

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	Scheduled	Spring	2024	80%	Conducted in Spring 2020 only 65% of park. Burned 80 % in the 2021 spring. No burn was conducted in 2022 due to weather and manpower. 2023 15% burn in spring on the NW corner of the park. Area has never been burned before. Thick with Canada thistle
Flood Irrigate	Low	Not Started	Summer	2024	0%	Last Flood Irrigation was 2016
Manual Extraction	Medium	started in 2020	Year round	2024	10%	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. 80% effective
Goat Pasture Technique	Low	pursue for solar array	Spring & Summer	2024	0%	Could be cost prohibitive on this parcel, unless we owned some goats. Could be used in Solar array due to existing fence. Would need to close park due to dogs /goats.
Fertilization	Low	Not Started	Spring	2024	0%	Bee Happy Lands in disturbed areas in 2023 .Worked in experimental plots in 2023, Expand in 2024.
Over Seed	High	Experimental	Spring & Fall	2024	75%	Tried Fall 2021 for a reestablishment of some native plants in areas of noxious weed infestations post treatment or after manual eradication. 2022 seed application also. Continued in 2023 with Bee Happy Lands in disturbed areas.Worked in experimental plots
Applying soil conditioners or organics	Low	Not Started	Spring	2024	0%	Bee Happy Lands in disturbed areas in 2023 .Worked in experimental plots in 2023, Expand in 2024.
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. Insects are available, but provide limited control. Currently, collection and distribution methods for Canada thistle rust fungus are being refined.
Mowing regimen	Low	Summer mowing season	Seasonal	2024	30%	Path to Archery Range. And around and inside Solar array fencing.
Watering Regimen	Low	Not Started	Seasonal	2024	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	Started for the test plots in 2021	Spring	2024	0%	Must re-apply every two weeks to be effective. Will try in solar array and around cabin in 2022. Weed whacked and manually pulled in these locations instead.
Seek consultation with Natural Land Manager Specialists for next step	High	Started for the test plots in 2021	Spring	2024	20%	Consulting with a Natural Land Manager for the test plots Bee Happy Lands will return in 2024 to continue education and amendments to soil and overseeding.
Spot spray Use of chemical based Herbicide	Low	Started for the test plots in 2021	Spring	2024	20%	This step will be necessary when the previous methods of weed mitigation are not successful. See recommendation for 2023 below which will require approval by BOT.

Nature Park- The Friends of the Nature Park and the Roaring Fork Outdoor Volunteers joined forces in September 2021 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 burned the park in the spring 2021 but not in 2022 and only a portion in 2023. There is a need to organize another Friends of the Nature Park volunteer clean-up effort. We will continue to monitor and will try to propagate the rust fungus that is working on *the Canada Thistle*. Use *Bee Happy Lands* again for an education session and treatment of problem areas like the solar array.