

# Stewardship for Shake Rag

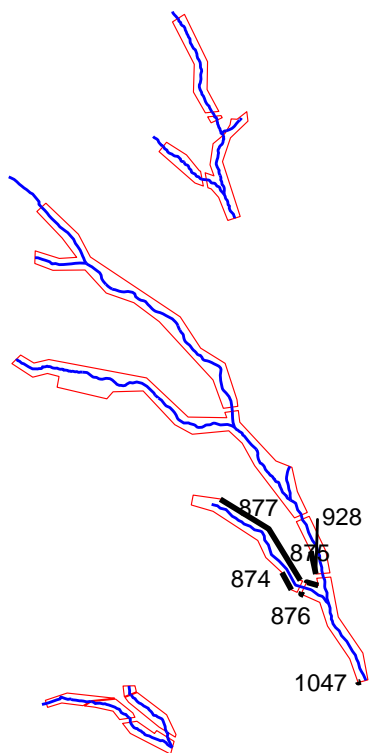
Lead Steward: Joe

2023-12-18

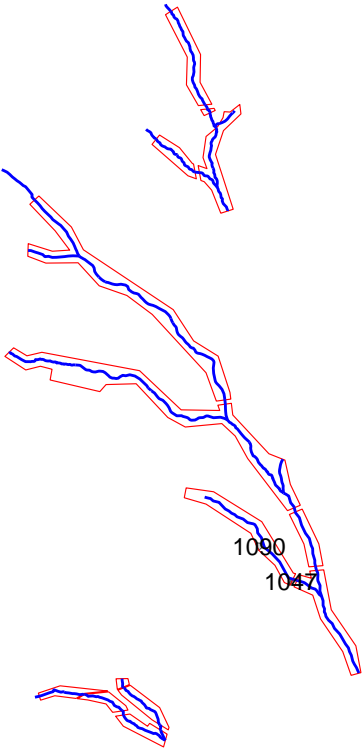
## Boundary Issues

OBJECTID	Year	Issue	Description	Treatment	TreatDate	Resolved
1047	2023	Mowing	slight mowing into CE	spoke to landowner- scared him with horse tape. Planted one 3 gallon white oak here	04/2023	Yes
928	2022	Mowing		Mimi and crew added one post to delineate boundary	10/2022	Yes
877	2022		mowing into CE about 3'			Yes
1090	2022	Mowing	Clearing related to water line installation	seeded with temp and permanent	01/2023	No
1090	2022	Mowing	Clearing related to water line installation	Planted about 7-10 1 gallon container trees	01/2023	No
1090	2022	Mowing	Clearing related to water line installation	seeded with temp and permanent. sprayed compost tea	04/2023	No
1090	2022	Mowing	Clearing related to water line installation	seeded millet and sprayed compost tea on disturbed areas including the edge of the soil road adjacent to the CE.	05/2023	No
1047	2022	Other	Landowner installed water line through CE	seeded with temp and permanent	01/2023	No
1047	2022	Other	Landowner installed water line through CE	planted 7-10 1 gallon containers	01/2023	No
1047	2022	Other	Landowner installed water line through CE	seeded with temp and permanent. Sprayed with compost tea	04/2023	No
1047	2022	Other	Landowner installed water line through CE	sprayed with compost tea. seeded bare areas with millet including bottom portion of the soil road and edge of road adjacent to CE	05/2023	No
874	2022	Mowing	Mowing through corner			No
875	2022	Mowing	Cut corner			No
876	2022	Mowing	Cut corner			No

Boundary Issues (lines)



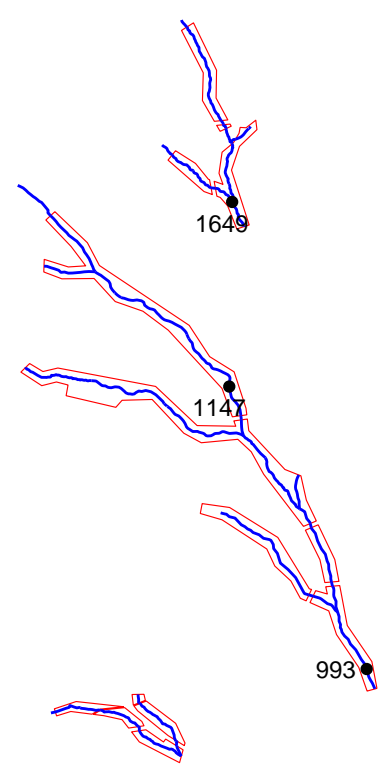
Boundary Issues (polygons)



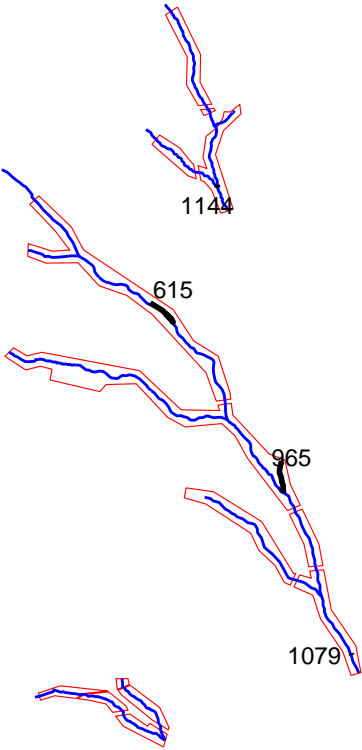
Channel Issues

OBJECTID	Year	Subtype	Issue	Description	Treatment	TreatDate	Resolved
1079	2023	Channel Stability/Erosion	ErosionScour	Left bank scour below rock structure; added plugs along toe			Yes
965	2023	Channel Stability/Erosion	AggradationDeposition	Aggradation and in-stream veg, pipe fed channel so flow is restricted and does not get storm flow power to transport sediment, keep an eye on to make sure no braiding is occurring	spray in stream vegetation with aquatic safe glyphosate	04/2023	No
1144	2023	Channel Stability/Erosion	ErosionScour	Trampled bank/bed area from cows in the easement			No
1147	2023	Failed Structure	Piping	water piping through bank. disappears from stream for about 50'	opened up hole some and filled it in with a mixture of sand, bentonite, pea gravel, and riffle stone. Water was still piping afterwards but may seal up	04/2023	No
1147	2023	Failed Structure	Piping	water piping through bank. disappears from stream for about 50'	added bentonite, pea gravel, soil, and small amount of sand to pool. Tamped everything down. Water started to back up a little bit.	05/2023	No
1147	2023	Failed Structure	Piping	water piping through bank. disappears from stream for about 50'	Sealed up holes in bank with limbs hammered in and gravel, sand, soil mixture. Water began flowing throughout top riffle that was previously dry	10/2023	No
1147	2023	Failed Structure	Piping	water piping through bank. disappears from stream for about 50'	worked with Ed. Water was still flowing down top riffle when we arrived. Sealed up more holes in the bank along that riffle with limbs and a gravel/soil mixture. More water was flowing down top riffle. Also worked to clog up hole at bottom of first pool.	10/2023	No
1147	2023	Failed Structure	Piping	water piping through bank. disappears from stream for about 50'	what Joe said, but additionally worked upstream to CG6and dug a clearer thalweg. water flowing throughout for time being.	11/2023	No
993	2023	Failed Structure	Piping	Piping under rock vane structure, minor scour on LBK			No
1649	2023	Failed Structure	Headcut	Starting to headcut just above confluence			No
615	2021	Needs Livestakes			Added live stakes where needed- Joe and Mimi	03/2022	Yes

Channel Issues (points)



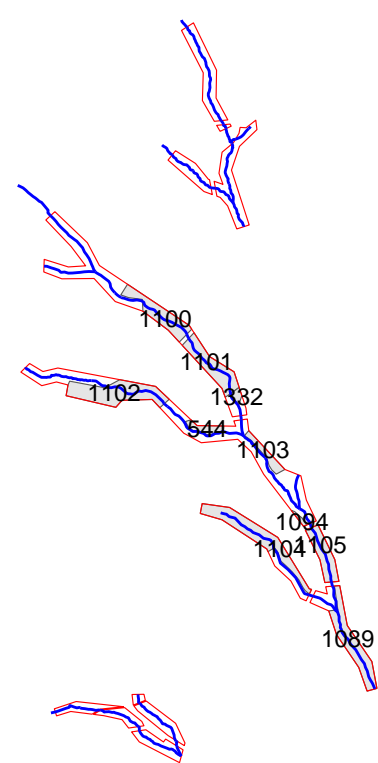
Channel Issues (lines)



Vegetation Issues

OBJECTID	Year	Issue	Description	Treatment	TreatDate	Resolved
1094	2023	Low Stem Vigor/Height and Density	Boundary not clearly marked here and area was mowed. dense pasture grass with tall fescue	boundary confusion resolved with new post. Planted 5 1 - 3 gallon trees	04/2023	No
1104	2023	Low Stem Vigor/Height	dense pasture grass, invasives	ring sprays, blackberry and invasives treatment	04/2023	No
1104	2023	Low Stem Vigor/Height	dense pasture grass, invasives	soil amendments (slow release 5-4-3, biochar, azomite, and soft rock phosphate) and repellex tablets on each tree on ft bank	05/2023	No
1101	2023	Low Stem Vigor/Height	dense fescue and pasture grass	ring sprays, blackberry and invasives Tx	04/2023	No
1101	2023	Low Stem Vigor/Height	dense fescue and pasture grass	soil amendments on trees on left bank	04/2023	No
1089	2023	Bare Areas and Low Stem Vigor/Height	some bare areas in cut. Soils very rocky. Tree density mostly ok but have been heavily browsed by deer.	Planted 9 trees (persimmon, white oak, sycamore, and 1 scarlet oak) in some gaps. Top dressed soil amendment in entire area (biochar, rock phosphate, azomite, and slow release organic fert- 5-4-3)	04/2023	No
1089	2023	Bare Areas and Low Stem Vigor/Height	some bare areas in cut. Soils very rocky. Tree density mostly ok but have been heavily browsed by deer.	sprayed bare areas with compost tea	04/2023	No
1089	2023	Bare Areas and Low Stem Vigor/Height	some bare areas in cut. Soils very rocky. Tree density mostly ok but have been heavily browsed by deer.	Repellex tablets on bottom third of left bank	05/2023	No
1089	2023	Bare Areas and Low Stem Vigor/Height	some bare areas in cut. Soils very rocky. Tree density mostly ok but have been heavily browsed by deer.	repellex tablets on top 2/3 of left bank. Compost tea and millet on bare areas	05/2023	No
1089	2023	Bare Areas and Low Stem Vigor/Height	some bare areas in cut. Soils very rocky. Tree density mostly ok but have been heavily browsed by deer.	seeded and strawed. Temp seed of crimson and ladino clover plus wheat and oats. Used permanent native mix found in project folder	10/2023	No
1100	2023	Low Stem Vigor/Height	dense tall fescue	ring sprays, blackberry and invasives treatment	04/2023	No
1103	2023	Low Stem Vigor/Height	dense pasture grass, invasives	ring sprays, blackberry and invasives treatment	04/2023	No
1102	2023	Low Stem Vigor/Height	dense pasture grass, deer browse	ring sprays, blackberry and invasives treatment	04/2023	No
1105	2023	Low Stem Vigor/Height	dense pasture grass, deer browse	ring sprays, blackberry and invasives treatment	04/2023	No
1105	2023	Low Stem Vigor/Height	dense pasture grass, deer browse	repellex tablets and soil amendments on left bank	05/2023	No
1332	2023	Low Stem Density	Wet seep area lacking woody stems, add livestakes			No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	seeded with cover crop mix- German millet, crimson clover, red clover, sun hemp, little bluestem, blackeyed susan, deertongue, indian grass, sprayed with compost tea	05/2022	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	sprayed with compost tea	04/2023	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	seeded with temp and permanent	01/2023	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	heavily seeded bare area with crimson clover. top dressed soil amendment. Planted 15 1-3 gallon container trees	04/2023	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	on bare areas- seeded with millet and sprayed with compost tea	05/2023	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	seeded with buckwheat and white millet	08/2023	No
544	2021	Bare Areas, Low Stem Vigor/Height and Density	Low ground cover. Needs seed. Very rocky soils	seeded and strawed. Temp seed of crimson and ladino clover plus wheat and oats. Used permanent native mix found in project folder	10/2023	No

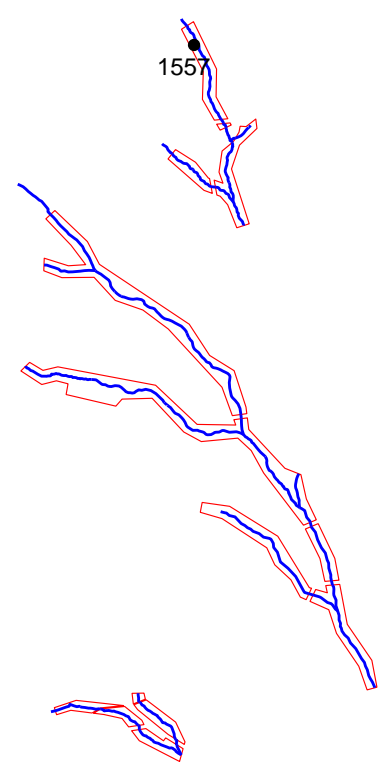
Vegetation Issues (polygons)



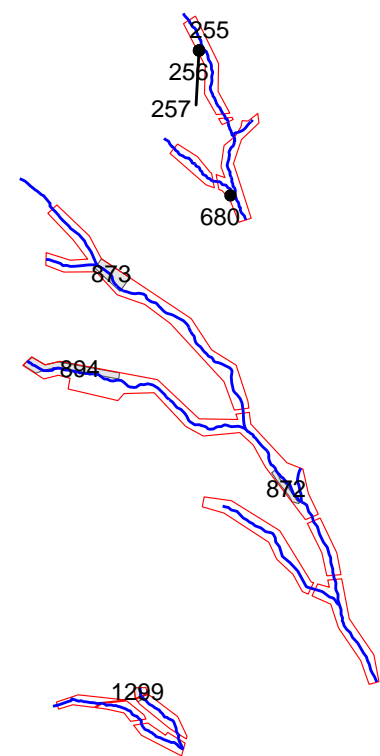
Weed Issues

OBJECTID	Year	Species1	Issue	Treatment
1557	2023	OTHER	Wavy basket grass. scattered but prevalent in slightly disturbed hillside. Learn more about native status	
1299	2023	Tree Of Heaven		cut stump in house
895	2022	Blackberry	Decrease by half	Ecoforesters crew treated this blackberry patch with the objective of 50 pct kill
678	2022	Chinese Privet		
675	2022	Chinese Silvergrass	One	
674	2022	Chinese Silvergrass	One	
736	2022	Chinese Silvergrass		
735	2022	Chinese Silvergrass		
874	2022	Oriental Bittersweet	dense	
871	2022	Oriental Bittersweet	Vines mixed into wooded side. Dense in some areas. Few vines in planted buffer. Be careful about non target damage.	Cut stump and foliar by Eco crew. Worked to limit non-target impacts tricky treatment. Some cut stump and some foliar. Hit some scattered multiflora as well
893	2022	Oriental Bittersweet	Cut stump with some foliar	careful to limit non-target impacts
677	2022	Oriental Bittersweet		Eco crew- foliar
875	2022	Princess Tree	about 10 medium stems	cut stump and hack and squirt dependent on size class
676	2022	Princess Tree	One sapling	
873	2022	Tree Of Heaven	saplings; treated but scattered resprouts noted 10/2/2023	Maybe some hack and squirt and foliar but mostly cut stump
894	2022	Tree Of Heaven	Saplings	mostly cut stump with some foliar on stems knee height and less
872	2022	Tree Of Heaven	Mostly small and sapling. 1-2 large tree	cut stump, hack and squirt, and maybe some foliar depending on size class
680	2022	Tree Of Heaven	one sapling	
673	2022	Wineberry	Few canes	foliar by Eco crew
878	2022	Wineberry		foliar Tx by Eco
250	2021	Chinese Silvergrass	One clump	
251	2021	Japanese Barberry	One	
252	2021	Japanese Barberry	One	
253	2021	Japanese Barberry	One	
254	2021	Japanese Barberry	One	
255	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	Andrea and Joe cut stump
255	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	Mimi and Joe finished area with cut stump
255	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	cut stump and foliar by Eco crew. Foliar occurred on stems less than chest height. Treatment caught some resprouts from spring treatment but mostly stuff that was missed. Treatment extended to saplings just north of CE boundary
255	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	cut stump of about 20 resprouts across whole area
256	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	
257	2021	Tree Of Heaven	1000 resprouts. Foliar or winter basal bark	

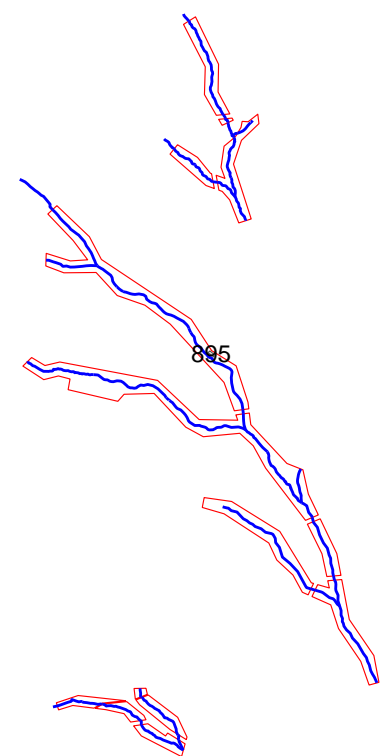
Weed Issues – OTHER



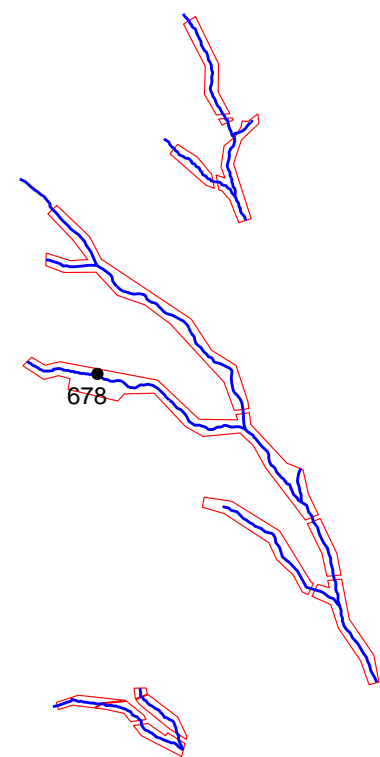
Weed Issues – Tree Of Heaven



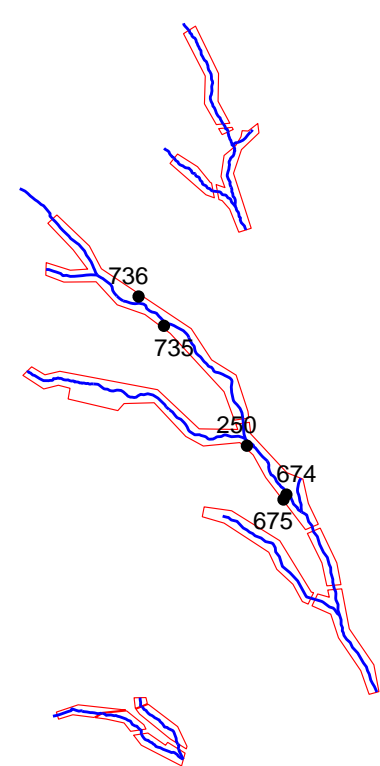
Weed Issues – Blackberry



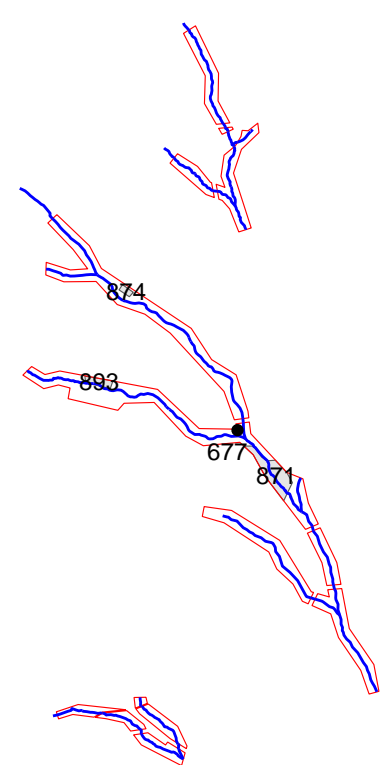
Weed Issues – Chinese Privet



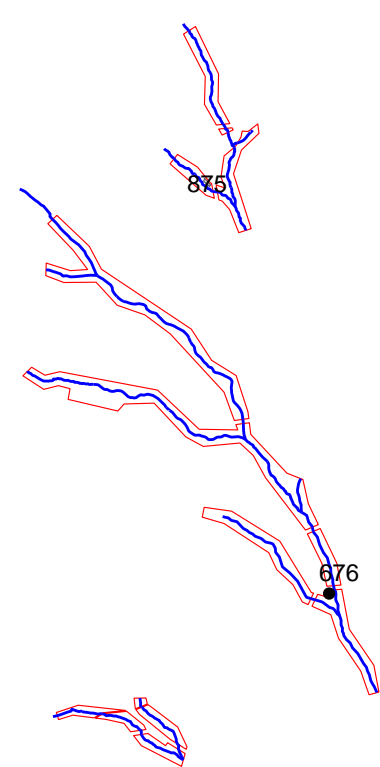
Weed Issues – Chinese Silvergrass



Weed Issues – Oriental Bittersweet

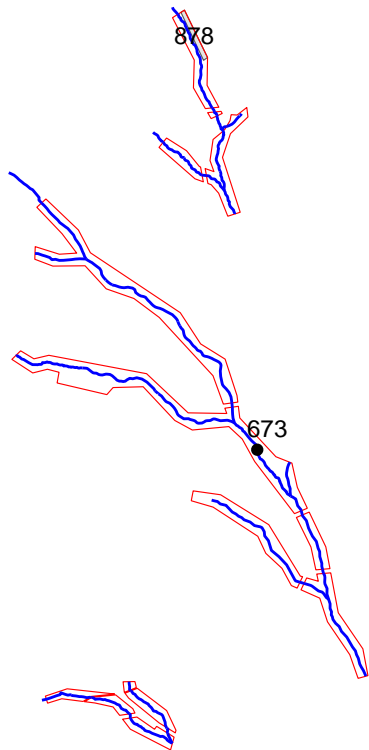


Weed Issues – Princess Tree

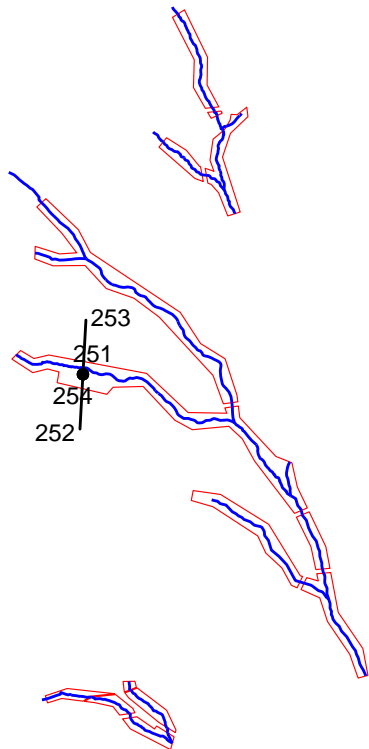




Weed Issues – Wineberry



Weed Issues – Japanese Barberry



Miscellaneous Issues