

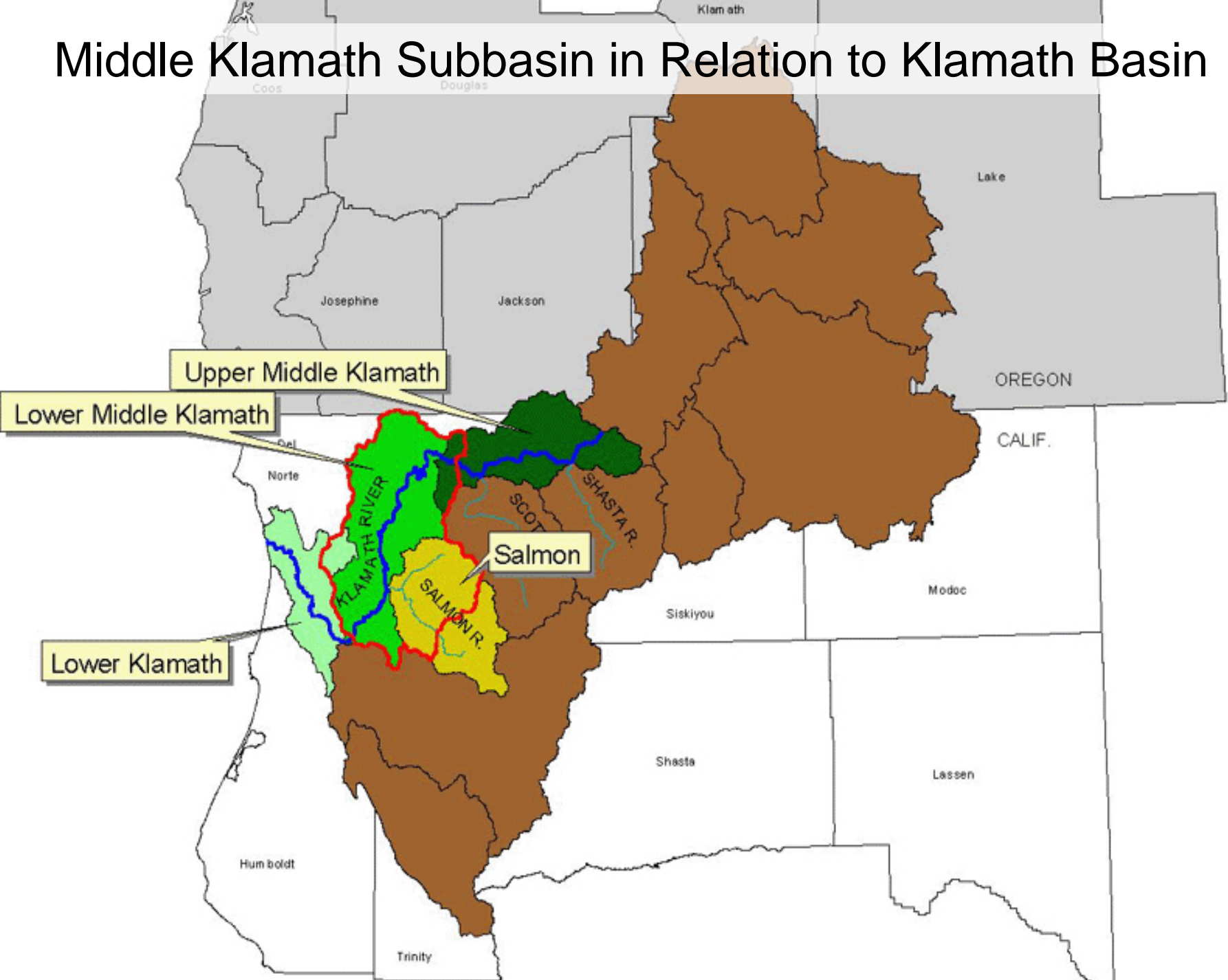
Mid Klamath Watershed Council

A collaborative approach to invasive weeds management

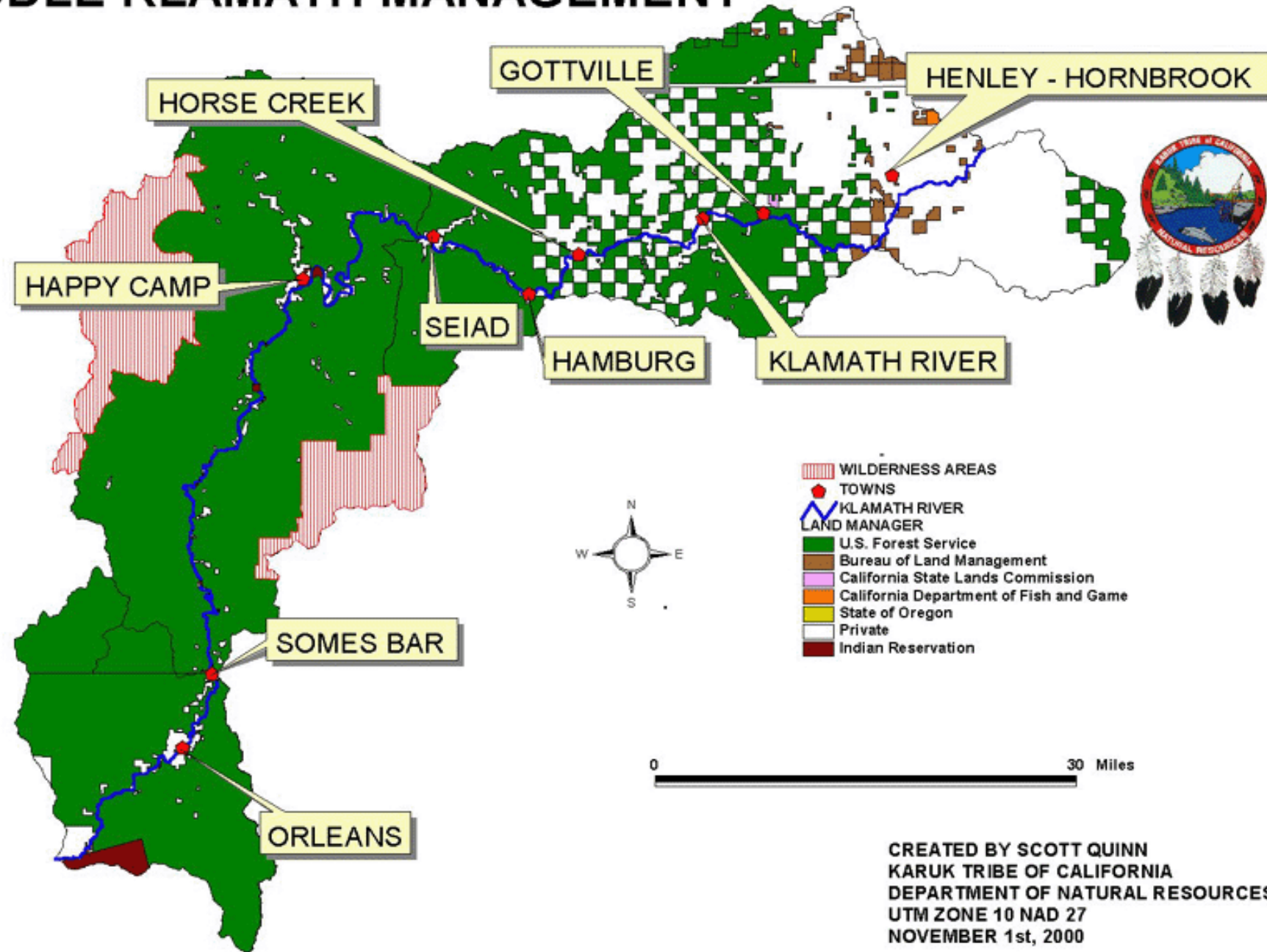
Tanya Chapple, Invasive Weeds Management Program Director



Middle Klamath Subbasin in Relation to Klamath Basin



MIDDLE KLAMATH MANAGEMENT





Klamath Canyon, Offield Mtn. Salmon River Confluence

Mid Klamath Watershed Council

Vision & Mission

- We envision the diverse communities of the Klamath Basin working together to restore our watershed resources to their historic abundance and function so that our children and their children will have the opportunity to live here with sustainable livelihoods.
- The mission of the Mid Klamath Watershed Council is to collaboratively plan and implement watershed restoration, coordinate education on land management issues, and promote community vitality by operating a community center and creating sustainable local economic opportunities.

Mid Klamath Watershed Council

Programs

- Fisheries
- Fire & Fuels
- Foodsheds
- Watershed Education
- Native Plants
- Roads
- Panamnik Building & Community
- *Invasive Weeds Management*



Invasive Weeds Management Program



Invasive Weeds Management Program

Goals

- to effectively and safely manage invasive plant species throughout the mid-Klamath region.
 - prevent the establishment of new invasive species
 - to control and eradicate targeted species already present in the area



Invasive Weeds Management Program

Methods

- regional collaboration with agencies, tribes and organizations
- emphasize community involvement and education
- Utilize non-toxic management of invasive weeds
 - Manual removal
 - Mulching
 - Early detection/rapid response
 - Mapping/inventory



Mid Klamath Regional Weeds Management Collaborative

- Six Rivers National Forest
 - Orleans Ranger District
- Klamath National Forest
 - Ukonom & Happy Camp
- Yurok Tribe
- Karuk Tribe
- Hoopa Tribe
- Salmon River Restoration Council
- California Department of Transportation



Mid Klamath Regional Weeds Management Collaborative

What we do

- Plan collaborative workdays
- Discuss and Divide tasks
- Prioritize treatment and species
- Discuss current and future funding
 - Submit collaborative grant proposals



Invasive Weeds Projects

Klamath River

Upslope

Wilderness



Klamath River

Goal: to eradicate and control species that are isolated to the Klamath River riparian area.



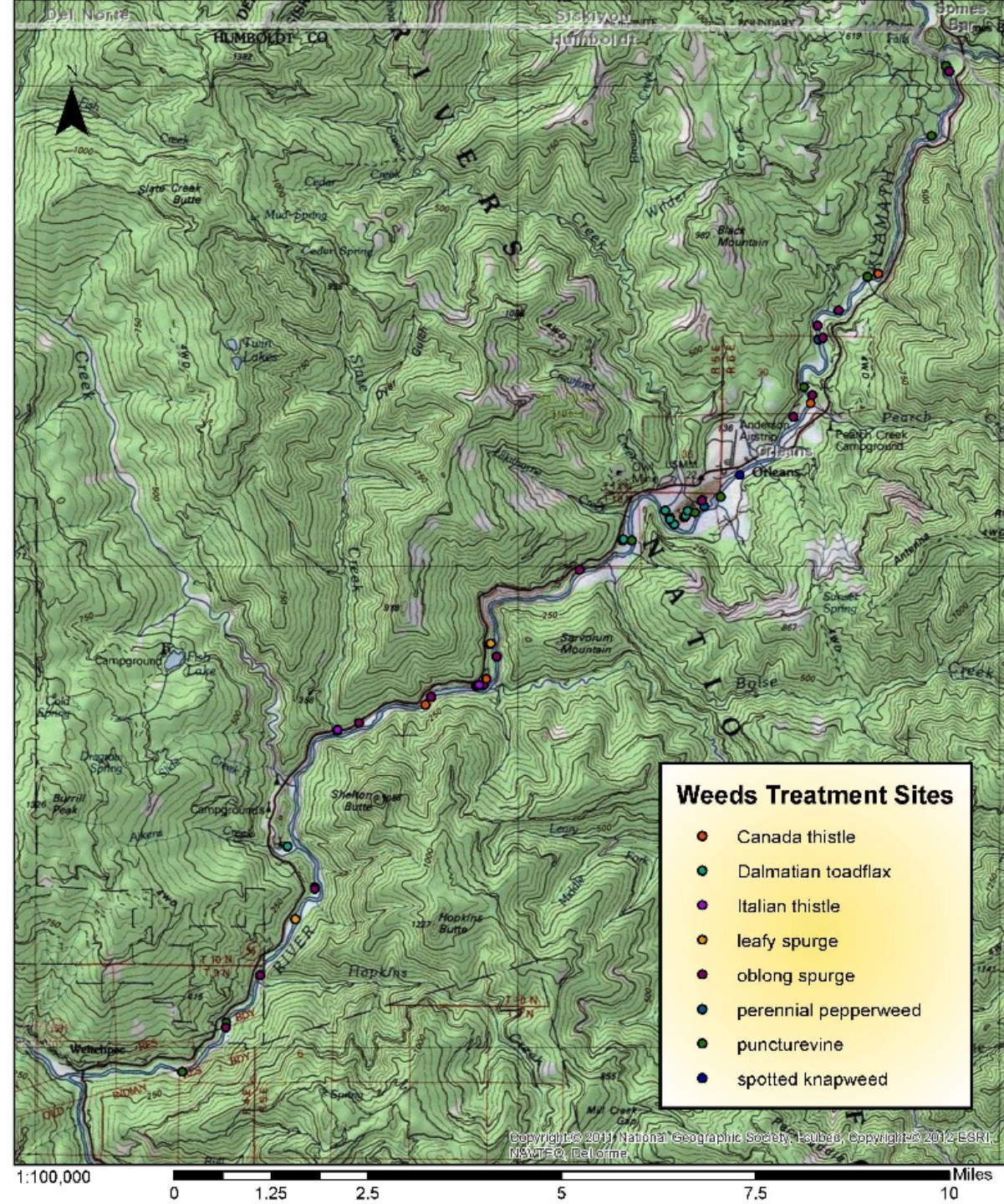
Klamath River

Targeted species

- Oblong spurge
- Leafy spurge
- Spotted knapweed
- Meadow knapweed
- Dalmatian toadflax
- Perennial pepperweed



Klamath River Volunteer Workdays



Upslope

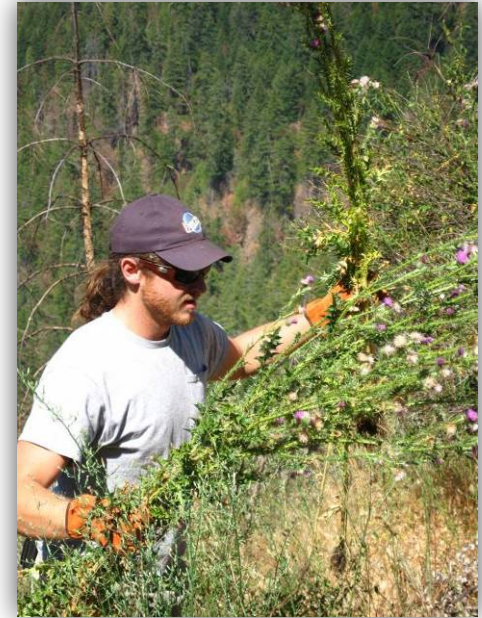
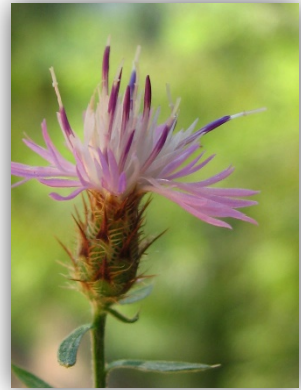
Goal: to eradicate isolated populations of prioritized species and to reduce weeds in our communities.



Upslope

Targeted species

- Knapweeds
- Brooms
- Yellow starthistle
- Dyer's woad
- Italian thistle
- Plumeless thistle



Upslope

Methods

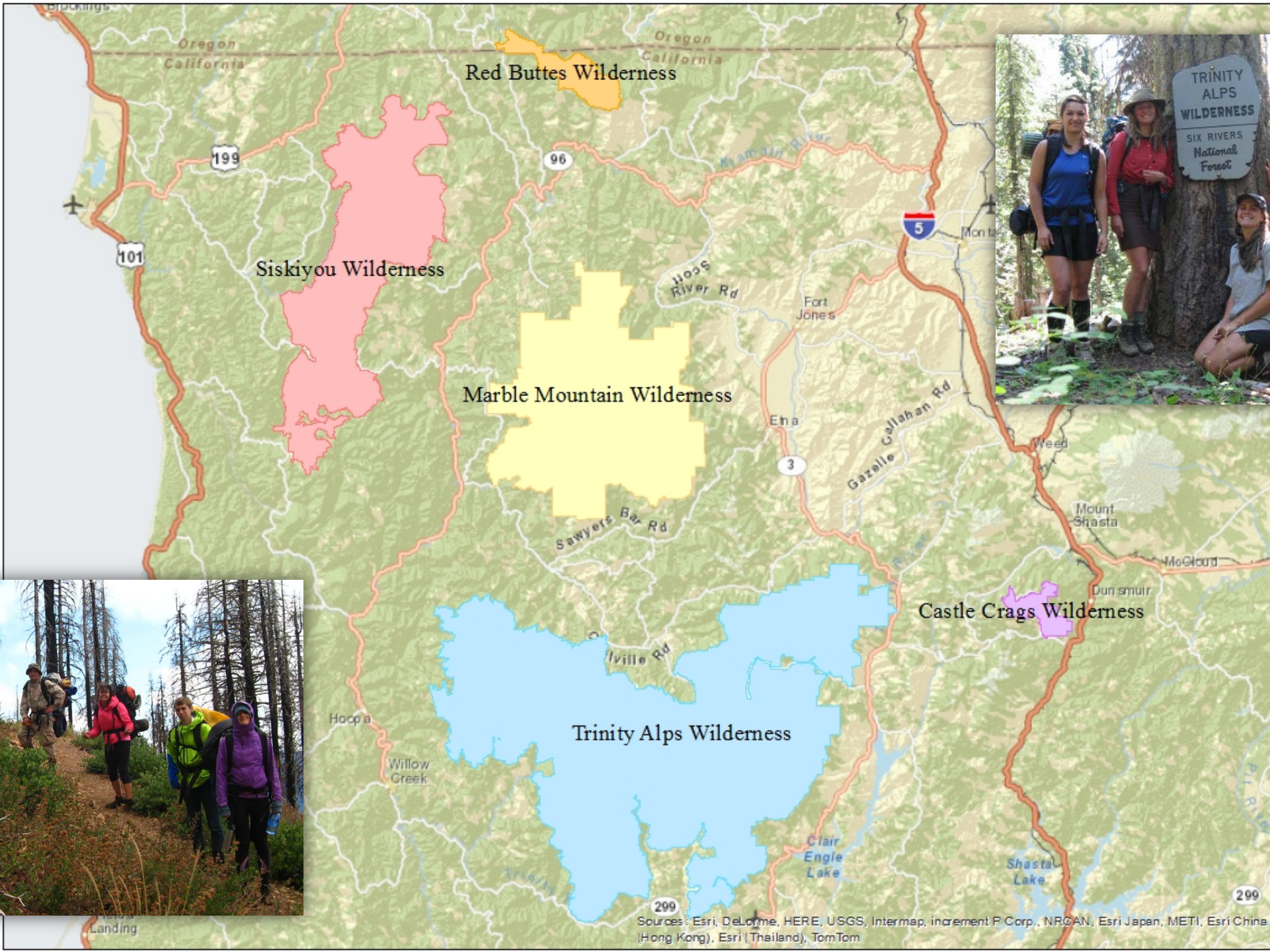
- Volunteer workdays
- School field trips
- Summer youth crew
- Forest Service agreements
 - Six Rivers priority sites
 - BAER



Wilderness

- Goal: to seek out, eradicate and control harmful non-native invasive plants in the high country



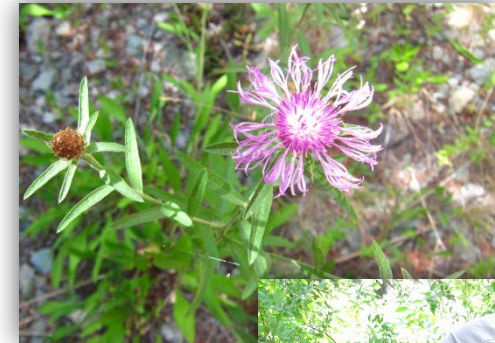


Landing

Wilderness Species

- Any priority species
 - Rated or prioritized by CDFG, WMA, Cal-IPC, USFS
- Non-native plants considered invasive

- Mostly see
 - St. John's wort (all wilderness areas)
 - Bull thistle (all wilderness areas)
 - Perennial sweet pea (Trinity Alps)
 - Cheat grass (Trinity Alps)
 - Meadow knapweed (Siskiyou)



Wilderness

Youth Crew

- Plant ID
- Backcountry skills
- GPS/mapping skills



Wilderness Partners

- National Forest Foundation
- National Forests
 - Klamath
 - Six Rivers
 - Shasta-Trinity
 - Rogue River-Siskiyou
- Salmon River Restoration Council



Invasive Weeds Management Program

Synopsis



Invasive Weeds Management Program

Timeline

- 2004 – it all begins! with community volunteer workdays
- 2005-present – meadow knapweed in Weitchpec
- 2007 – the Mid Klamath Regional Weeds Management Collaborative forms and meets annually
- 2007-present – USFS priority sites in Orleans & Ukonom RDs
- 2009-2011 – Invasive weeds BAER for 2008 Ukonom & Siskiyou Fires
- 2010-2014 – Klamath Wilderness Inventory Project
- 2012-present – comprehensive mapping of the Humboldt co. portion of the mid-Klamath River expands river work
- 2014 – emphasis returns to community workdays

Work with Six Rivers National Forest

MKWC Site statistics

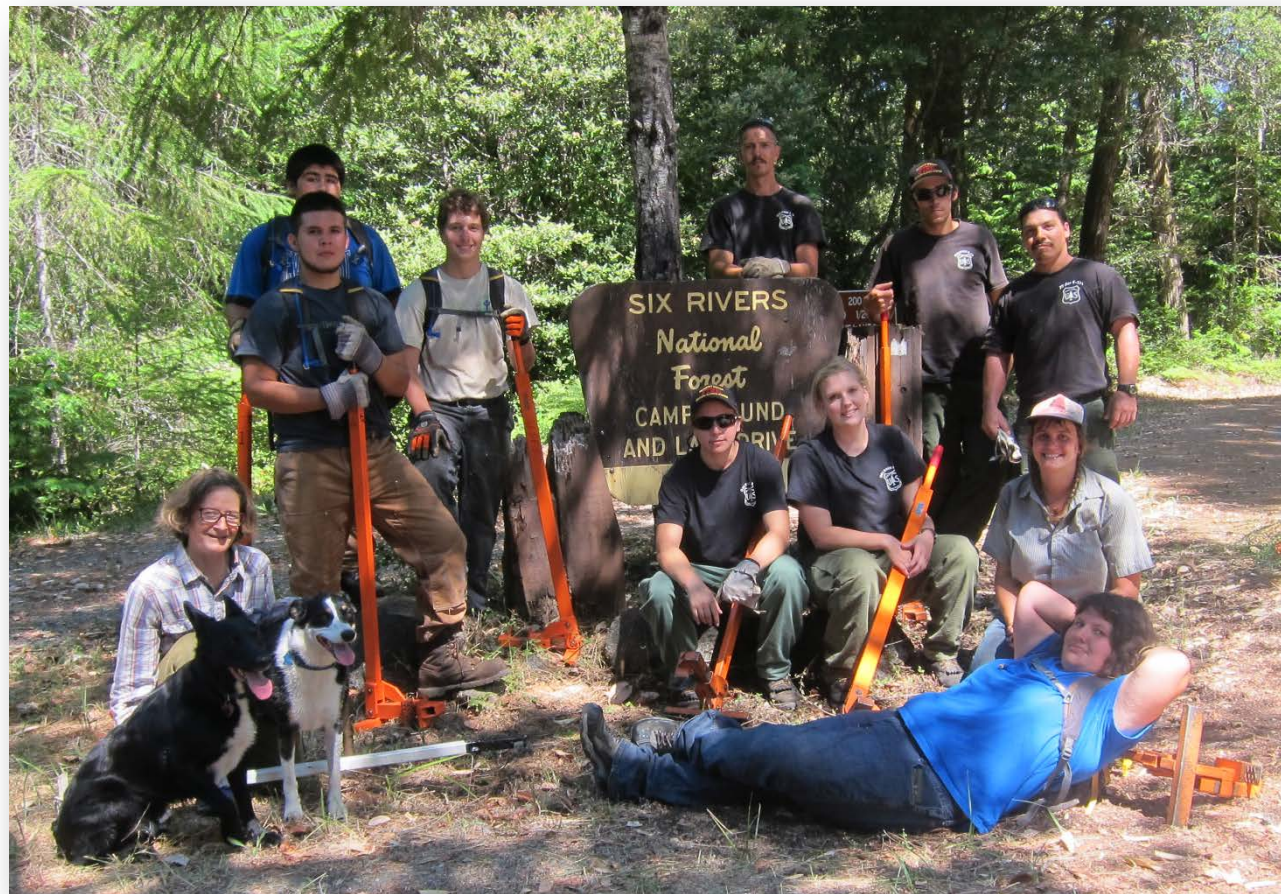
TOTAL number of site visits in all of MKWC's history	373
# of SITE_IDs for which MKWC is the treater	174
# of SITE_IDs that have received more than 1 visit	83
# of SITE_IDs with downward trends	52

Maximum # visits to any site	8
Average # visits	2.17
Maximum # plants ever	100000
Average # plants per site	1029

In Fiscal Year 2014:

Maximum # plants	2454
Average # plants per SITE_ID	253
# SITE_IDs that were NF	4

In Fiscal Year 2014, # plants present	# sites
0-20	21
21-50	4
51-100	3
101-500	5
501-100000	7





Ideas for the future

- Continue and expand joint projects with SRRC and Tribes
- Extend upriver – assist Happy Camp RD priorities
- Expand community volunteer efforts into all river communities
- *Any suggestions?*



Thanks to everyone!!

Volunteers, staff and partners since 2012

- Rudy Galindo
- Nancy Bailey
- Tammy Lightle
- Aja Conrad
- Galen Stevens
- Beby Alcantar
- Chris Root
- Theresa Hacking
- Joseph Smith
- Cassidy Little
- Petey Brucker
- Erin Rentz
- Joe Whiting
- Domenic Bongio
- Tony Escaldera
- Lisa Hoover
- Jerlina Love
- Green Jon
- Earl Crosby
- Nia Rogers
- Marla Knight
- Eileen Kurtzman
- Heather Campbell
- Kim Davis
- Karuna Greenberg
- Jillienne Bishop
- Joel Kurtzman
- Rita Keating
- Ron Reed
- Sylvia Gwozdz
- Misha Rejkovicz
- Meghan Noland
- Katie Oldknow
- Luna Latimer Lake
- Carol Earnest
- Ben Beaver
- Michelle Krall
- Pam Ward
- Dave Payne
- Nolan Colegrove
- Emily Driskill
- Dan Krall
- Sun Beaver
- Alyssa Algier
- Roberto Beltrans
- Nicholas Mountain
- Sinead Talley
- Orca Beaver
- Lewis Olson
- Bryan Souza
- Jimmy Peterson
- Jared Wilder
- Bob Beaver
- Maya Mollier
- Sam Berry
- Brian Pierce
- Zea Robbi
- Nat Pennington
- Geena Talley
- Priscella Kinney
- Barbara Rohr & family
- Lucius Robbi
- Ken Raitihn
- Lena Neuner
- Teri Chanturai
- Greg Weeks
- Erica Terence
- Heather Rickard
- Breanna Conrad
- Stormy Staats
- Joe Stolz
- Logan Frantz
- Courtney Brooks
- Johnathan Markin
- Annaka Wickstrom

