

Stewardship for Lone Hickory

Lead Steward: Dominic

2023-02-14

Boundary Issues

Channel Issues

Year	Subtype	Issue	Description	Treatment	TreatDate	Resolved
2022	Needs Livestakes		Needs livestockes on eroding banks.			No
2022	Channel Stability/Erosion	ErosionScour	Undercutting banks on both sides; more severe on left bank			No
2022	Needs Livestakes		Needs livestockes both sides			No
2022	Channel Stability/Erosion	ErosionScour	Undercutting banks; minor with woody stems present on banks			No
2022	Needs Livestakes					No
2022	Needs Livestakes					No
2022	Channel Stability/Erosion	AggradationDeposition	Aggradation			No
2022	Needs Livestakes					No
2022	Failed Structure	Piping	Piping around or under log sills. J hook?			No
2022	Failed Structure	Failed/Not Functional	Water flowing under log sill. Somewhat stable.			No
2022	Failed Structure	Piping	Piping under riprap. Repair did not fix log sill piping.			No
2022	Failed Structure	Piping	Piping under chunky riffle and rock sill. Somewhat stable.			No
2022	Failed Structure	Piping	Piping under and/or around rock sill			No
2022	Failed Structure		Part of brush toe maybe dislodged but bank is intact, minor concern			No
2021	Channel Stability/Erosion	ErosionScour	Mid channel bar with streambank erosion			Yes
2021	Failed Structure	Piping	Piping around left side of log; not piping 02/2023	No treatment made. Water flowing over sill now.	03/2022	Yes
2021	Channel Stability/Erosion	ErosionScour	Erosion around rocks	stream bank repair with geolift and live stakes	11/2022	No
2021	Needs Livestakes		Live stakes needed on left bank			No
2021	Failed Structure	Piping	Piping under log sill. Pointing in photos where water is flowing. Also undercutting banks immediately after sill.	sill material replaced and bank stabilized	11/2022	No
2021	Failed Structure	Piping	Failed log sill; water piping around; not piping 02/23			No

Vegetation Issues

Year	Issue	Description	Treatment	TreatDate	Resolved
2022	Bare Areas and Low Stem Density	Gullies and bare areas			No
2022	Bare Areas, Low Stem Vigor/Height and Density				No
2021	Bare Areas, Low Stem Vigor/Height and Density		Smoothed rilling, temp seeded, spread biochar, tackifier, water, matting/straw. Installed bare roots around BMP with most going in on repair side.	02/2022	Yes
2021	Bare Areas, Low Stem Vigor/Height and Density	Bare area along floodplain	soil amendments and microbes	08/2022	No
2021	Bare Areas, Low Stem Vigor/Height and Density	Bare area along floodplain	Soil amendments and microbial spray	08/2022	No
2021	Bare Areas and Low Stem Vigor/Height	Bare area along floodplain			No
2021	Bare Areas and Low Stem Density				No

Weed Issues

Year	Species1	Species2	Issue	Treatment	Method	TreatDate	Resolved
2022	Chinese Privet	Japanese Honeysuckle					No
2022	Chinese Privet	Japanese Honeysuckle					No
2022	Chinese Privet	Japanese Honeysuckle					No
2022	Chinese Privet	Japanese Honeysuckle					No
2022	Japanese Honeysuckle	Chinese Privet					No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	Kudzu						No
2022	OTHER		Cattails				No
2022	OTHER		Cattails				No
2022	OTHER		Cattails				No
2022	OTHER		Cattails				No
2022	OTHER		Cattails				No
2022	Princess Tree		A few scattered individuals				No
2022	Sweet Gum						No
2022	Tree Of Heaven						No
2022				in stream foliar spray		08/2022	No
2021	Chinese Privet	Japanese Honeysuckle					No
2021	Kudzu	Japanese Honeysuckle	Small runners on artificial slopes, patches of HS and MF				No
2021	Kudzu		Kudzu runners				No
2021	Kudzu	Marsh Dewflower					No
2021	Kudzu						No
2021	Kudzu						No
2021	Marsh Dewflower	OTHER	Cattails and murdannia in-stream	Channel sprayed	Backpack Spray	08/2021	No
2021	Marsh Dewflower		Dense monoculture of murdannia				No
2021	OTHER	Kudzu	In-stream veg and kudzu along streambank				No
2021	Tree Of Heaven	Princess Tree	Within wooded area				No
2021	Tree Of Heaven		Few stems mixed with tall cane. Cut stump trees.				No
2021				in stream glyphosate spray		08/2022	No
2020	Kudzu		Climbing vines and groundcover, including off-site	Kudzu treated	Backpack Spray	10/2021	No
2020	Marsh Dewflower		Murdannia in-stream and on streambank				No
2020	Tree Of Heaven	Chinese Privet	Large stand within wooded area. Hack and squirt in April 2020 of small individuals along field edge				No
2020	Tree Of Heaven		Seedlings and 5-6 mature individuals				No
2020							No
2019	Kudzu		Small kudzu on streambank				No
2019	Kudzu		Small kudzu on streambank				No
2019	Princess Tree		Previously treated, resprouts from coppice				No

Miscellaneous Issues

Year	Subtype	Description	LocationOrFeature	Treatment	TreatDate	Resolved
2022	Beaver Dam			Raked by staff	08/2022	No
2022	Beaver Dam	Still present on 2/8/2023		Raked by staff	08/2022	No
2022	Beaver Dam			Raked by staff	08/2022	No
2022	Misc	Small pine grove				No
2022	Beaver Dam					No
2022	Beaver Dam					No
2021	Beaver Dam			Staff removal by hand (successful)	11/2021	Yes
2021	Misc	WLC to put down matting				No
2021	Misc	WLC to add matting? At least anchor straw bales in places as check dams and area needs to be re-worked.				No
2021	Misc	WLC to install matting and grass seed area adjacent the easement (where hard to reach for farmers). They want to put grass down.				No
2021	Misc	Area to be seeded				No
2021	Misc	Farm road needs work. Gullies carry sediment towards BMP. Additional rock?				No
2021	Misc	WLC to install matting below first rock berm.				No
2021	Misc	WLC to install matting below last rock berm.				No
2021	Misc	WLC to install matting below last rock berm.				No
2021	Misc	WLC to install matting below last rock berm.				No
2021	Misc	Cattails				No
2020	Misc	Gullies healing	Upland	Gully Repair, Seed Amendment	07/2022	No
2020	Misc	Historic gullies	Upland			No
2020	Misc	Scattered sweet gum saplings				No