

# Stewardship for Buckwater

Lead Steward: Neil

2022-10-17

## Boundary Issues

|| || || ||

## Channel Issues

Year	Subtype	Issue	Description	Treatment	TreatDate	Resolved
2022	Channel Stability/Erosion		Sills require fixing	Sills fixed	06/2022	Yes
2022	Channel Stability/Erosion	Erosion__Scour	Erosion	Live stakes	01/2022	Yes
2022	Channel Stability/Erosion		Sills require fixing	Fixed sills	02/2022	Yes
2022	Channel Stability/Erosion		Sills require fixing			Yes
2021	Needs Livestakes			Sills fixed	06/2022	No
2021	Needs Livestakes		Needs live stakes. Finish polyline			No
2021	Needs Livestakes		No live stakes			No
2021	Needs Livestakes		Some live stakes. In stream veg			No
2021	Channel Stability/Erosion		Some erosion on bank. Add some plugs			No
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	07/2021	Yes
2019	Failed Structure	Failed/Not Functional	Large unfunctioning log sill			No

Year	Subtype	Issue	Description	Treatment	TreatDate	Resolved
2019	Failed Structure					No
2019	Failed Structure					No
2019	Failed Structure		2 failed rock sills			No
2019	Failed Structure	Failed/Not Functional	Large failed log sill. Piping around right side			No
2019	Failed Structure	Piping	Log sill. Piping readily on right side			No
2019	Failed Structure		failed log sill. Water flowing under			No

## Vegetation Issues

Year Issue	Description	Treatment	Method	Treat Date	Resolved
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	No
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	No
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	No
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	heavily seeded bare areas in P2 cuts with millet		08/2021	No
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			No
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	ring sprays- 2.5% glyphosate solution			No
2021 Bare Areas & Low Stem Density	Continue seeding, amendments, and plant willow poles	Cover crop		06/2022	No
2021 Low Stem Density	Dense tall fescue. Add 30 one gallons and ring spray	ring sprays		03/2021	No
2021 Low Stem Density	Needs about 25 more trees and ring sprays.				No
2021 Low Stem Density	Old pond. Plant willows, elderberry, mulberry, and cottonwood. ~25 stems. Add live stakes along streams				No
2021 Low Stem Density	Old field succession. Reduce sweet gum by 40%. Plan for blackberry release, 25 one gallons, and ring sprays				No
2021 Low Stem Density	Needs 25 one gallons				No
2021 Low Stem Vigor/Height & Density	Needs 20 one gallons. Add amendments now. Very few trees in veg plot				No
2020	replant 250 stems/acre- 25 new stems. treat fescue	tree planting		02/2021	Yes

Year Issue	Description	Treatment	Method	Treatment Date	Resolved
2020	replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021	Yes
2020 Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	Planted 110 new bare roots and 1-gallons		02/2021	Yes
2020 Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	ring sprays		03/2021	Yes
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	tree planting			Yes
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	Yes
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	Yes
2020 Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	tree planting		02/2021	Yes
2020 Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	ring sprays		03/2021	Yes
2020 Low Stem Vigor/Height & Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays				Yes
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	Yes
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	Yes
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 298 new stems. Need ring sprays	tree planting		02/2021	Yes
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	planted 263 new stems		02/2021	Yes
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	ring sprays		03/2021	Yes
2020	replant 250 stems/acre- 25 new stems. treat fescue	planted 25 stems		02/2021	Yes

Year Issue	Description	Treatment	Method	TreatDate	Resolved
2020	replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021	Yes
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	Yes
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	Yes
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	Yes
2020 Low Stem Vigor/Height & Density	replant 175 stems/acre- 420 new stems. Poor soils	soil amendments		06/2021	Yes
2020 Low Stem Vigor/Height & Density	replant 150 stems/acre- 45 new stems. old haul road. trees damaged during repair				Yes
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	No
2020	Old field succession dominating area. Low planted stem density persists after tree plantings in early 2021	ring sprays- 2.5% glyphosate		03/2021	No
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	No

## Weed Issues

Year	Species1	Species2	Issue	Treatment	Method	TreatDate	Resolved
2021	Blackberry		Cut in April 2021. Spray in early spring 2022				No
2021	Chinese Privet		large stems	Cut stump	Cut Stump	02/2021	Yes
2021	Chinese Privet		some small. some resprouting previously treated large stems				Yes
2021	Chinese Privet		Scattered privet. Some treated previously in 2019				No
2021	Johnson Grass		Dense. Flowering in July 2021	Brush cut mature Johnson grass to the ground. Will spray once it regrows this fall	Mow	08/2021	No
2021	Johnson Grass		Dense. Flowering in July 2021				No
2021	Multiflora Rose		Treated in spring 2021. Few shoots survive. Treat in September 2021	sprayed out		04/2021	No
2021	Multiflora Rose		in trees- maybe cut stump				No
2021	Sweet Gum		Dense sweet gum. Reduce by 50%				No
2021	Sweet Gum		Dense sweet gum. Reduce by 50%				No
2021	Sweet Gum		Reduce by 50%				No
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	Yes
2021	Tree Of Heaven		Sapling and pole sized. Mostly off CE	stem injection and cut stump. Neil	Stem Injection	10/2021	Yes
2020	Chinese Privet		scattered little stems	hand pull	Hand Pull	02/2021	Yes
2019	Chinese Privet		Small patch				No
2019	Chinese Privet		cut stump				No

Year	Species1	Species2	Issue	Treatment	Method	TreatDate	Resolved
2019	Chinese Privet	Japanese Honey-suckle	cut stump (LISI)and foliar (LOJA)				No
2019	Japanese Honey-suckle						No
2019	Multiflora Rose		Large clump. Treated spring 2021. Few shoots survive				No
2019	Multiflora Rose		one large clump				No
2019	Tree Of Heaven		2 large trees	stem injection. Two large stems	Stem Injection	09/2021	Yes
2019	Tree Of Heaven		10 saplings. Cut stump	Neil	Cut Stump	10/2021	Yes
2019	Tree Of Heaven		One large tree half dead. Treated last two years	stem injection. previously treated	Stem Injection	09/2021	Yes
2019	Tree Of Heaven		One half dead large tree	stem injection. Was previously treated	Stem Injection	09/2021	Yes
2019	Tree Of Heaven		Some large some sapling	stem injection	Stem Injection	09/2021	No

## Miscellaneous Issues

Year	Subtype	Issue_Desc
2022	Soil Sample	BUC3B
2022	Soil Sample	BUC3A
2019	Soil Sample	BW-B
2019	Soil Sample	BW-B
2019	Soil Sample	BW-A
2019	Soil Sample	BW-C

Year	Subtype	Issue_Desc
2019	Soil Sample	BW-C