

Stewardship for Buckwater

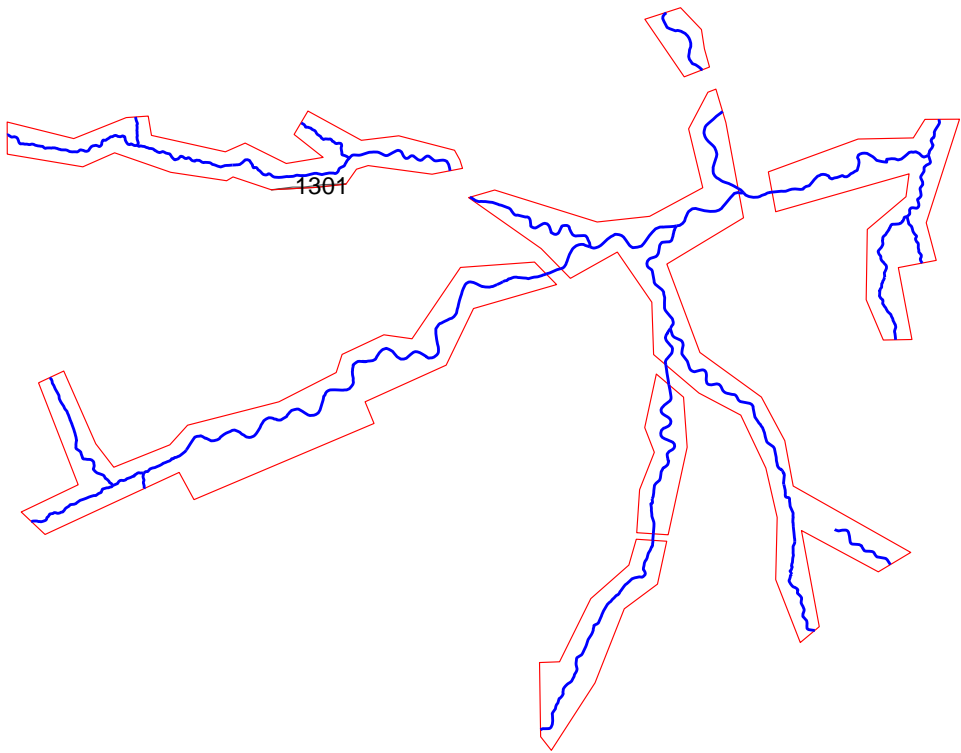
Lead Steward: Neil

2023-12-18

Boundary Issues

OBJECTID	Year	Description	Resolved
1301	2023	Powerline easement cutting encroachment	No

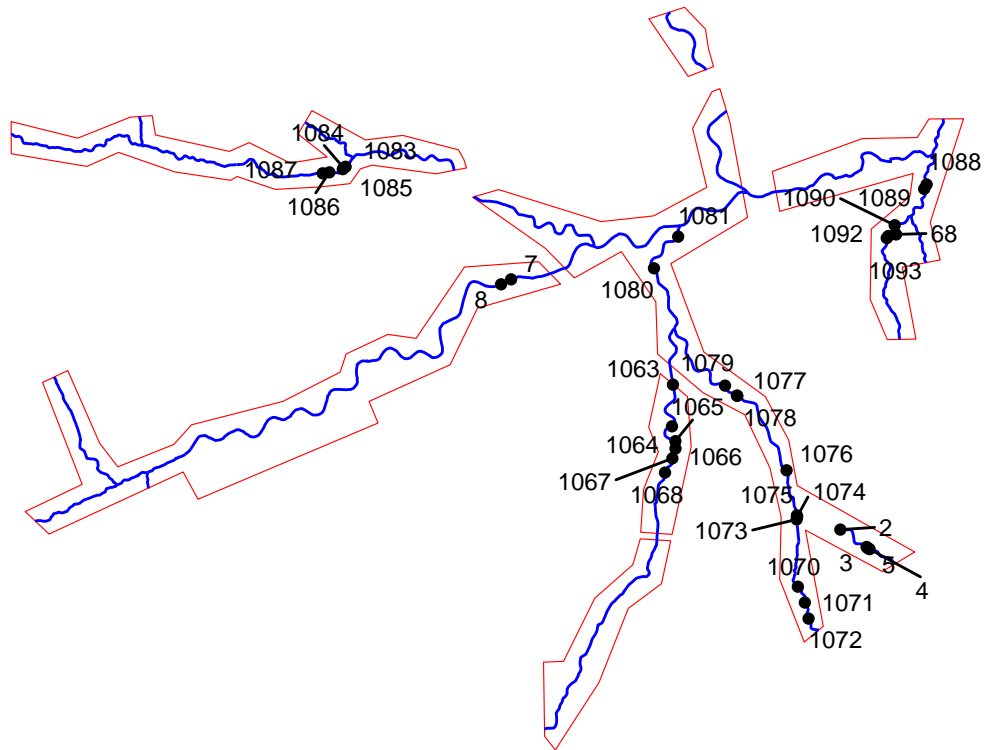
Boundary Issues (polygons)



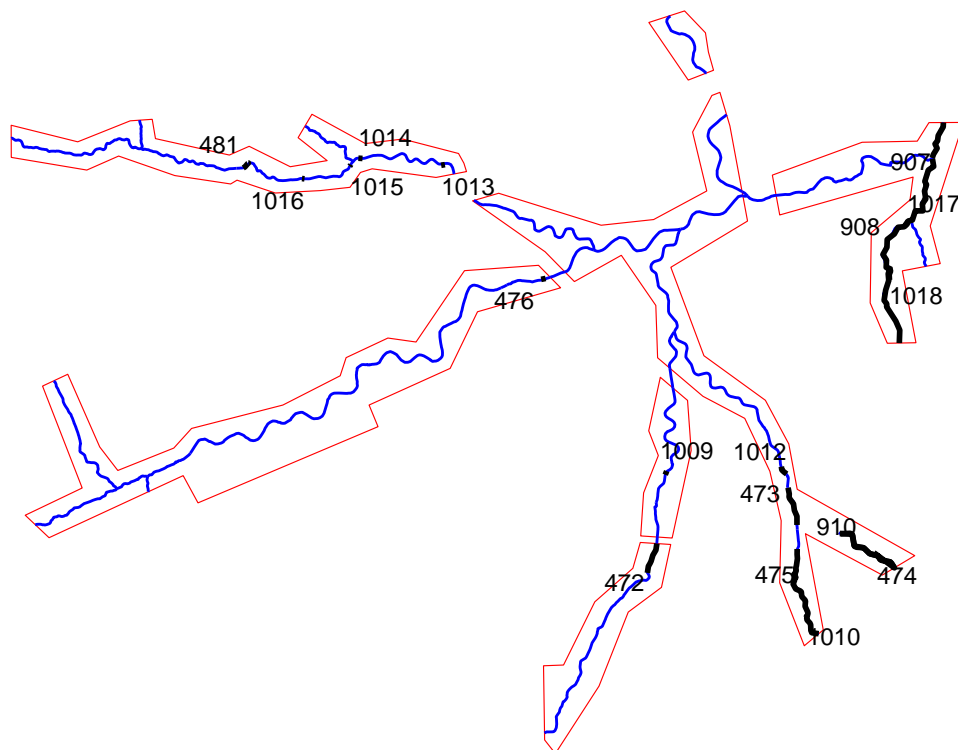
Channel Issues

OBJECTID	Year	Subtype	Issue	Description	Treatment	TreatDate	Resolved
1009	2023	Channel Stability/Erosion		three pipping log sills. probably not keyed in properly. massive hole on last log sill			No
1010	2023	Channel Stability/Erosion		DS rock sill pipping. riffle incised and material washed away. US log sill is pipping. log is rotten, nonfunctioning filter fabric. water stops a foot above the sill			No
1012	2023	Channel Stability/Erosion					No
1013	2023	Channel Stability/Erosion	ErosionScour	left bank scour. riffle incision			No
1014	2023	Channel Stability/Erosion		right bank scour. has been live staked. incision. needs to be watched			No
1015	2023	Channel Stability/Erosion		incision. not enough riffle material			No
1016	2023	Channel Stability/Erosion		riffle material not present. functioning like poll			No
1017	2023	Channel Stability/Erosion		rock sills holding grade but pipping under.			No
1018	2023	Channel Stability/Erosion		incision. no riffle material			No
2	2023	Failed Structure	Failed/Not Functional	4 large non functioning log sills and 1 rock sill.			No
5	2023	Failed Structure		4 failed rock sills. non functioning rock sills. no major grade control issues. no real bank erosion			No
1063	2023	Failed Structure		erosion left side of culvert. small plug fix. maybe need extra rock			No
1064	2023	Failed Structure		left bank starting to erode. could be fixed by hand. maybe with juncus plugs			No
1065	2023	Failed Structure		filter fabric washed over log. pipping under or around in right bank. potential to just remove log?			No
1066	2023	Failed Structure		water going under bank on left side. potential machine repair			No
1067	2023	Failed Structure		log sill not keyed in. right end exposed			No
1068	2023	Failed Structure		water eroding around right rock sill. visible bank exposure but live stakes preventing more erosion			No
1070	2023	Failed Structure		pippping rock sill. still holding grade			No
1071	2023	Failed Structure		pippping but hard to tell where. maybe going under bank on right side.			No
1072	2023	Failed Structure		bank erosion on both sides due to drop. needs some soil and plugs.			No
1073	2023	Failed Structure		non functioning rock sill. pipping around right bank. filter bank is present but not fully covering rock sill			No
1074	2023	Failed Structure		non functioning rock sill causing bank erosion and incision DS			No
1075	2023	Failed Structure		rock sill. water going around edges.			No
1076	2023	Failed Structure		perched culvert			No
1077	2023	Failed Structure		pippping rock sill on left bank. filter fabric is there but washed to the side. holding grade.			No
1078	2023	Failed Structure		water going around rock sill. up against boulder toe. holding grade			No
1079	2023	Failed Structure		channel over widening. can move rock around to protect bank			No
1080	2023	Failed Structure		not keyed in log sill			No
1081	2023	Failed Structure		water going under log vane. need to keep an eye on right bank			No
1083	2023	Failed Structure		pippping under log sill riffles incised. filter fabric is present. not holding grade			No
1084	2023	Failed Structure		piping under log sill. bank erosion upstream of log on right bank			No
1085	2023	Failed Structure		first failing log sill not keyed in. right bank erosion. pipping around. riffle incision			No
1086	2023	Failed Structure		need plugs on right bank to help prevent erosion			No
1087	2023	Failed Structure		left bank exposed but stable.			No
1088	2023	Failed Structure		needs plugs on right bank. log sill leaning into bank			No
1089	2023	Failed Structure		filter fabric present but pipping under log sill. currently holding grade			No
1090	2023	Failed Structure		log sill pipping under. water flows subsurface a foot above log sill			No
1092	2023	Failed Structure		pippping rock sill under. holding grade			No
1093	2023	Failed Structure		pippping rock sill around right bank. holding grade			No
907	2022	Channel Stability/Erosion	ErosionScour	Erosion	Live stakes	01/2022	Yes
908	2022	Channel Stability/Erosion		Sills require fixing	Fixed sills	02/2022	Yes
910	2022	Channel Stability/Erosion		Sills require fixing			Yes
473	2021	Needs Livestakes		No live stakes			Yes
474	2021	Needs Livestakes			Sills fixed	06/2022	No
472	2021	Needs Livestakes		Needs live stakes. Finish polyline			No
475	2021	Needs Livestakes		Some live stakes. In stream veg			No
476	2021	Channel Stability/Erosion		Some erosion on bank. Add some plugs			No
481	2020	Channel Stability/Erosion	ErosionScour	severely eroded outside bend after bedrock drop area. Repaired by WLC on July 14 2021	Machine repair- installed boulder toe	07/2021	Yes
3	2019	Failed Structure					No
4	2019	Failed Structure					No
7	2019	Failed Structure	Failed/Not Functional	Large failed log sill. Piping around right side			No
8	2019	Failed Structure	Piping	Log sill. Piping readily on right side			No
68	2019	Failed Structure		failed log sill. Water flowing under			No

Channel Issues (points)



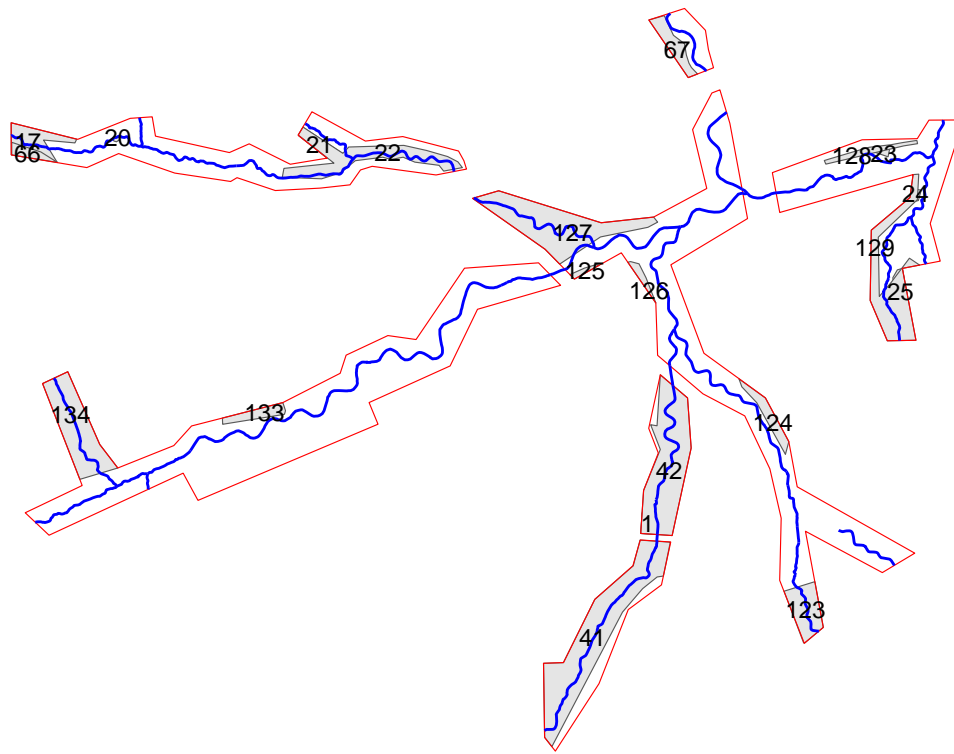
Channel Issues (lines)



Vegetation Issues

OBJECTID	Year	Issue	Description	Treatment	Method	TreatDate	Resolved
22	2021	Bare Areas and Low Stem Density	Continue seeding, amendments, and plant willow poles	heavily seeded bare areas in P2 cuts with millet		08/2021	No
22	2021	Bare Areas and Low Stem Density	Continue seeding, amendments, and plant willow poles	planted 325 new stems. Added soil amendment mix to planting holes for containers		08/2021	No
22	2021	Bare Areas and Low Stem Density	Continue seeding, amendments, and plant willow poles	ring sprays- 2.5 pct glyphosate solution		08/2021	No
22	2021	Bare Areas and Low Stem Density	Continue seeding, amendments, and plant willow poles	Cover crop		06/2022	No
22	2021	Bare Areas and Low Stem Density	Continue seeding, amendments, and plant willow poles	Cover crop		01/2023	No
25	2021	Low Stem Density	Dense tall fescue. Add 30 one gallons and ring spray	ring sprays		03/2021	No
17	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
17	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 pct triclopyr		06/2021	No
17	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
1	2021	Low Stem Density	Needs about 25 more trees and ring sprays.				No
20	2021	Low Stem Density	Old pond. Plant willows, elderberry, mulberry, and cottonwood. 25 stems. Add live stakes along streams				No
21	2021	Low Stem Density	Old field succession. Reduce sweet gum by 40 pct. Plan for blackberry release, 25 one gallons, and ring sprays				No
23	2021	Low Stem Density	Needs 25 one gallons				No
24	2021	Low Stem Vigor/Height and Density	Needs 20 one gallons. Add amendments now. Very few trees in veg plot				No
41	2020	Low Stem Vigor/Height and Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays			08/2021	Yes
41	2020	Low Stem Vigor/Height and Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays	Ring sprays. All N half. Some S half		04/2020	Yes
41	2020	Low Stem Vigor/Height and Density	Replant 200 stems/acre- 640 stems. dense tall fescue needs ring sprays	Planted 640 stems. Ring sprays		02/2021	Yes
126	2020		replant 250 stems/acre- 25 new stems. treat fescue	tree planting		02/2021	Yes
126	2020		replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021	Yes
42	2020	Low Stem Vigor/Height and Density	Replant. Needs 150 stems per acre. Needs ring sprays. One round of ring sprays was previously completed in early spring 2020	tree planting		08/2021	Yes
42	2020	Low Stem Vigor/Height and 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
42	2020	Low Stem Vigor/Height and 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	Yes
134	2020	Low Stem Vigor/Height and Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	planted 263 new stems		02/2021	Yes
134	2020	Low Stem Vigor/Height and Density	replant 175 stems/acre- 263 stems . treat dense tall fescue	ring sprays		03/2021	Yes
133	2020	Low Stem Vigor/Height and Density	replant 150 stems/acre- 45 new stems. low groundcover. Few trees are low vigor	planted 45 new stems		02/2021	Yes
127	2020	Low Stem Vigor/Height and Density	replant 175 stems/acre- 420 new stems. Poor soils	tree planting and soil amendments on every stem		02/2021	Yes
127	2020	Low Stem Vigor/Height and Density	replant 175 stems/acre- 420 new stems. Poor soils	soil amendments		06/2021	Yes
124	2020	Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	tree planting		02/2021	Yes
124	2020	Low Stem Density	replant 250 stems/acre- 75 new stems. treat fescue	ring sprays		03/2021	Yes
123	2020	Low Stem Vigor/Height and Density	Need replant- 150 stems/acre. 105 new stems. old pond- take soil sample	planted 105 new stems		02/2021	Yes
67	2020	Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	Planted 110 new bare roots and 1-gallons		02/2021	Yes
67	2020	Low Stem Density	Needs trees. Dense tall fescue needs ring sprays	ring sprays		03/2021	Yes
125	2020		replant 250 stems/acre- 25 new stems. treat fescue	planted 25 stems		02/2021	Yes
125	2020		replant 250 stems/acre- 25 new stems. treat fescue	ring sprays		03/2021	Yes
129	2020	Low Stem Vigor/Height and Density	replant 175 stems/acre- 298 new stems. Need ring sprays	tree planting		02/2021	Yes
128	2020	Low Stem Vigor/Height and Density	replant 150 stems/acre- 45 new stems. old haul road. trees damaged during repair				Yes
66	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
66	2020		Old field succession dominating area. Low planted stem density persists after tree plantings in early 2021	ring sprays- 2.5 pct glyphosate		03/2021	No
66	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

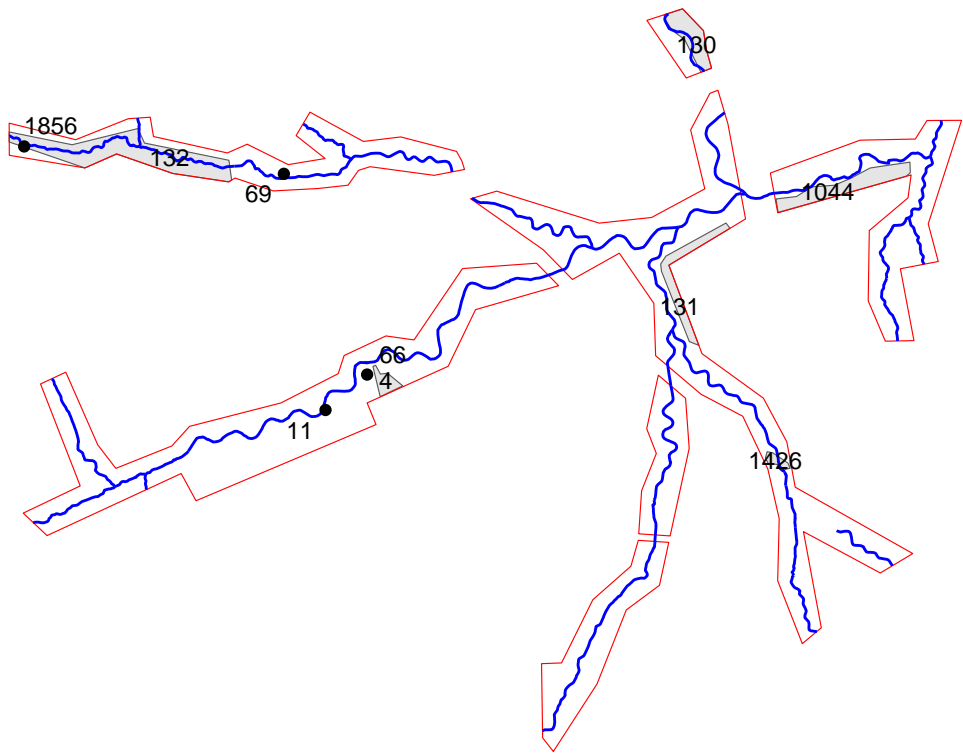
Vegetation Issues (polygons)



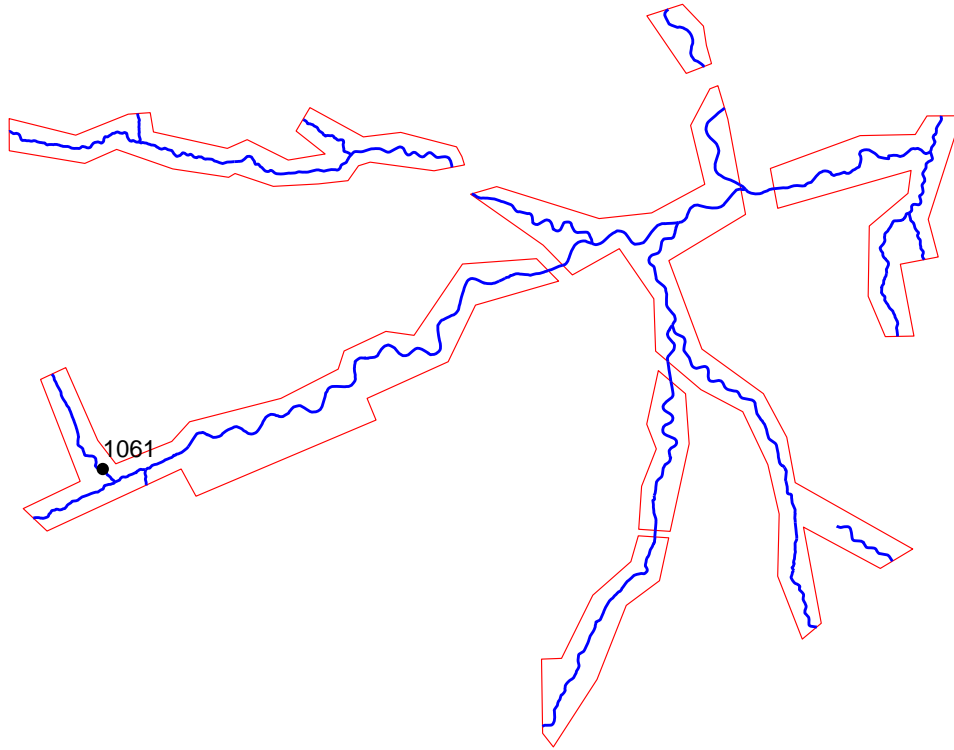
Weed Issues

OBJECTID	Year	Species1	Species2	Issue	Treatment	Method	TreatDate	Resolved
1044	2023	Chinese Privet	Japanese Honeysuckle	Privet	Privet Tx by contractor	Cut Stump	03/2023	No
1426	2023	Chinese Privet		Dense pocket of privet and LOJA				No
1856	2023	Chinese Privet		Privet chainsaw size				No
1061	2023	English Ivy		cut stump contained English ivy				No
1084	2023	Japanese Honeysuckle		fairly dense honeysuckle.				No
1069	2023	OTHER		raked out near culvert. ring sprays				No
1091	2023	OTHER		small in stream veg				No
1809	2023	Tree Of Heaven		2 large, several root suckers				No
1011	2023			rake out debris. would need brush cutters to remove blackberry. little flow through channel.				No
14	2021	Blackberry		Cut in April 2021. Spray in early spring 2022				No
131	2021	Chinese Privet		large stems	Cut stump	Cut Stump	02/2021	Yes
131	2021	Chinese Privet		large stems	Privet Tx by contractor	Cut Stump	03/2023	Yes
132	2021	Chinese Privet		some small. some resprouting previously treated large stems	Cutstump privet	Cut Stump	12/2023	Yes
4	2021	Chinese Privet		Scattered privet. Some treated previously in 2019				No
16	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
16	2021	Johnson Grass		Dense. Flowering in July 2021				
18	2021	Multiflora Rose		Treated in spring 2021. Few shoots survive. Treat in September 2021	sprayed out		04/2021	No
135	2021	Multiflora Rose		in trees- maybe cut stump				No
15	2021	Sweet Gum		Reduce by 50 pct	Thinned and treated sweet gum	Cut Stump	01/2023	No
2	2021	Sweet Gum		Dense sweet gum. Reduce by 50 pct				No
3	2021	Sweet Gum		Dense sweet gum. Reduce by 50 pct				No
5	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
19	2021	Tree Of Heaven		Sapling and pole sized. Mostly off CE				Yes
130	2020	Chinese Privet		scattered little stems	stem injection and cut stump. Neil hand pull	Stem Injection	10/2021	Yes
11	2019	Chinese Privet		Small patch	Privet removal along both sides of reach 4 including all points and polygons	Hand Pull	02/2021	Yes
								No
66	2019	Chinese Privet		cut stump				No
69	2019	Chinese Privet	Japanese Honeysuckle	cut stump (LISI)and foliar (LOJA)				No
65	2019	Japanese Honeysuckle						No
24	2019	Multiflora Rose		Large clump. Treated spring 2021. Few shoots survive				No
67	2019	Multiflora Rose		one large clump				No
1	2019	Tree Of Heaven		One large tree half dead. Treated last two years	stem injection. previously treated	Stem Injection	09/2021	Yes
9	2019	Tree Of Heaven		One half dead large tree	stem injection. Was previously treated	Stem Injection	09/2021	Yes
6	2019	Tree Of Heaven		2 large trees	stem injection. Two large stems	Stem Injection	09/2021	Yes
25	2019	Tree Of Heaven		10 saplings. Cut stump	Neil	Cut Stump	10/2021	Yes
10	2019	Tree Of Heaven		Some large some sapling	stem injection	Stem Injection	09/2021	No

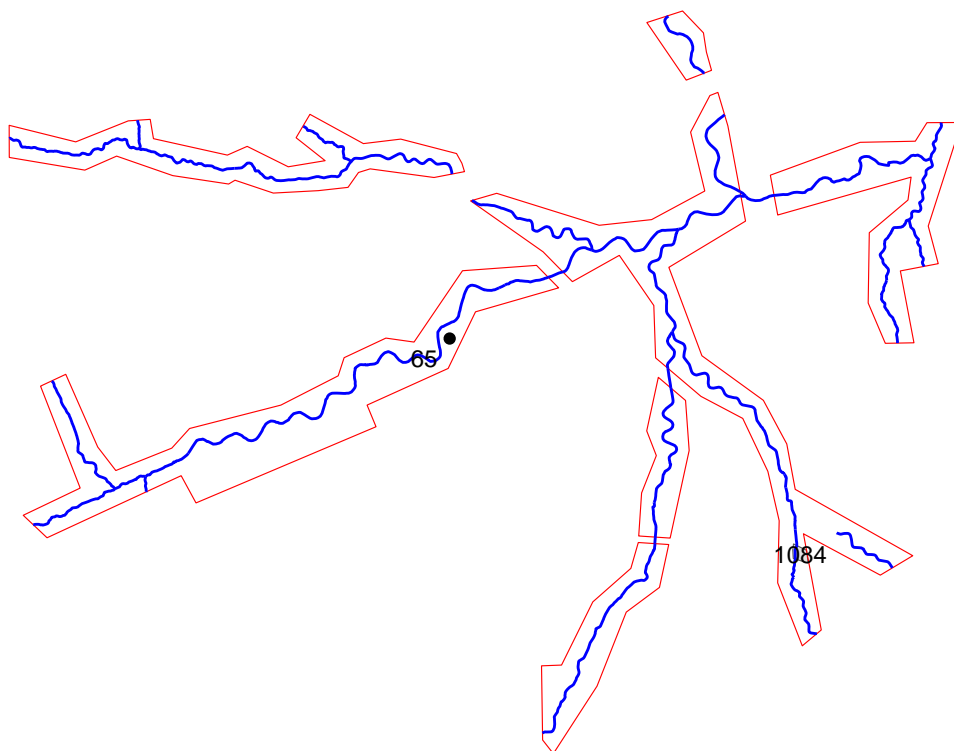
Weed Issues – Chinese Privet



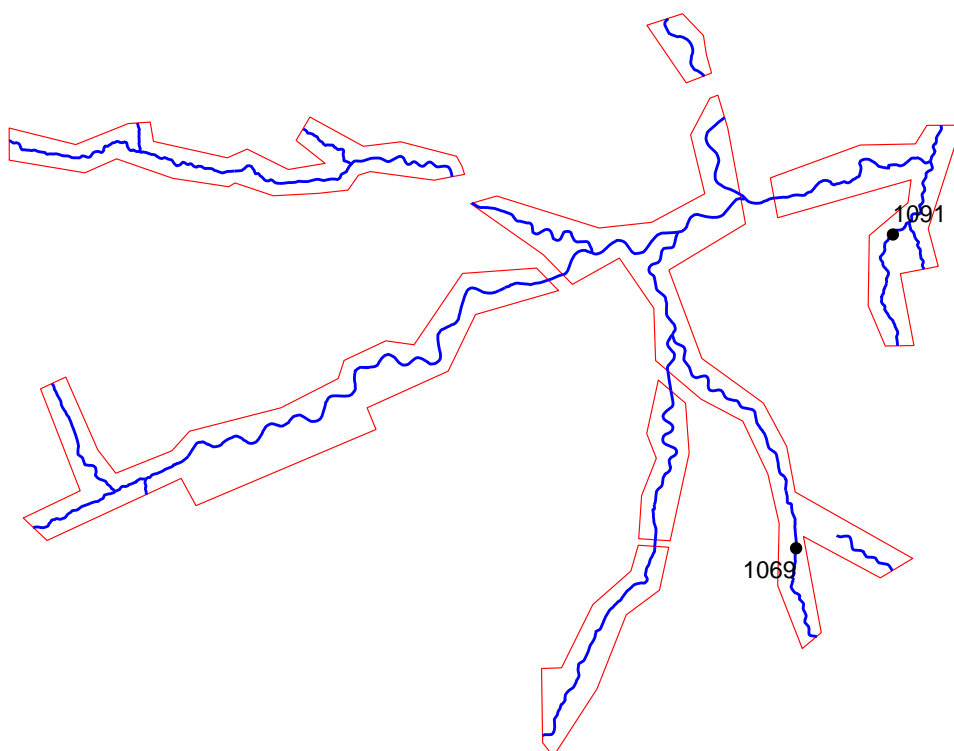
Weed Issues – English Ivy



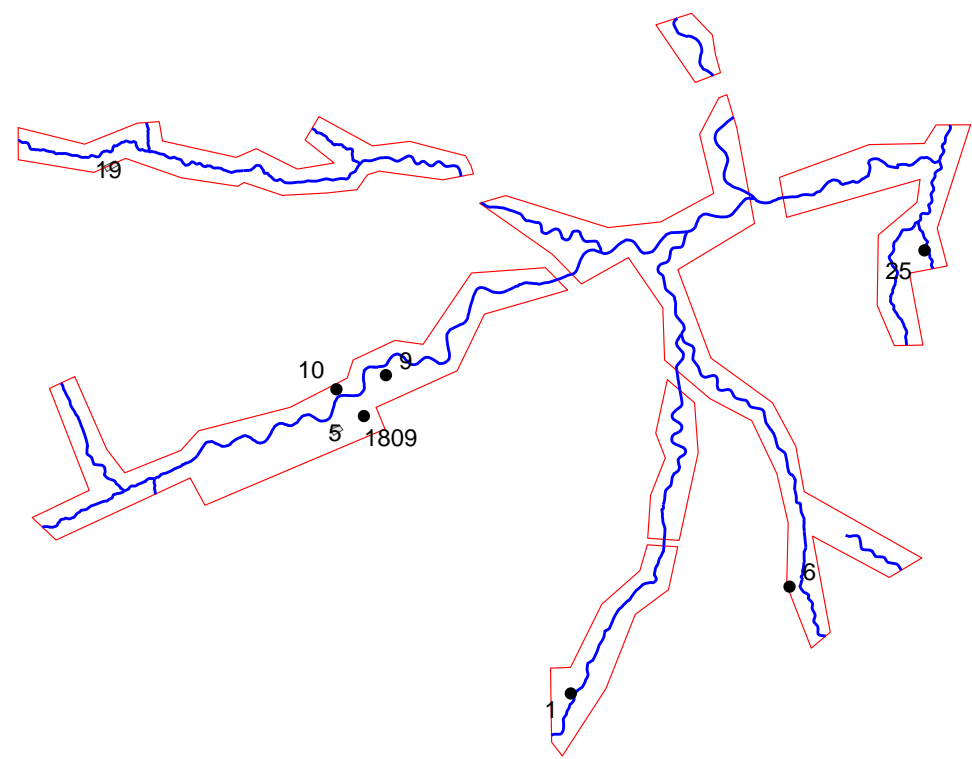
Weed Issues – Japanese Honeysuckle



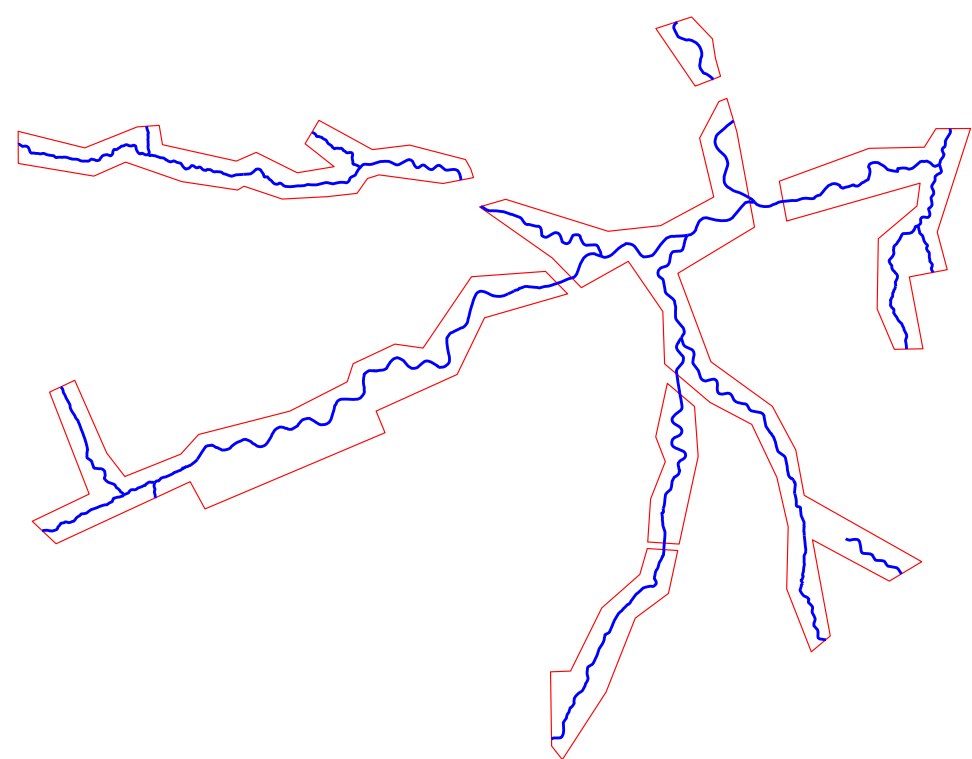
Weed Issues – OTHER



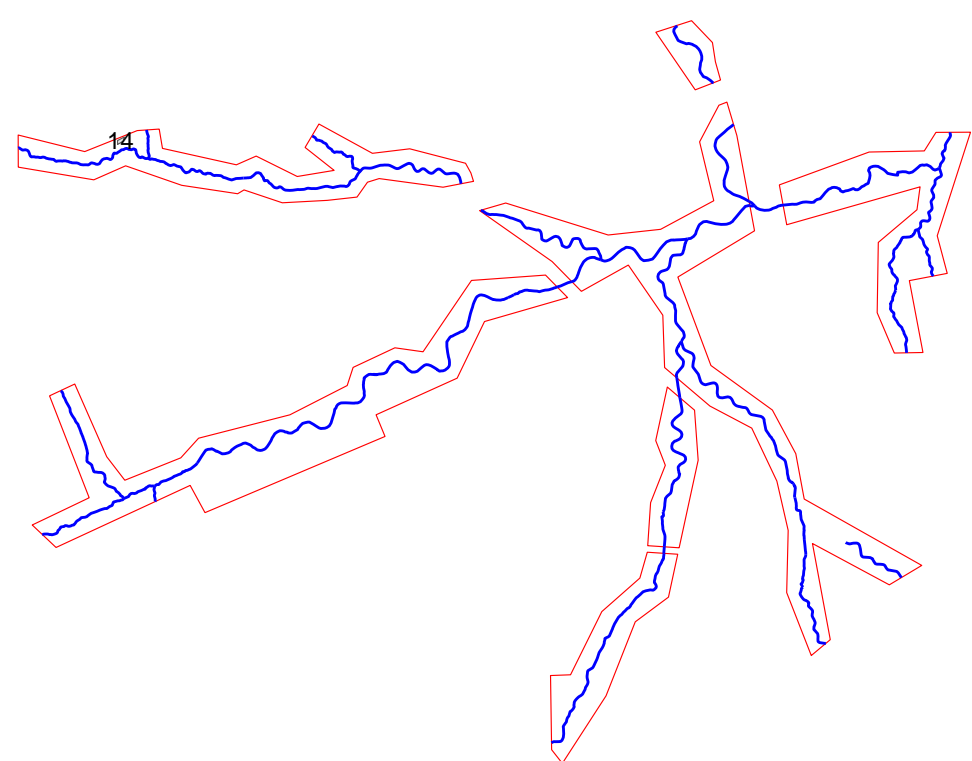
Weed Issues – Tree Of Heaven



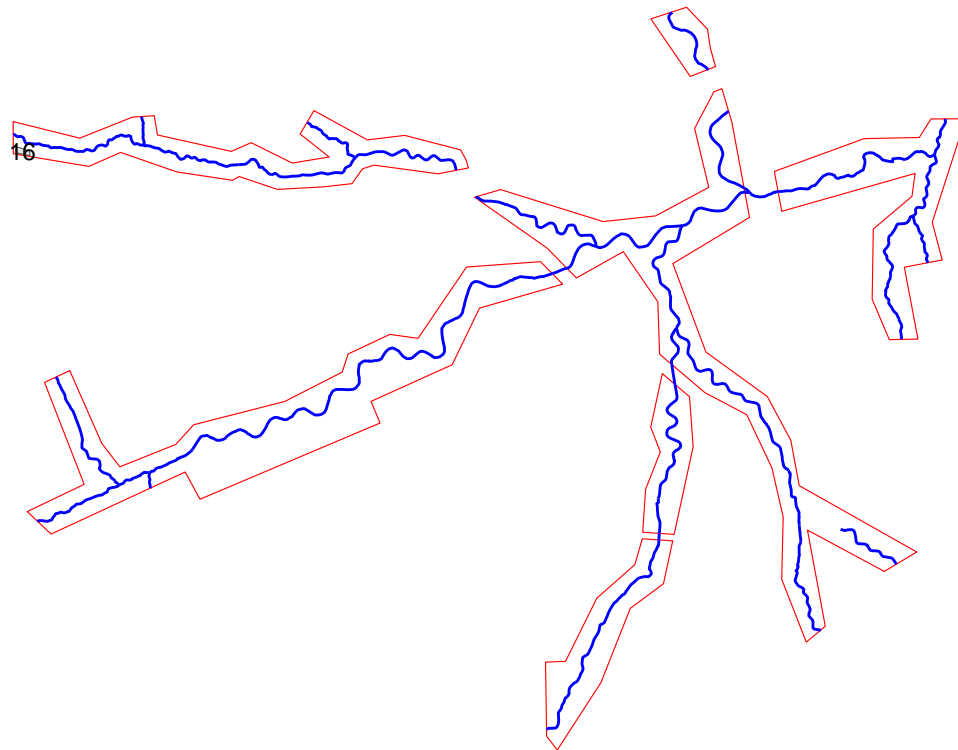
Weed Issues – NA



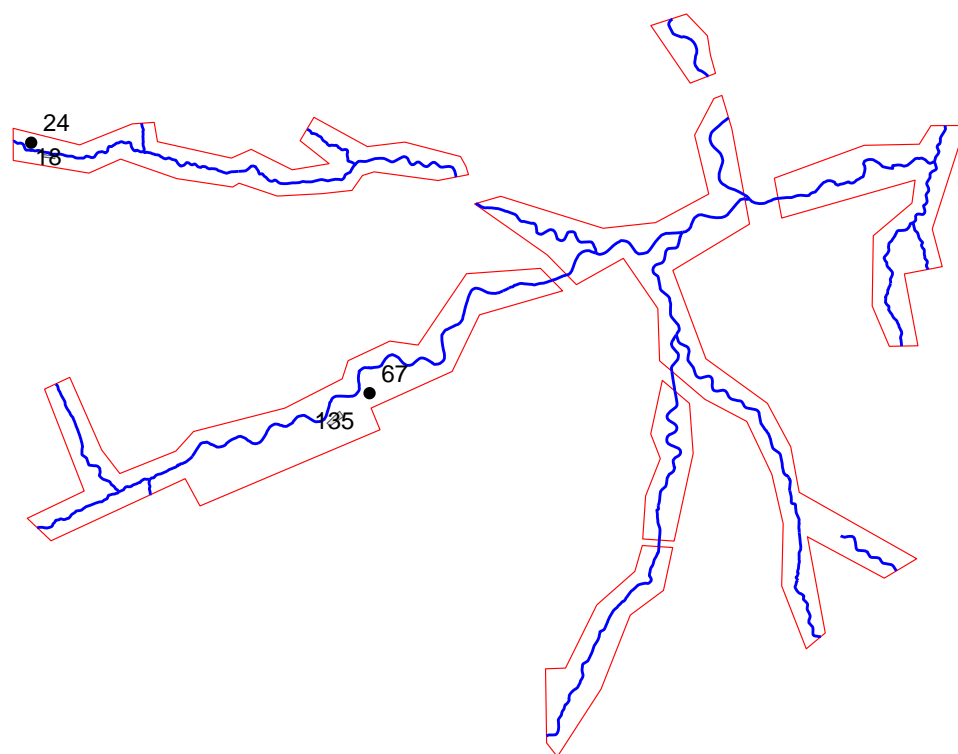
Weed Issues – Blackberry



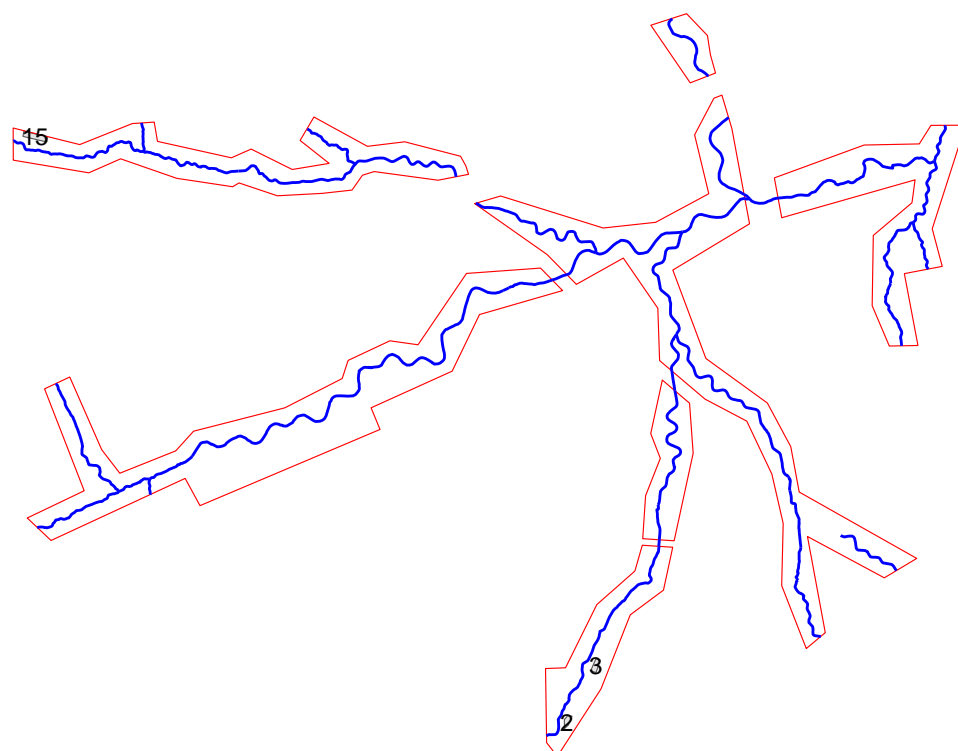
Weed Issues – Johnson Grass



Weed Issues – Multiflora Rose



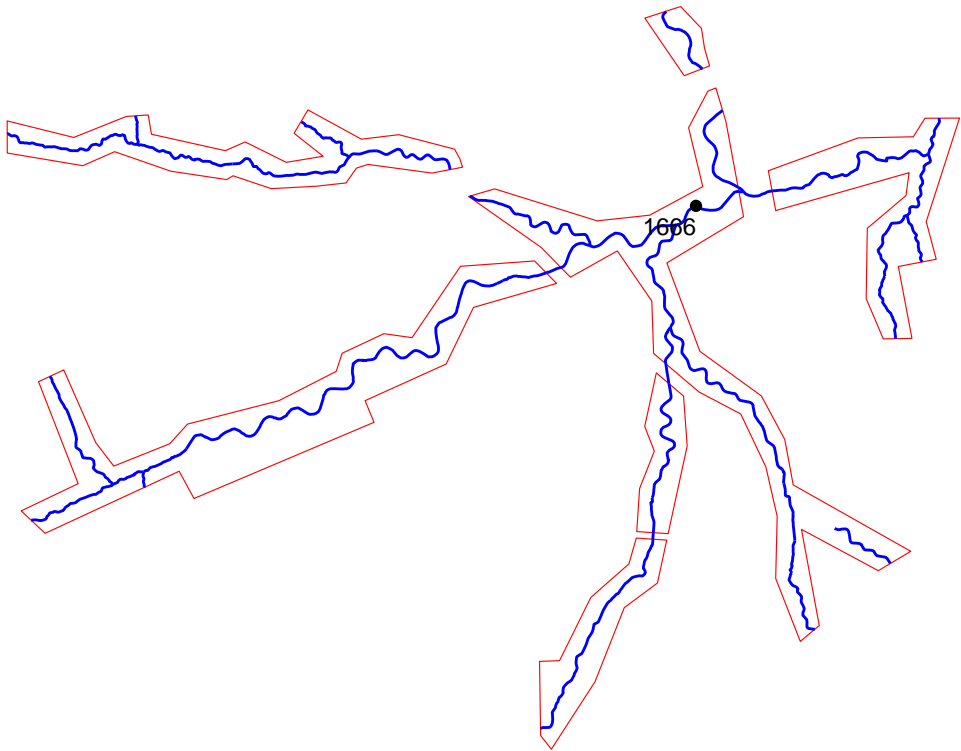
Weed Issues – Sweet Gum



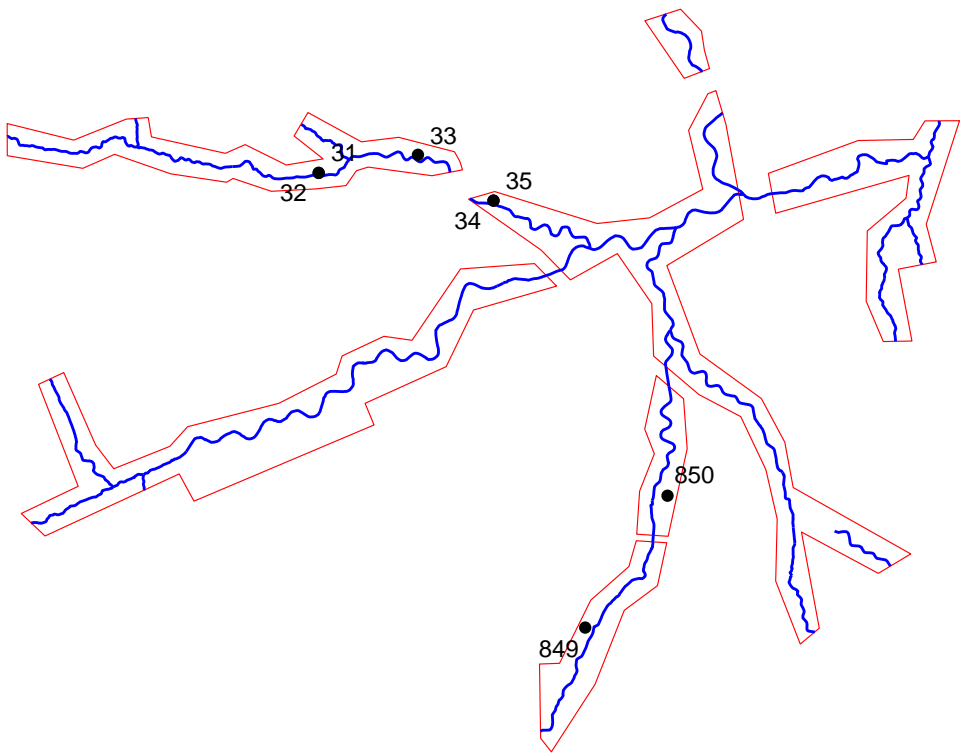
Miscellaneous Issues

OBJECTID	Year	Subtype	Description	Resolved
1274	2023	Misc	Repair area 1 LOD	No
1275	2023	Misc	Repair LOD 2	No
1276	2023	Misc	Repair area 3 LOD	No
1277	2023	Misc	Repair area 4 LOD	No
1082	2023	Misc	need live staking	No
1666	2023	Beaver Dam		No
849	2022	Soil Sample	BUC3B	
850	2022	Soil Sample	BUC3A	
31	2019	Soil Sample	BW-B	
32	2019	Soil Sample	BW-B	
33	2019	Soil Sample	BW-A	
34	2019	Soil Sample	BW-C	
35	2019	Soil Sample	BW-C	

Miscellaneous – Beaver Dam



Miscellaneous – Soil Samples



Miscellaneous Issues

