

Methow –Hooker Creek

Description: This area is comprised of the portions of the 4150 and 4100 road systems located in the headwaters of Hooker Creek. All of the weed infestations are roadside. Diffuse knapweed is scattered and patchy along all roads. The area is typically dry ponderosa pine forest but the topography is conducive of some wetlands and ponds that have a mesic moisture requirement. There are only 3 known new invader weed sites.

Infested acres: 1.9

Total acres: 4,492

5th Field watershed: UPPER COLUMBIA - SWAMP CREEK, HUC 1702000505

Major Streams and Waterbodies: Hooker Creek headwaters wetlands

Elevation: 3100 to 4200 feet

Vegetation Type: Ponderosa pine, Douglas-fir, Lodgepole pine, Shrub steppe and Low elevation grassland, Conifer mix, and Riparian and Deciduous in wetlands.

Soils: developed mainly from glacial activity (continental and alpine) and from volcanic ash deposition on the surface; till left by the glaciers is generally coarse with soil textures mostly sandy loams and loamy sands with rock fragment content from 15 to 65 percent gravels, cobbles and stones.

Precipitation: 18-24 inches

Special Management Areas: None

Recreation: hunting and some dispersed camping

Grazing: Benson Cattle Allotment

TES, ISSSP Species: *Botrychium crenulatum*

Other land Ownerships: Private

Vectors of spread: Vehicle traffic, recreational use, livestock, and wildlife

Ongoing Treatments: 2 of the 4 new invader sites (HYPE, PORE5) continue to be treated. There has been no treatment of diffuse knapweed however bio controls have been effective in reducing the populations.

Existing NEPA: None

IWM Strategy: Use herbicides to control all new invader populations and to reduce the populations of diffuse knapweed where densities and spread potential are the highest. Continue to use biocontrol on diffuse knapweed populations outside of herbicide control areas. When effective, use manual control where new invader populations are small and where there are populations near water. Continue to monitor for new invaders. Continue to prevent and revegetate new soil disturbance.

Existing Sites and Treatment Objectives

| Species Code | Common name | Infested acres | # of sites | Site types | Objective |
|--------------|-------------------|----------------|------------|------------|-------------|
| CEDI3 | diffuse knapweed | 1.5 | 4 | | Containment |
| HYPE | St. Johnswort | 0.2 | 2 | | Containment |
| PORE5 | sulfur cinquefoil | 0.2 | 2 | | Control |