

Rocky Mountain Ranger District

Annual Invasive Plant Management Plan For 2016

Draft Example

A. Invasive Plant Management Partners for 2016.

- Rocky Mountain Front Weed Roundtable
- Sun River Watershed Group
- Bob Marshal Wilderness Foundation
- East Slope Back Country Horseman
- Teton County
- Pondera County

B. Current Agreements and Planned Agreements to be Incorporated into the 2016 Field Season.

1. Current Agreements

- The Rocky Mountain Front Weed Roundtable Memorandum of Understanding

2. Agreements Tentatively Planned for Development

- Master Participating Agreement with Pondera County
- Master Participating Agreement with Teton County

C. Projected Funding and Resource Availability for 2016.

1. Funded Sources and Project Amounts

- \$59,900 - USFS Invasives Program
- \$8,400 – USFS Wilderness Program
- TBD – GRANT Requests

2. Projected Resource Availability

- **Staff**
 - 2 dedicated invasives program seasonals
 - 10 fire program personnel (estimated 5 days per/minimum)
 - 2 wilderness rangers (estimated 30 days per)
 - Additional Ranger District staff days TBD
- **Equipment**
 - 5 ATVs
 - 2 spray trucks

- 1 water tender
- 20 backpack sprayers
- **Volunteer/Cooperative Events**
 - 13 cooperative weed management events (TENTATIVE)
 - Estimated 5-20 volunteers per event

3. **Planned Invasive Plant Management Actions for 2016.**

- i. Prevention, awareness and education programs.
 - Trailhead signage and education materials (Target 8 Trailheads).
 - Education and outreach at cooperative spray days.
- ii. Early detection and rapid response actions.
 - Early Detection and Rapid Response activities will be focused in the following areas (as defined by NRCS Hydrologic Unit Code 12 names and associated landscape boundaries).
 - Upper Smith Creek
 - Headwaters Dearborn River
 - Upper North Fork Teton River
 - Blindhorse Creek
 - Upper North Fork Sun River
 - Gibson Reservoir – **Blue Weed**
 - Lower South Fork Two Medicine River – **Orange and meadow hawkweed**
 - Wilderness Rangers and Invasives Program Seasonals will be the principle staff planned for EDRR actions in FY2016.
 - 40 days (20 days per ranger) total funding needed = \$5,600.
 - 20 days (10 days per Invasives seasonal) total funding needed = \$3,290.

iii. Integrated pest management actions for target invasive plant species.

| Priority Area/Location | Priority Species | Primary Management Strategy | Responsible Parties |
|-------------------------------|-------------------------|------------------------------------|-----------------------------|
| Middle Fork Teton River | Spotted knapweed | Containment | Invasives Program Seasonals |
| Middle North Fork Sun River | Spotted knapweed | Containment | Invasives Program Seasonals |
| Middle North Fork Sun River | Oxeye daisy | Containment | Invasives Program Seasonals |
| Hannan Gulch | Spotted knapweed | Containment | Invasives Program Seasonals |
| Hannan Gulch | Oxeye daisy | Containment | Invasives Program Seasonals |
| Sun River – Alkali Flat | Spotted knapweed | Containment | Invasives Program Seasonals |
| Lower North Fork Teton River | Spotted knapweed | Containment | Invasives Program Seasonals |
| Lower North Fork Teton River | Oxeye daisy | Containment | Invasives Program Seasonals |
| South Fork Teton River | Leafy spurge | | Invasives Program Seasonals |
| South Fork Teton River | Spotted knapweed | Containment | Invasives Program Seasonals |
| South Fork Teton River | Oxeye daisy | Containment | Invasives Program Seasonals |
| Blackleaf Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Green Gulch Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Summit Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Elk Creek Trailhead | Leafy spurge | Containment | Invasives Program Seasonals |
| Elk Creek Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| West Fk Teton Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Ron Janikula Trailhead | Spotted knapweed | Containment | Fire program personnel |
| Middle Fk Teton Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| South Fk Teton Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Mortimer Gulch Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Beaver Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |

| Priority Area/Location | Priority Species | Primary Management Strategy | Responsible Parties |
|-------------------------------|-------------------------|------------------------------------|-----------------------------|
| Straight Creek Trailhead | Spotted knapweed | Containment | Invasives Program Seasonals |
| Little Willow Trailhead | Oxeye daisy | Containment | Invasives Program Seasonals |
| Little Willow Trailhead | houndstongue | Containment | Invasives Program Seasonals |
| South Fk Sun Trailhead | Oxeye daisy | Containment | Invasives Program Seasonals |
| South Fk Sun Trailhead | houndstongue | Containment | Invasives Program Seasonals |
| Cave Mountain Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Wood Lake Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Elko Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Elko Campground | Oxeye daisy | Containment | Invasives Program Seasonals |
| Mill Falls Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Home Gulch Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| South Fork Sun Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| South Fork Sun Campground | Oxeye daisy | Containment | Invasives Program Seasonals |
| Benchmark Campground | Spotted knapweed | EDRR | Invasives Program Seasonals |
| West Fork Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Mortimer Gulch Campground | Leafy spurge | Containment | Invasives Program Seasonals |
| Mortimer Gulch Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Double Falls Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Double Falls Campground | Oxeye daisy | Containment | Invasives Program Seasonals |
| Summit Campground | Spotted knapweed | Containment | Invasives Program Seasonals |
| Family Peak Complex Fire | TBD | EDRR, Suppression | Contract |
| Sheep Mountain Fire | TBD | EDRR, Suppression | Contract |
| Moose Ridge Fire | TBD | EDRR, Suppression | Contract |

- 180 days (90 days per Invasives Seasonal) = \$29,601.90.
- 50 days (5 days per fire personnel) = \$6,000
- LCNF Weed IDIQ Contract Task Orders (fires) = TBD

iv. Invasive plant survey and inventory actions.

- The following are the Tier I survey/inventory actions for planned FY2016
 - The following fires occurred during the summer of 2015. Additional survey and inventory will be completed to fully inform invasive plant treatment needs within and surrounding the burned areas:
 - Family Peak Complex Fire
 - Sheep Mountain Fire
 - Moose Ridge Fire
 - The following areas have been identified as priority areas for Tier I survey/inventory actions:
 - Upper Elk Creek
 - Dearborn River – Blacktail Creek
 - Lower North Fork Teton River
 - The Invasives Program Seasonals will be the principle staff planned for Tier I survey/inventory actions in FY2016. .
 - 20 days (1 invasives program seasonal) = \$4,176.
 - It is anticipated that additional resources will be needed to complete Tier I survey/inventory actions within the aforementioned fires. Needs are estimated at 50 days. Total cost will depend on resources used (i.e., force account vs. contract) and are to be determined.
- The following are the Tier II survey/inventory actions planned for FY2016.
 - Five points were generated using stratified random generation process in ArcGis. Surveys/inventories will be completed on the way to the points and within the areas around the point. The following table identifies the location of the random points.

| Point Location (UTM) | Priority Area | Responsible Party |
|----------------------|----------------------------|-------------------|
| 365858, 5295381 | Biggs Creek | TBD |
| 368498, 5295915 | Upper Deep Creek | TBD |
| 373391, 5297546 | South Fork Willow Creek | TBD |
| 372382, 5299237 | North Fork Willow Creek | TBD |
| 372679, 5313445 | Muddy Creek – Rinker Creek | TBD |

- v. Implement and maintain an invasive plant monitoring program for all target invasive plant species according to direction provided within the Invasive Plant Monitoring Plan.
- Treatment Effectiveness Monitoring activities for FY2016 will be conducted within the following areas:
 - Hannan Gulch
 - Hannan Gulch proper
 - Wagner Basin
 - Middle South Fork Sun River
 - Sun River corridor beginning at Bechmark and ending at Pretty Prairie
 - Infestation Monitoring activities for FY2016 will be conducted within the following areas
 - Sun River – Alkali Flat
 - North side of river near forest boundary
 - The Invasives Program seasonals will be the principle staff planned for Monitoring actions in FY2016.
 - 12 days (6 days per invasives seasonal) = \$1,974.