

## Entiat - 7 – Swakane Treatment Area

**Description:** This treatment area includes Swakane Canyon, which contains the largest concentration of Dalmatian toadflax on the District, and Burch Mountain. Dalmatian toadflax infests canyon hillsides on south facing slopes. Diffuse and spotted knapweed is present on roadsides and other disturbed areas.

**Infested acres:** 148.4

**Total acres:** 15,836 acres

**5<sup>th</sup> Field watershed:** Lake Entiat, Swakane Creek HUC 1702001003

**Major Streams and Waterbodies:** Entiat River, Mills creek, Dinkleman Creek, Roaring Creek.

**Elevation:** 1200-5700 ft.

**Vegetation Type:** primarily low elevation grassland, shrub steppe, dry Douglas fir and ponderosa pine forest, grand fir.

**Soils:** Sandy Loam

**Precipitation:** less than 10 to 15 inches/year

**Special Management Areas:** Thompson's Clover Research Natural Area.

**Recreation:** Dispersed camping, hiking, hunting, snowmobiling, motorcycle, horseback, and mountain bike riding.

**Grazing:** None (historic)

**TES, ISSSP plants:** *Iliamna longisepala*, *Trifolium thompsonii*

**Other land Ownerships:** Private, state

**Vectors of spread:** Vehicle traffic, recreational use, wildlife, wind.

**Ongoing Treatments:** The road system is spot-sprayed with picloram as part of the District weed control program. Biocontrols for Dalmatian toadflax have been released in multiple locations.

**IWM Strategy:** Monitor for new invaders. Continue to release toadflax biocontrols to attack hillside infestations. Spot spray toadflax along roads in order to help prevent spread to other canyons. Continue herbicide spot spraying of knapweed plants until numbers are reduced to the level that hand pulling is feasible. Eradicate the one small infestation of bull thistle before it spreads to more acres.

### Existing Sites and Treatment Objectives

Common Name	# of sites	site types	Infested acres	Objective
Diffuse knapweed	18	1,3,6	74.8	Control
Dalmatian toadflax	18	1,2,3,5,6	73.5	Control
Bull thistle	1	1	.1	Eradicate
<b>Totals</b>	<b>37</b>		<b>148.4</b>	