

TOC Nature Park

Weed Control Method	Priority	Status	Season	Date	% effective	Notes
Uplands and Wetlands Evaluation	Low	Completed	Spring	2015	0%	Conducted by Ryan Sparhawk in 2015
Burning	High	completed	Spring	2021	65%	One burn in 2017 . 2018-19 drought conditions and did not have trained manpower for burn. Conducted in Spring 2020 only 65% of park. Will try for a burn in 2021 spring.
Flood Irrigate	Low	Not Started	Summer	2021	0%	Last Flood Irrigation was 2016
Manual Extraction	Medium	started in 2020	Year round	2021	20%	Potential volunteer effort with schools or established "Friends of the Park" groups. Town staff does mitigation work on Canadian Thistle on adjacent hillside and has taken over maintenance of the Solar Array.
Goat Pasture Technique	Low	Not Started	Spring & Sum	2021	0%	Could be cost prohibitive on this parcel, unless we owned some goats.
Fertilization	Low	Not Started	Spring	2021	0%	
Over Seed	Low	Not Started	Spring & Fall	2021	0%	A reestablishment of some native plants in areas of noxious weed infestations.
Applying soil conditioners or organics	Low	Not Started	Spring	2021	0%	
Biologics : Introduced Rust Fungus	High	Started in 2015	Spring	4 year process	70%	Specific to the Canada Thistle, Colorado Department of Agriculture experiment on 1 patch, 148 stem in 2015 down to 44 stems in 2019.
Mowing regimen	Low	Summer mowing season	Seasonal	2021	30%	Path to Archery Range. And around Solar array fencing.
Watering Regimen	Low	Not Started	Seasonal	2021	0%	This was a suggestion from the 2015 Parks Recreation and Trails Master Plan. We only irrigate the trees and plants around the solar array on a schedule.
Avenger Spot Spray Burn Down natural, non-chemical herbicide	Low	Not Started	Spring	2021	0%	# of Gallons of avenger (6 to 1 ration with water) Lack of adequate staffing to conduct. Must re-apply every two weeks to be affective. Will try in solar array in 2021. Weed whacked instead.
Seek consultation with Natural Land Manager Specialists for next step	High	Not Started	Spring	2021	0%	This step will be necessary when the previous methods of weed mitigation are not successful.
Spot spray Use of chemical based Herbicide	Low	Not Started	Spring	2021	0%	This step will be necessary when the previous methods of weed mitigation are not successful.

Nature Park- The Friends of the Nature Park and the Roaring Fork Outdoor Volunteers joined forces in September to conduct a weed map of the property and to manual pull the known noxious weeds. We have identified some patches of *Common Burdock* (C-list) and *Hounds Tongue* (B -list). There is also *Canada Thistle* (B-list) and *Plumeless Thistle* (B-list). We will try to burn the park in the spring and organize another Friends of the Nature Park volunteer clean-up effort. We would like to fence off an experimental test plot area where we have identified the common burdock and the two thistles to the north and north west of the cabin (please see map). We will cut the area in half and spray half with *Avenger*, a burn down contact non-selective herbicide, and half with *Tenacity*, a selective systemic herbicide. This would be conducted in a post emergent situation on established weeds for a one time application trial to test the two techniques. Then return in four weeks to assess the efficacy of the products. We will continue to monitor and will try to propagate the rust fungus that is working on *the Canada Thistle*.