

Stewardship for Buckwater

Lead Steward: Neil

2022-09-09

Boundary Issues

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Channel Issues

Year	Subtype	Issue	Description	Treatment
2021	Needs Livestakes		No live stakes	
2020	Channel Stability/Erosion	Erosion_Scour	severely eroded outside bend after bedrock drop area. Repaired by WLC on July 14 2021	Machine repair- installed boulder toe
2019	Failed Structure			
2019	Failed Structure	Failed/Not Functional	Large failed log sill. Piping around right side	
2019	Failed Structure		failed log sill. Water flowing under	

Vegetation Issues

Year Issue	Description	Treatment	Method	TreatDate
2021	Need tree release and some one gallon planting. Plan for planting ~50 containers, ring sprays, blackberry release, and amendments	brush cut blackberry.	Backpack Spray	04/2021
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	Cover crop		06/2022
2021	Need tree release and some one gallon planting. Plan for planting ~50 containers, ring sprays, blackberry release, and amendments	follow up spray with 2.5% triclopyr		06/2021
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	heavily seeded bare areas in P2 cuts with millet		08/2021
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	planted 325 new stems. Added soil amendment mix to planting holes for containers		
2021 Low Stem Density	Dense tall fescue. Add 30 one gallons and ring spray	ring sprays		03/2021
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	ring sprays- 2.5% glyphosate solution		
2021	Need tree release and some one gallon planting. Plan for planting ~50 containers, ring sprays, blackberry release, and amendments	Weedeat blackberry around trees	Mow	04/2022
2021 Low Stem Density	Needs about 25 more trees and ring sprays.			
2021 Low Stem Density	Old pond. Plant willows, elderberry, mulberry, and cottonwood. ~25 stems. Add live stakes along streams			
2021 Low Stem Density	Old field succession. Reduce sweet gum by 40%. Plan for blackberry release, 25 one gallons, and ring sprays			
2021 Low Stem Density	Needs 25 one gallons			
2021 Low Stem Vigor/Height & Density	Needs 20 one gallons. Add amendments now. Very few trees in veg plot			

Year Issue	Description	Treatment	Method	TreatDate
2020	Old field succession dominating area. Low planted stem density persists after tree plantings in early 2021	40 new bare root and 1-gallon containers planted- 300 stem/acre rate		02/2021
2020	Old field succession dominating area. Low planted stem density persists after tree plantings in early 2021	Cleared blackberry heavily competing with trees		04/2021
2020 Low Stem Vigor/Height & Density	Need replant- 150 stems/acre. 105 new stems. old pond- take soil sample	planted 105 new stems		02/2021
2020 Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	Planted 110 new bare roots and 1-gallons		02/2021
2020	replant 250 stems/acre- 25 new stems. treat fescue	planted 25 stems		02/2021
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	planted 263 new stems		02/2021
2020 Low Stem Vigor/Height & Density	replant 150 stems/acre- 45 new stems. low groundcover. Few trees are low vigor	planted 45 new stems		02/2021
2020 Low Stem Vigor/Height & Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays	Planted 640 stems. Ring sprays		02/2021
2020	replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021
2020 Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	ring sprays		03/2021
2020 Low Stem Vigor/Height & Density	Replant. Needs 150 stems per acre. Needs ring sprays. One round of ring sprays was previously completed in early spring 2020	ring sprays		03/2021
2020 Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	ring sprays		03/2021
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	ring sprays		03/2021
2020	replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021
2020 Low Stem Vigor/Height & Density	Replant. Needs 150 stems per acre. Needs ring sprays. One round of ring sprays was previously completed in early spring 2020	Ring sprays		03/2022
2020	Old field succession dominating area. Low planted stem density persists after tree plantings in early 2021	ring sprays- 2.5% glyphosate		03/2021

Year Issue	Description	Treatment	Method	TreatDate
2020 Low Stem Vigor/Height & Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays	Ring sprays. All N half. Some S half		04/2020
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 420 new stems. Poor soils	soil amendments		06/2021
2020 2020 Low Stem Vigor/Height & Density	replant 250 stems/acre- 25 new stems. treat fescue Replant. Needs 150 stems per acre. Needs ring sprays. One round of ring sprays was previously completed in early spring 2020	tree planting tree planting		02/2021
2020 Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	tree planting		02/2021
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 298 new stems. Need ring sprays	tree planting		02/2021
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 420 new stems. Poor soils	tree planting and soil amendments on every stem		02/2021
2020 Low Stem Vigor/Height & Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays			
2020 Low Stem Vigor/Height & Density	replant 150 stems/acre- 45 new stems. old haul road. trees damaged during repair			

Weed Issues

Year	Species1	Issue	Treatment	Method	TreatDate
2021	Chinese Privet	large stems	Cut stump	Cut Stump	02/2021
2021	Chinese Privet	Scattered privet. Some treated previously in 2019			
2021	Johnson Grass	Dense. Flowering in July 2021			
2021	Multiflora Rose	in trees- maybe cut stump			
2021	Sweet Gum	Dense sweet gum. Reduce by 50%			
2021	Sweet Gum	Reduce by 50%			
2021	Tree Of Heaven	Several trees. Stem inject	Cut stump and stem injection. Some resprouts may occur in future. Need to check next year.	Stem Injection	09/2021
2021	Tree Of Heaven	Sapling and pole sized. Mostly off CE	stem injection and cut stump. Neil	Stem Injection	10/2021
2019	Chinese Privet	cut stump			
2019	Multiflora Rose	Large clump. Treated spring 2021. Few shoots survive			
2019	Tree Of Heaven	2 large trees	stem injection. Two large stems	Stem Injection	09/2021
2019	Tree Of Heaven	Some large some sapling	stem injection	Stem Injection	09/2021

Miscellaneous Issues

Year	Subtype	Issue_Desc
2019	Soil Sample	BW-B
2019	Soil Sample	BW-C