

## **Tonasket - North Fork Salmon Creek**

**Description:** This area has been influenced primarily by timber harvest activity in the 1970s, 1980s and 1990s. Fire has also had a significant impact on vegetation in the area with the most recent occurring in 2006. Areas disturbed by the fire have been revegetated to prevent erosion and weed invasion. These sites are being monitored for noxious weeds. Visitor use is moderate and is primarily used by the grazing permittee, hunters and sight seers. Most noxious weed infestations occur along road corridors and harvest units. Populations of Canada thistle and bromus tectorum are known to occur but have not yet been mapped in all locations.

**Infested acres:** 240

**Total acres:** 26,631

**5<sup>th</sup> Field watershed:** Salmon Creek

**Major Streams and Waterbodies:** N. F. Salmon Creek

**Elevation:** 3000 to 6000 feet

**Vegetation Type:** Douglas-fir, Lodgepole pine, Subalpine fir, Low elevation grassland/Shrub steppe, Conifer mix, Riparian and Deciduous

**Soils:** Soils within the watershed are derived from mixed origins of Cretaceous Intrusive Rock that is medium to coarse grained. Within the main drainages, thick deposits of glacial till, outwash, sands, gravels and small amounts of silts and clays. Valley floor and mantled uplands are filled with medium grained sands, coarse gravels and cobbles. Higher elevations tend to have shallow soils and exposed bedrock. Ash deposits can be found throughout.

**Precipitation:** 15-30 inches

**Special Management Areas:** 5 campgrounds, 1 snow park, 1 trailhead, 1 recreation residence.

**Recreation:** This watershed provides year-round recreation opportunities. Semi-primitive non-motorized, roaded natural and roaded modified. Dispersed camping, horseback riding, driving for pleasure, hunting, firewood gathering, and snowmobiling.

**Grazing:** Portions of B.S., Big Canyon, Clark, Deadhorse, Funk, and Mutton Creek grazing allotments are within this treatment area.

**TES, ISSSP Species:** *Botrychium crenulatum*, *Carex sychnocephala*, *Carex vallicola*

**Other land Ownerships:** Washington State Department of Natural Resources, U.S. Department of Fish and Wildlife, private.

**Vectors of spread:** Vehicle traffic, livestock, and wildlife.

**Ongoing Treatments:** Herbicide applications of picloram and glyphosate and hand pulling have been occurring since 1994 on existing populations of noxious weeds. Population densities have been reduced. Yellow hawkweed has just recently been discovered in this area at one location. A multi-jurisdictional project to control Common St. Johnswort was implemented in the Mineral Hill area four years ago. This project included releasing *Chrysolina hyperici* on St. Johnswort on several patches on State managed lands and herbicide applications elsewhere. *Chrysolina hyperici* was ineffective on reducing the populations so herbicide treatments were implemented.

**Existing NEPA:** All of this treatment area is covered under the 1997 and 2000 Okanogan National Forest Integrated Weed Management EAs and 3 sites are covered under the 1999 Okanogan National Forest Integrated Weed Management EA.

**IWM Strategy:** Use herbicides to control or eradicate new invader populations. Hand pull small new invader populations where manual treatment is effective. Continue to inventory for new invaders. Continue to revegetate soil disturbance. Currently, weed densities and locations in the area are not conducive to biological control agents.

### Existing Sites and Treatment Objectives

Species	SPECIES CODE	# of sites	Site types	Infested acres	Objective
Diffuse knapweed	CEDI3	16	ALL	105.64	Eradicate
Whitetop	CADR	1	6	.2	Eradicate
Common St, Johnswort	HYPE	14	ALL	77.76	Control
Canada thistle	CIAR4	5 +	ALL	4.3	Control
Sulfur cinquefoil	PORE5	2	1,6	5	Eradicate
Oxeye daisy	LEVU	1not mapped	1	1	Eradicate
Common fiddleneck	AMME12	1	1	.1	Control
Stinking Willie	SEJA	3	1,6	1.4	Eradicate
Gypsy flower	CYOF	5	1,6	45	CONTROL
Orange hawkweed	HIAU	1	6	.1	Eradicate
Common mullien	VETH	UNK	All	UNK	Tolerate
Bromus tectorum	BRTE	UNK	All	UNK	Tolerate