Thistle

Stop seeds at the source

# Project Material

## Stop movement of weeds



Vectors = hay, nursery materials, soil, mulch, gravel

# Travel

Stop movement of weeds

Don't be a vector!



# Tool, Equipment & Vehicle Cleaning



Stop movement of weeds

# Clothing, Gear & Boots Cleaning



Stop movement of weeds

# Sample Inspection Checklist

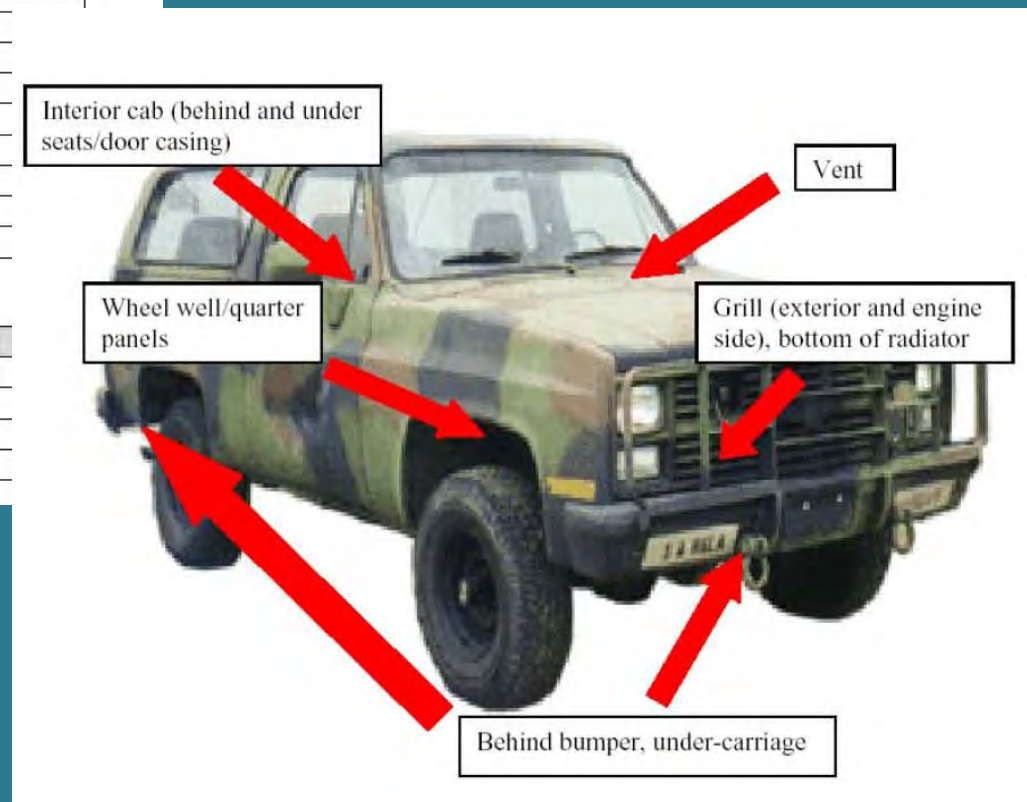
## Checklist C. Inspection and Cleaning Checklist

### Clothing and Gear:

Check for soil, seeds, and plant material	Inspected	Cleaned
1. Hats		
2. Hoods		
3. Collars		
4. Clothing folds or flaps		
5. Ventilation openings		
6. Pockets		
7. Zippers		
8. Straps or Velcro grips		
9. Belts or Buckles		
10. Buttons, fasteners, and rivets		
11. Laces or ties		
12. Gloves		
13. Pant cuffs		
14. Socks		

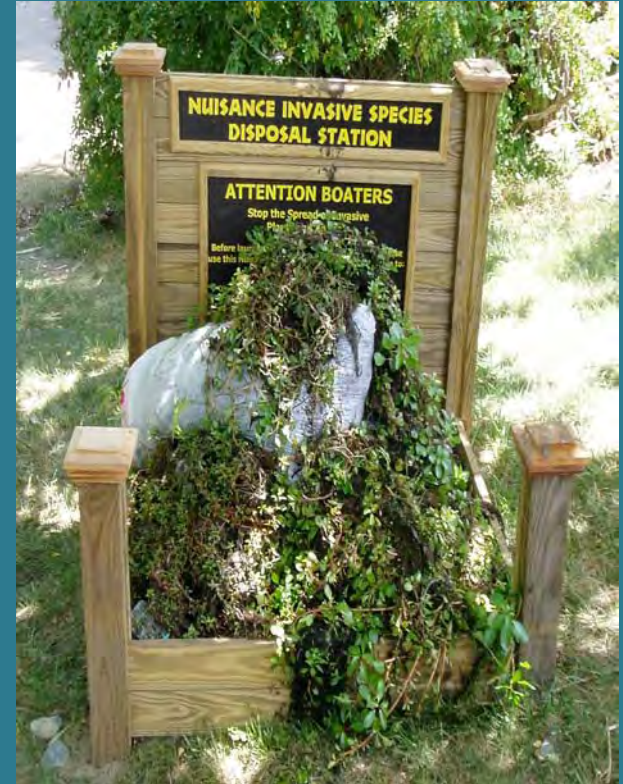
### Boots or Shoes:

Check for soil, seeds, and plant material	Inspected	Cleaned
1. Shoelaces or ties		
2. Straps or Velcro grips		
3. Shoe tongues		
4. Treads		





# Waste Disposal



Dispose of material properly.

# BMP Checklists by Activity

Checklist B: Project Implementation & Maintenance							
		Responsible party				Status	
BMP #	Best Management Practice	Project Manager	Field Supervisor	Crew	Contractor	Complete	Comments
<b>BEFORE YOU START</b>							
<b>PLANNING &amp; INVENTORY</b>							
PL1	Consult local groups and online resources for information on existing invasive plant infestations on and near worksites.						
PL2	Scout for invasive plant infestations on and near worksite before carrying out field activities.						
PL3	Include education on invasive plants in pre-work training.						
PL4	Plan overall worksite management to limit the introduction and spread of invasive plants.						
PL5	Integrate cleaning activities into planning for land management activities.						
PL6	Plan to reduce disturbance impact during land management activities.						
PL8	Educate all worksite users about preventing invasive plant spread.						
<b>PROJECT MATERIALS</b>							
PM1	Plan to use a weed-free source for project materials.						
<b>WASTE DISPOSAL</b>							
WD1	Designate waste disposal areas for invasive plant materials.						

# Land Manager Prevention BMPs

Available at:  
[www.cal-ipc.org](http://www.cal-ipc.org)

## Preventing the Spread of Invasive Plants:



## Best Management Practices for Land Managers

California Invasive Plant Council

# Thank You

Technical Advisory Team

Funders

American Recovery and Reinvestment Act funding from  
USDA Forest Service, State and Private Forestry  
through California Department of Food and Agriculture

Cal-IPC is an equal opportunity employer.

Questions?