## **APPENDIX III**



PHOTO 1 Wetland W1 – View northwest of DEC Wetland IN-4



PHOTO 2 View south of depression/Wetland W1 in farm field



PHOTO 3 Atypical soil profile found at Wetland Point W1-Wet-1 within tilled field



PHOTO 4 Representative wooded wetland along northeastern Site edge



PHOTO 5 View south of Wetland W2 – isolated depression within westernmost ag field





PHOTO 7 Soil at 6" below ground surface at W3-Wet-3 within ag field



PHOTO 8 View south of emergent portion of Wetland W3 within ag field



PHOTO 9 View north of intermittent watercourse within Wetland W4



PHOTO 10 Banks of tributary were steep/prone to erosion throughout Wetland W4



PHOTO 11 Open water within forested wetland complex of Wetland W4



PHOTO 12 Vernal Pool 1 - north of Wetland W4 and east of central ag fields



PHOTO 13 Linear drainage corridor within hedgerow - Wetland W5



PHOTO 14 View north of Wetland W6 located at toe of slope near entrance to ag field



PHOTO 15 Representative photo of un-mowed ag fields on Site



PHOTO 16 View east of Wetland W7 at northeast corner of Site



PHOTO 17 View south of Wetland W7's confluence with Mohawk River



PHOTO 18 View north of water line on red maple within Wetland W7/linear corridor



PHOTO 19 View west of emergent portion of Wetland W7 complex within ag field



PHOTO 20 View east of linear drainage to Wetland W7 along northern Site limit



PHOTO 21 Significant standing/flood water present in westernmost field on 11/4/19



PHOTO 22 View north of Wetland W9 within westernmost ag field

# **APPENDIX IV**

Longitude	Latitude	Comment/Flag No.
-75.12080309	43.075661	
-75.12085481	43.07558607	w1-2
-75.12096804	43.07561659	w1-3
-75.12109521	43.07565026	
-75.12126578		
-75.12147353		
-75.12155137	43.07559801	
-75.12164911	43.07553146	
-75.12159482	43.07536073	
-75.12140154	43.07531863	
-75.12139056		
-75.12151246		
-75.121439	43.075275	
-75.12149596		
-75.121195	43.075273	
-75.12140547		•
-75.12141875		
-75.121598		
-75.12176453	43.07486948	
-75.12186231	43.07478645	
-75.12199162	43.07468753	
-75.12205851	43.07473595	
-75.1221081	43.07469893	
-75.12218625	43.07471133	
-75.122082	43.074808	
-75.12203113	43.07487568	
-75.12193367	43.07497844	
-75.12193154	43.07507725	
-75.12210607	43.0750934	
-75.12225945	43.07494794	
-75.12238666		
-75.12250866	43.0747153	
-75.12257015	43.07462404	
-75.12260899	43.07450943	
-75.12264492	43.07441349	
-75.1227041	43.07434189	
-75.12274707	43.07424467	
-75.12278394	43.07411627	
-75.12266479	43.07408675	
-75.12259732	43.07394682	
-75.12268587	43.0738596	
-75.12261342	43.07374854	
-75.12259835	43.07362423	
-75.12268048	43.07354336	
-75.12277042	43.07350195	
-75.12288988		
. 3.2220000	.5.5.55,552	

		· ·
-75.12309573	43.0735798	
-75.12320365	43.07348672	w1-46
-75.12322011	43.07337888	w1-47
-75.12332337	43.07329611	w1-48
-75.12340878	43.07321357	w1-49
-75.12349809	43.07327693	w1-50
-75.12365215	43.07326122	w1-51
-75.12367084	43.07335913	w1-52
-75.12380729	43.07334132	
-75.12374174	43.07341845	w1-54
-75.12363292	43.0734396	
-75.12359605	43.07354227	
-75.1237935	43.07349122	
-75.12383066	43.07347599	
-75.12387957		24 inch concrete culvert outfall
-75.12385287	43.07341336	
-75.12385002	43.073330859	
-75.12393586		w1-61 + south
-75.12373380	43.0758515	
-75.12177507	43.07589337	·
-75.121986	43.07595	·
-75.12208014	43.07598742	•
-75.12207351	43.075939	·
-75.12207331	43.07586713	
-75.12181615	43.07583578	·
-75.12179121	43.07585237	
-75.1218471	43.0758091	·
-75.12682044	43.0779713	
-75.1267871	43.0780491	
-75.12171762	43.07577139	•
-75.12171702	43.07578984	
-75.12164966		up1-10 connect to up1-1
-75.12104300	43.07571396	
-75.12091420	43.07577948	
-75.12097943	43.07587435	
-75.12163901	43.07602799	
-75.12103901	43.07619498	
-75.12207173	43.07640221	
-75.12238945 -75.12307716	43.07658741	
-75.12361943	43.07680423	
-75.12403148	43.07696236	
-75.1245642	43.0771461	
-75.12486861	43.07729002	
-75.12528699	43.07744396	
-75.12566786	43.07759174	
-75.12601052	43.07772654	
-75.12643093	43.07788947	W1-15X

-75.12683378	43.07804215	W1-16x
-75.12723434	43.07823657	W1-17x
-75.12739278	43.0783048	W1-18x
-75.12770269	43.07838485	
-75.12072334	43.07531343	
-75.12074262	43.07523883	
-75.12087724	43.07515127	
-75.12090816	43.07516426	
-75.12091259	43.07522644	
-75.1208402		W2-6, to W2-1
-75.12071004	43.07536165	
-75.1207906	43.07523518	
-75.12011648	43.07529258	
-75.12011048	43.07535687	
-75.12023987	43.0753912	
-75.12037544	43.07540048	
-75.12043717 75.1204676	43.0753071	•
-75.1204676	43.0754687	
-75.12041523	43.07549424	
-75.12031617	43.07544059	
-75.12016528	43.07538476	
-75.12003294	43.07533844	
-75.11985759	43.07528783	
-75.11999305	43.07519298	
-75.12005834	43.07513505	
-75.12018723	43.0749827	
-75.12026164	43.0748463	
-75.12037303	43.07473844	
-75.12043597	43.07466415	
-75.12054438	43.0746021	
-75.12062608	43.07447064	w3-17
-75.12069762	43.07437623	w3-18
-75.12082106	43.0742423	w3-19
-75.12097594	43.07411821	w3-20
-75.12109453	43.0740379	w3-21
-75.12115839	43.07389316	w3-22
-75.12128243	43.07379535	w3-23
-75.12141886	43.07362805	w3-24
-75.12154927	43.07352269	w3-25
-75.12168622	43.07340275	w3-26
-75.12177514	43.07327684	w3-27
-75.12196564	43.07316298	w3-28
-75.12208989	43.07292817	w3-29
-75.12227496	43.0728168	w3-30
-75.12238608	43.07265652	
-75.12251916	43.07249603	
-75.12266249	43.07238012	

-75.12278344	43.07224035	w3-34
-75.12296198	43.07211959	w3-35
-75.12298193	43.07203726	w3-36
-75.12289666	43.07194607	w3-37
-75.12261731	43.07180133	
-75.12261781	43.07172234	
-75.12336732	43.07209856	
-75.12324059	43.07211399	
-75.12309896	43.07213498	
-75.12306248	43.07207648	<u>'</u>
-75.12294376	43.07216505	
-75.12294335	43.07217554	
-75.12282118	43.07234371	
-75.1226927	43.07250125	
-75.12257957	43.07260068	
-75.12237937	43.0727736	
-75.12241849	43.07289699	
-75.12233393	43.07301514	
-75.12207537 75.1210643	43.07317287	
-75.1219643	43.07333355	
-75.12176683	43.07349625	
-75.12164037	43.07364041	
-75.12153744	43.07379389	
-75.12137417	43.07393043	
-75.12125549	43.07407275	
-75.12113324	43.0741756	
-75.12100299	43.07434156	
-75.12088823	43.07447984	
-75.12077619	43.07459272	
-75.12067944	43.0746654	
-75.12058019	43.07478801	
-75.1206813	43.07487028	
-75.12076258	43.07484962	
-75.12091238	43.07493271	
-75.12105225	43.07485979	
-75.12105937	43.07474514	
-75.12105104	43.07466924	
-75.12113757	43.07454899	
-75.12119481	43.07439737	
-75.12125747	43.07428988	w3-71
-75.12140612	43.07425844	w3-72
-75.12139958	43.07422935	w3-up-3
-75.12143114	43.07427307	w3-wet-3
-75.12155767	43.07417676	w3-73
-75.12167331	43.07410366	w3-74
-75.12180812	43.07410404	w3-75
-75.12198481	43.07409597	w3-76

-75.12194275	43.07415447	w3-77
-75.12182168	43.07421502	w3-78
-75.12182889	43.0743227	w3-79
-75.12167224	43.07440194	w3-80
-75.12171507	43.07445962	w3-81
-75.12180481	43.07442077	w3-82
-75.12188469	43.07445583	w3-83
-75.12190545	43.07455292	w3-84
-75.12189338	43.07463338	w3-85
-75.12170011	43.0746228	w3-86
-75.12158246	43.07470686	w3-87
-75.12151592	43.07472082	
-75.12137238	43.07475399	
-75.12144706	43.07462278	
-75.12143739	43.07453861	
-75.12131255	43.0745684	
-75.12131233	43.07465546	
-75.12125584	43.07473806	
-75.12123304	43.07483887	
-75.12117161	43.07490622	
-75.12120307	43.07497932	
-75.12110548	43.07503332	
-75.12038323	43.07498848	
-75.12066585	43.07496386	
-75.12049875	43.07485667	
-75.12038119	43.07497361	
-75.12038113	43.07504928	
-75.12020245	43.07516054	
-75.12010982		w3-105 end to w3-1
-75.12249642	43.07171084	
-75.12238797	43.0716498	
-75.12238737	43.07168584	
-75.12224974		
-75.12218186	43.07193275	
-75.12218180		
-75.12193709 -75.12185099	43.07221875	
-75.12183099 -75.12171305	43.07236338	
-75.12171303	43.07250734	
-75.12162684	43.07260328	
-75.12154403	43.072635	
-75.12146041	43.07265024	
-75.12130063	43.07262606	
-75.12117994	43.072594	
-75.12107967	43.07259007	
-75.12097755	43.07263732	
-75.12083561	43.07265476	
-75.12068558	43.07271204	W4-17

-75.12052329	43.07272721	
-75.12030925	43.07273206	w4-19
-75.12010661	43.07277377	W4-20
-75.1198673	43.07279105	w4-21
-75.11966124	43.0727823	w4-22
-75.11947112	43.07280794	w4-23
-75.11939714	43.07279818	w4-24
-75.11922223	43.07274469	w4-25
-75.11922613	43.07270419	w4-26
-75.11909496	43.07276796	w4-27
-75.11895718	43.07283383	w4-28
-75.11902081	43.07292064	w4-29
-75.11909875	43.07301946	w4-30
-75.11924326	43.0731313	w4-31
-75.11933035	43.07319679	w4-32
-75.11940084	43.07331699	w4-33
-75.11945186	43.07337021	W4-34
-75.11945615	43.07354351	w4-35
-75.11946788	43.07367105	w4-36
-75.11941978	43.07370812	w4-37
-75.1196525	43.07388712	w4-38
-75.11950309	43.07378578	w4-39
-75.11943554	43.07378563	w4-40
-75.11937602	43.073933	w4-41
-75.11925796	43.07403969	w4-42
-75.11916867	43.07415228	W4-43
-75.1190307	43.0741663	w4-44
-75.11885632	43.07427866	w4-45
-75.11868883	43.07429976	w4-46
-75.11852465	43.0743611	w4-47
-75.11836244	43.07447003	w4-48
-75.11819927	43.07458441	w4-49
-75.118071	43.07467643	w4-50
-75.11785102	43.07454273	W4-51+ne
-75.11799251	43.07449466	W4-52
-75.11796643	43.07452795	OHWM
-75.11811313	43.07459569	OHWM
-75.11817062	43.07445091	W4-53
-75.11835546	43.07433291	W4-54
-75.11853015	43.0743019	OHWM
-75.11850624	43.07427652	W4-55
-75.11872606	43.0741861	W4-56
-75.11885294	43.07416725	OHWM
-75.11885818	43.07415843	W4-57
-75.1189288	43.07422583	OHWM
-75.11905312	43.07407598	W4-58
-75.11915619	43.07396441	W4-59

-75.11925534	43.07386165	W4-60
-75.11928546	43.07384914	OHWM
-75.11927566	43.07370569	W4-61
-75.11924187	43.07359049	
-75.1192212	43.07342145	
-75.11919832	43.07328309	
-75.11913747	43.07320839	
-75.11897308	43.07312787	
-75.11888799	43.07308168	
-75.11882779	43.07297143	
-75.11876584	43.07282776	
-75.11877254	43.07271742	
-75.11877254	43.07264491	
-75.11873207	43.07255699	
-75.11894732	43.07252714	
-75.11900628		
	43.07265526	
-75.11906422 75.11924076	43.07250676	
-75.11924976	43.07246131	
-75.11938277	43.07245908	
-75.11953517	43.07249212	
-75.11965157	43.07257916	
-75.1198108	43.07269825	
-75.11974	43.072662	
-75.11985623	43.07266286	
-75.12008117	43.0726678	
-75.12029202	43.07265302	
-75.12048344	43.07263075	
-75.12074036	43.07257748	
-75.1209173	43.07251185	
-75.12108547	43.07244962	
-75.12096917	43.07234705	W4-Wet-1
-75.12089752	43.07240173	W4-Up-1
-75.1209188	43.07234204	W4-86
-75.12087567	43.07225187	W4-87
-75.12095775	43.07217529	W4-88
-75.12098886	43.07219148	W4-89
-75.12096107	43.07205172	W4-90
-75.12094063	43.07204896	W4-91
-75.12071947	43.07208619	W4-92
-75.12073962	43.07216839	W4-93
-75.12050632	43.0720838	W4-94
-75.12042366	43.07202761	W4-95
-75.1203999	43.07192801	W4-96
-75.12039595	43.07183409	W4-97
-75.12030526	43.07171571	W4-98
-75.12017164	43.07155927	W4-99
-75.12004485	43.07139117	W4-100

-75.12017965			
-75.12042943	-75.12017965	43.071356	W4-101
-75.12049933	-75.1203122	43.07125668	W4-102
-75.12036434	-75.12042943	43.07115644	W4-103
-75.12031462	-75.12049933	43.0710598	W4-104
-75.12031462	-75.12036434	43.07096414	VP1-1
-75.12027551	-		
-75.12022441 43.07088375 VP1-4 -75.12030308 43.07092597 VP1-5 -75.12061041 43.07099828 W4-105 -75.12071029 43.07095863 W4-106 -75.12067763 43.07087386 W4-107 -75.12065619 43.07077201 W4-108 -75.12067182 43.07088724 W4-109 -75.12067182 43.070487 W4-110 -75.12067257 43.0703271 W4-112 -75.12067257 43.0703271 W4-112 -75.12067257 43.0703271 W4-112 -75.12071969 43.07032537 W4-114+S -75.12071969 43.07032537 W4-115 -75.12072438 43.07049562 W4-115 -75.12072438 43.07063561 W4-116 -75.12075786 43.07078023 W4-117 -75.12084442 43.07094233 W4-118 -75.12089495 43.07104769 W4-120 -75.12105619 43.07117464 W4-121 -75.1210184 43.0713684 W4-123 -75.12133402 43.07125971 W4-124 -75.1213412 43.0710475 W4-125 -75.1213412 43.07097314 W4-126 -75.1213412 43.07097314 W4-126 -75.12114041 43.07097314 W4-128 -75.12118669 43.0703274 W4-130 -75.1210868 43.0703274 W4-130 -75.1210869 43.0703274 W4-130 -75.1210868 43.0703274 W4-131 -75.12000975 43.06990838 W5-1 3'wide CL -75.12108601 43.0701918 W5-95 'wide CL -75.11986001 43.0701918 W5-95 'wide CL -75.11953664 43.0701918 W5-95 'wide CL -75.11953664 43.0701918 W5-95 'wide CL -75.11953664 43.07019185 W5-95 'wide CL -75.11953664 43.07027344 W5-6 6'w CL	-		
-75.12030308			
-75.12061041	-		
-75.12071029			
-75.12067763			
-75.12065619			
-75.12067182			
-75.12071987			
-75.1206943			
-75.12067257			
-75.12054358			
-75.12071969			
-75.12079859			
-75.12072438			
-75.12075786			
-75.12084442	-		
-75.12089495			
-75.12097967			
-75.12105619	-		
-75.12112018			
-75.12120184			
-75.12133402			
-75.12141459			
-75.1213412 43.07104715 W4-126 -75.12125065 43.07100535 W4-127 -75.12114041 43.07097314 W4-128 -75.12118669 43.07081261 W4-129 -75.12117305 43.07073274 W4-130 -75.1210844 43.07063692 W4-131 -75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12125065			
-75.12114041 43.07097314 W4-128 -75.12118669 43.07081261 W4-129 -75.12117305 43.07073274 W4-130 -75.1210844 43.07063692 W4-131 -75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12118669 43.07081261 W4-129 -75.12117305 43.07073274 W4-130 -75.1210844 43.07063692 W4-131 -75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12117305 43.07073274 W4-130 -75.1210844 43.07063692 W4-131 -75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.1210844 43.07063692 W4-131 -75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12101301 43.07054604 W4-132 -75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12088688 43.07042401 W4-133 to W4-114 -75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12006776 43.06990538 W5-1 3'wide CL -75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.12000975 43.06998869 W5-2 3'wide CL -75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11986001 43.07003931 W5-3 5'wide CL -75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11970698 43.07011828 W5-4 5'wide CL -75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11958952 43.07015788 W5-5 5'wide CL -75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11953061 43.07019185 W5-Wet-1 -75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11956864 43.07026655 W5-Up-1 -75.11937922 43.07027344 W5-6 6'w CL			
-75.11937922 43.07027344 W5-6 6'w CL			
			•
-75.11929581  43.07034001 W5-7 6'w CL			
	-75.11929581	43.07034001	W5-7 6'w CL

-75.11911176	43.07043982	W5-8 6'w CL
-75.11897349	43.07050039	W5-9 6'w CL
-75.11874385	43.07064826	W5-10 6'w CL
-75.11857432	43.07069808	W5-11 6'w CL
-75.11831393	43.07084268	W5-12 6'w CL
-75.11814818	43.07090231	W5-13 6'w CL
-75.11793002		W5-14 6'w CL
-75.11775408	43.07113959	
-75.12209519	43.07162088	
-75.1219906	43.07159887	
-75.12186298	43.07154362	
-75.12170029	43.07150414	
-75.12170029	43.07155305	
-75.12133662	43.07161469	
-75.12133002	43.07161579	
-75.12114977	43.07166026	
-75.12099723	43.0715736	
-75.12092632	43.07159031	
-75.12083509	43.07151239	
-75.12080366	43.07147597	
-75.12003132	43.0714117	
	43.0715495	
-75.12043824	43.07171483	
-75.12051943 -75.12062455	43.07171463	
-75.12062455	43.07194438	
	43.0720148	
-75.12081199 -75.12098695	43.0720148	
-75.12098093	43.07202343	
-75.12104179	43.07217996	
-75.12103092	43.07228348	
-75.12099200	43.07238323	
-75.1210983	43.07242	
-75.12118904	43.07235568	
-75.12133603 -75.12138244	43.07219446 43.07216198	
-		
-75.12139753	43.07233878	
-75.12159525	43.0722524	
-75.12179715	43.07216201	
-75.12188425	43.07203547	
-75.12199268	43.0719427	
-75.12208301	43.07182567	
-75.12214563		W4-167 to- W4-134
-75.12068433	43.07556458	
-75.1206361	43.07552446	
-75.12062294	43.07554902	
-75.12060865	43.07549587	•
-75.12054809	43.07556041	W6-3

-75.12056521	43.07561524	W6-4
-75.12061728	43.07563179	W6-5end to W6-1
-75.11547964	43.0730174	Upland grass\wheat
-75.11088815	43.06833977	W7-1 start
-75.11077537	43.0682353	W7-2
-75.11051924	43.06810001	W7-3
-75.11040522	43.06801287	W7-4
-75.1103389	43.06796166	W7-Wet-1
-75.11028259	43.06806491	
-75.11017895	43.0679739	
-75.10998156	43.06791956	
-75.10977631	43.06782445	
-75.10957142	43.0677199	
-75.10921411	43.06755216	
-75.1090178	43.0674154	
-75.10880746		W7-11end +east
-75.11054331		Edge of River
-75.11073168		W7-12start +SE
-75.11073108	43.06677664	
-75.11073376	43.06693727	
-75.11077404	43.06700485	
-75.11073807	43.06708435	
-75.1100933	43.06715048	·
-75.1107376	43.06728372	
-75.11080082	43.06732018	
-75.11000233	43.06730673	
-75.11049308	43.06730694	
-75.11020308	43.06738843	
-75.11014372	43.06749735	
-75.11007027	43.06762348	
-75.1098908	43.06772181	
-75.1097453	43.06762372	
-75.10971973	43.06756277	
-75.10961488	43.06740783	
-75.10949984		W7-29 end +east
-75.11100712	43.0682994	
-75.11091696	43.06825196	
-75.11086757	43.06815729	
-75.11087902	43.06801849	
-75.11089525	43.06795918	
-75.11086653	43.06786361	
-75.11087089	43.06778336	
-75.11081556	43.06771285	
-75.11073923	43.06761928	
-75.11077732	43.06751668	
-75.11097472	43.06746827	
-75.111031	43.06742403	W7-41

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-75.11114614	43.06733196	W7-42
-75.1109336	43.06733006	W7-43
-75.11070944	43.06740521	W7-44
-75.11056931	43.06743831	W7-45
-75.11033454	43.06745504	W7-46
-75.1102092	43.06746234	W7-47
-75.1102691	43.06737577	W7-48
-75.11053483	43.06738393	
-75.11060008	43.06728856	
-75.1104832	43.06735263	
-75.11065021	43.06735371	
-75.11080331	43.0673454	
-75.11081641	43.06726454	
-75.11086691	43.06722922	
-75.11030031	43.06707222	
-75.11074419	43.06695421	
-75.11080323	43.06685156	
-75.1108469	43.06678709	
-75.11088082	43.06675703	
-75.11103162		
	43.06685077	
-75.11126393		W7-60end +S/SW
-75.11278379		Top of Bank mohawk
-75.11376763		Top of bank Mohawk
-75.11405577		W7-61x start at river
-75.11398327	43.06744123	
-75.11399494	43.06756972	
-75.11390556	43.06755504	
-75.1138419	43.06765058	
-75.11377441	43.06762923	
-75.11362668	43.06772826	
-75.11368914	43.06780138	
-75.11353114	43.06787628	
-75.11355304	43.06794971	· · · · · · · · · · · · · · · · · · ·
-75.11349215	43.06788293	
-75.1135039	43.06781587	
-75.11330732	43.06797552	
-75.11332764	43.06802217	W7-66x
-75.11323151	43.06807767	
-75.11320032	43.06805627	W7-67
-75.11311877	43.06811085	W7-68
-75.1131477	43.06814764	W7-68x
-75.11299805	43.06820309	W7-69
-75.1130303	43.06825598	W7-69x
-75.11312685	43.06821392	W7-70x
-75.11329365	43.06822942	W7-71x
-75.11333847	43.06833171	W7-Wet-4
-75.1134454	43.06826601	W7-72x
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-75.11344981	43.06822998	W7-Up-4
-75.11349156	43.06837074	W7-73x
-75.11350342	43.06843441	W7-74x
-75.11348213	43.06849297	W7-75x
-75.11343142	43.06856628	
-75.11326065	43.068469	
-75.11317927	43.06842342	
-75.11308493	43.06837044	
-75.112984	43.06834045	
-75.1129028	43.06810617	
-75.11293518	43.06803594	
-75.11287443	43.06792691	
-75.11287443	43.06783214	
-75.11280030	43.06788857	
-75.11275221	43.06794651	
-75.1128438		
	43.06792428	
-75.11280351	43.06800555	
-75.11270696	43.06806179	
-75.11258015	43.06805102	
-75.11243228	43.06803456	
-75.11243676	43.06811802	
-75.11259329	43.06817589	
-75.11269771	43.06824569	
-75.11282536	43.06826199	
-75.1129726	43.06826259	
-75.11288291	43.0682973	
-75.11268338	43.06841981	
-75.11273272	43.06844663	
-75.11253046	43.06853749	
-75.11255905	43.06855821	
-75.11235691	43.06863459	W7-88
-75.11240008	43.06868129	W7-84x
-75.11218104	43.06878119	W7-89
-75.11221062	43.06880064	W7-85x
-75.11197082	43.06892767	W7-90
-75.11201314	43.06893179	W7-86x
-75.1118919	43.06899436	W7-87x
-75.11186346	43.06897613	W7-91
-75.11179669	43.06902282	W7-92
-75.11170493	43.06894883	W7-93
-75.11161211	43.0688682	W7-94
-75.11148555	43.06876003	W7-95
-75.11132725	43.06859588	W7-96
-75.11119254	43.06849325	W7-97
-75.1110943	43.06841366	W7-98 to W7-30
-75.1110854		W7-99 to W7-1
-75.11120085	43.06854606	

-75.11134127	43.06865682	W7-101
-75.11148564	43.06878219	W7-102
-75.11160549	43.06891059	W7-103
-75.11176049	43.06901317	W7-104
-75.11178698	43.06909233	W7-105
-75.11191091	43.06918053	W7-106
-75.11200615	43.06929675	W7-107
-75.11214649	43.06938869	W7-108
-75.11224279	43.06947754	W7-109
-75.11230128	43.06956254	W7-110
-75.11244443	43.06967188	W7-111
-75.11260223	43.06982077	W7-112
-75.11272927	43.06997294	
-75.1128334	43.07005329	
-75.11280702	43.07003322	
-75.11274263	43.0699505	
-75.11268767	43.06988233	
-75.11262844	43.06981389	
-75.11251491	43.06970571	
-75.11248127	43.06964968	
-75.11233289	43.06953598	
-75.11225021	43.06944913	
-75.1120973	43.06932709	
-75.11196901	43.06920446	
-75.11182705		W7-125 to W7-87x
-75.11506015		W8-1 start 4'wide CL
-75.11509692		W8-2 4'wide CL
-75.11523044	43.07020435	
-75.11535577		W8-4 6'wide CL
-75.11545932		W8-5 6'wide CL
-75.11562069		W8-6 6'wide CL
-75.11579194		W8-7 6'wide CL
-75.11595727		W8-8 6'wide CL
-75.11613928		W8-9 6'wide CL
-75.11630324		W8-10 6'wide CL end
-75.11688841		W8-11 start 6'wide CL
-75.1169588	43.06917108	
-75.11701441	43.06919744	
-75.11711404	43.06909378	
-75.11713635	43.06906624	
-75.11724362	43.06900107	
-75.11727843	43.06902539	
-75.11739278	43.06896131	
-75.11735983	43.06892169	
-75.11745122	43.06892662	
-75.11746228	43.06887859	
-75.1174338	43.0688537	
, 5.117 4550	13.3000337	

-75.11753275				
-75.12166769 43.06880862 W8-17x end -75.12218138 43.07434013 W9-1 -75.12218904 43.07439196 W9-2 -75.12213327 43.07450179 W9-3 -75.122004264 43.07458332 W9-4 -75.1220888 43.07461627 W9-5 -75.12211012 43.07458462 W9-6 -75.12211012 43.07458462 W9-6 -75.12218804 43.07436557 W9-8 -75.12228804 43.07431172 W9-9, end, to W9-1 -75.12216262 43.07431172 W9-9, end, to W9-1 -75.1221708 43.07439585 W9-Wet-1 -75.12218802 43.07373163 W10-1, to W3-54 Floodplain Boundary -75.1218991 43.073758607 W10-2 Floodplain Boundary -75.1219991 43.07371665 W10-3 Floodplain Boundary -75.12213978 43.0737243 W10-5 Floodplain Boundary -75.12232481 43.07377243 W10-5 Floodplain Boundary -75.12232481 43.07371117 W10-6 Floodplain Boundary -75.12233086 43.07386724 W10-8 Floodplain Boundary -75.12221096 43.07389946 W10-9 Floodplain Boundary -75.12221484 43.0740254 W10-10 Floodplain Boundary -75.12221174 43.074019 W10-12 Floodplain Boundary -75.12236182 43.07411837 W10-11 Floodplain Boundary -75.12236182 43.07413497 W10-12 Floodplain Boundary -75.12236182 43.07413497 W10-13 Floodplain Boundary -75.12236182 43.07426741 W10-14 Floodplain Boundary -75.12238733 43.07426741 W10-14 Floodplain Boundary -75.12235843 43.0745126 W10-16 Floodplain Boundary -75.12235843 43.07464803 W10-17 Floodplain Boundary -75.12235843 43.07464803 W10-17 Floodplain Boundary -75.12235794 43.07464803 W10-17 Floodplain Boundary	-75.11753275	43.06889104	W8-16x	
-75.12218138	-75.1176277	43.06876022	W8-17 end	
-75.12218904 43.07439196 W9-2 -75.12213327 43.07450179 W9-3 -75.12204264 43.07458332 W9-4 -75.12202888 43.07461627 W9-5 -75.12211012 43.07458462 W9-6 -75.12217157 43.07449107 W9-7 -75.12228804 43.07436557 W9-8 -75.1222662 43.07431172 W9-9, end, to W9-1 -75.12212953 43.07439369 W9-Up-1 -75.1221708 43.07439369 W9-Wet-1 -75.12168802 43.07373163 W10-1, to W3-54 Floodplain Boundary -75.12185945 43.07358607 W10-2 Floodplain Boundary -75.1219991 43.07371665 W10-3 Floodplain Boundary -75.12213978 43.07379243 W10-5 Floodplain Boundary -75.1223398 43.07371117 W10-6 Floodplain Boundary -75.12233086 43.07389916 W10-7 Floodplain Boundary -75.12221484 43.07389946 W10-9 Floodplain Boundary -75.12214848 43.07411837 W10-11 Floodplain Boundary -75.12214848 43.07411837 W10-11 Floodplain Boundary -75.1223723 43.074113497 W10-12 Floodplain Boundary -75.12238723 43.07420119 W10-12 Floodplain Boundary -75.12238723 43.07420119 W10-12 Floodplain Boundary -75.12238723 43.07420719 W10-13 Floodplain Boundary -75.12238723 43.07426741 W10-14 Floodplain Boundary -75.12238843 43.0745126 W10-15 Floodplain Boundary -75.12235843 43.0745126 W10-16 Floodplain Boundary -75.12235794 43.07464803 W10-17 Floodplain Boundary	-75.11766769	43.06880862	W8-17x end	
-75.12213327	-75.12218138	43.07434013	W9-1	
-75.12204264 43.07458332 W9-4 -75.12202888 43.07461627 W9-5 -75.12211012 43.07458462 W9-6 -75.12217157 43.07449107 W9-7 -75.12228804 43.07436557 W9-8 -75.1222662 43.07431172 W9-9, end, to W9-1 -75.1221708 43.07439369 W9-Up-1 -75.1221708 43.07373163 W10-1, to W3-54 Floodplain Boundary -75.12185945 43.07358607 W10-2 Floodplain Boundary -75.1219991 43.07371665 W10-3 Floodplain Boundary -75.12213978 43.0737129 W10-4 Floodplain Boundary -75.12232481 43.0737117 W10-5 Floodplain Boundary -75.12232481 43.0737117 W10-6 Floodplain Boundary -75.12233086 43.0736916 W10-7 Floodplain Boundary -75.1221096 43.07386724 W10-8 Floodplain Boundary -75.12214848 43.0740254 W10-10 Floodplain Boundary -75.12214848 43.0741837 W10-11 Floodplain Boundary -75.12238723 43.0742641 W10-14 Floodplain Boundary -75.12238723 43.07426741 W10-14 Floodplain Boundary -75.12238723 43.07439053 W10-15 Floodplain Boundary -75.12235794 43.07464803 W10-17 Floodplain Boundary	-75.12218904	43.07439196	W9-2	
-75.12202888	-75.12213327	43.07450179	W9-3	
-75.12211012	-75.12204264	43.07458332	W9-4	
-75.12217157	-75.12202888	43.07461627	W9-5	
-75.12228804 43.07436557 W9-8  -75.1222662 43.07431172 W9-9, end, to W9-1  -75.12212953 43.07439369 W9-Up-1  -75.1221708 43.07439585 W9-Wet-1  -75.12168802 43.07373163 W10-1, to W3-54 Floodplain Boundary  -75.1219991 43.07358607 W10-2 Floodplain Boundary  -75.1219991 43.07371665 W10-3 Floodplain Boundary  -75.12213978 43.0737243 W10-5 Floodplain Boundary  -75.12233978 43.0737117 W10-6 Floodplain Boundary  -75.12233086 43.07369116 W10-7 Floodplain Boundary  -75.12233086 43.07386724 W10-8 Floodplain Boundary  -75.1221434 43.0740254 W10-9 Floodplain Boundary  -75.12214848 43.07411837 W10-10 Floodplain Boundary  -75.12221174 43.07420119 W10-12 Floodplain Boundary  -75.12238723 43.0745126 W10-16 Floodplain Boundary  -75.12235843 43.0745126 W10-16 Floodplain Boundary  -75.12235843 43.0745126 W10-16 Floodplain Boundary  -75.12235843 43.0745126 W10-16 Floodplain Boundary	-75.12211012	43.07458462	W9-6	
-75.1222662 43.07431172 W9-9, end, to W9-1 -75.12212953 43.07439369 W9-Up-1 -75.1221708 43.07439585 W9-Wet-1 -75.12168802 43.07358607 W10-2 Floodplain Boundary -75.1219991 43.07371665 W10-3 Floodplain Boundary -75.12196191 43.07391295 W10-4 Floodplain Boundary -75.12213978 43.07377243 W10-5 Floodplain Boundary -75.12232481 43.07371117 W10-6 Floodplain Boundary -75.12232481 43.07369116 W10-7 Floodplain Boundary -75.12233086 43.07369116 W10-7 Floodplain Boundary -75.1221096 43.07389946 W10-9 Floodplain Boundary -75.122214848 43.0740129 W10-10 Floodplain Boundary -75.122214848 43.07411837 W10-11 Floodplain Boundary -75.12233723 43.07420119 W10-12 Floodplain Boundary -75.12238723 43.07426741 W10-14 Floodplain Boundary -75.12235843 43.0745126 W10-16 Floodplain Boundary -75.12235843 43.07464803 W10-17 Floodplain Boundary	-75.12217157	43.07449107	W9-7	
-75.12212953         43.07439369         W9-Up-1           -75.12221708         43.07439585         W9-Wet-1           -75.12168802         43.07373163         W10-1, to W3-54         Floodplain Boundary           -75.12185945         43.07358607         W10-2         Floodplain Boundary           -75.1219991         43.07371665         W10-3         Floodplain Boundary           -75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.1223978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.073731117         W10-6         Floodplain Boundary           -75.12242533         43.07369116         W10-7         Floodplain Boundary           -75.12233086         43.07386724         W10-8         Floodplain Boundary           -75.12221096         43.07389946         W10-9         Floodplain Boundary           -75.122214848         43.0740254         W10-10         Floodplain Boundary           -75.12221774         43.07420119         W10-12         Floodplain Boundary           -75.12238723         43.07413497         W10-13         Floodplain Boundary           -75.12238843         43.0745126         W10-16         Floodplain Boundary           -75.122358	-75.12228804	43.07436557	W9-8	
-75.12221708         43.07439585         W9-Wet-1           -75.12168802         43.07373163         W10-1, to W3-54         Floodplain Boundary           -75.12185945         43.07358607         W10-2         Floodplain Boundary           -75.1219991         43.07371665         W10-3         Floodplain Boundary           -75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.12213978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.07377117         W10-6         Floodplain Boundary           -75.12233086         43.07369116         W10-7         Floodplain Boundary           -75.12221096         43.07386724         W10-8         Floodplain Boundary           -75.12221434         43.0740254         W10-10         Floodplain Boundary           -75.122214848         43.07411837         W10-11         Floodplain Boundary           -75.12221174         43.07420119         W10-12         Floodplain Boundary           -75.12236182         43.07413497         W10-13         Floodplain Boundary           -75.12238723         43.07426741         W10-14         Floodplain Boundary           -75.12235843         43.0745126         W10-16         Floodplain Boundary	-75.1222662	43.07431172	W9-9, end, to W9-1	
-75.12168802         43.07373163         W10-1, to W3-54         Floodplain Boundary           -75.12185945         43.07358607         W10-2         Floodplain Boundary           -75.1219991         43.07371665         W10-3         Floodplain Boundary           -75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.12213978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.07377117         W10-6         Floodplain Boundary           -75.12242533         43.07369116         W10-7         Floodplain Boundary           -75.12233086         43.07386724         W10-8         Floodplain Boundary           -75.12221096         43.07389946         W10-9         Floodplain Boundary           -75.12221434         43.0740254         W10-10         Floodplain Boundary           -75.122214848         43.07411837         W10-11         Floodplain Boundary           -75.12236182         43.07426741         W10-12         Floodplain Boundary           -75.12238723         43.07426741         W10-14         Floodplain Boundary           -75.12235843         43.0745126         W10-16         Floodplain Boundary           -75.12235794         43.07464803         W10-17	-75.12212953	43.07439369	W9-Up-1	
-75.12185945         43.07358607         W10-2         Floodplain Boundary           -75.1219991         43.07371665         W10-3         Floodplain Boundary           -75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.12213978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.07371117         W10-6         Floodplain Boundary           -75.12242533         43.07369116         W10-7         Floodplain Boundary           -75.12233086         43.07386724         W10-8         Floodplain Boundary           -75.12221096         43.07389946         W10-9         Floodplain Boundary           -75.12221434         43.0740254         W10-10         Floodplain Boundary           -75.12214848         43.07411837         W10-11         Floodplain Boundary           -75.1223174         43.07420119         W10-12         Floodplain Boundary           -75.12236182         43.07413497         W10-13         Floodplain Boundary           -75.12238723         43.07426741         W10-14         Floodplain Boundary           -75.12235843         43.0745126         W10-16         Floodplain Boundary           -75.12235794         43.07464803         W10-17         Floodp	-75.12221708	43.07439585	W9-Wet-1	
-75.1219991         43.07371665         W10-3         Floodplain Boundary           -75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.12213978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.07371117         W10-6         Floodplain Boundary           -75.12242533         43.07369116         W10-7         Floodplain Boundary           -75.12233086         43.07386724         W10-8         Floodplain Boundary           -75.12221096         43.07389946         W10-9         Floodplain Boundary           -75.12214848         43.0740254         W10-10         Floodplain Boundary           -75.12214848         43.07420119         W10-11         Floodplain Boundary           -75.12236182         43.07420119         W10-12         Floodplain Boundary           -75.12238723         43.07426741         W10-14         Floodplain Boundary           -75.12244296         43.07439053         W10-15         Floodplain Boundary           -75.12235794         43.07464803         W10-17         Floodplain Boundary           -75.12235794         43.07464803         W10-17         Floodplain Boundary	-75.12168802	43.07373163	W10-1, to W3-54	Floodplain Boundary
-75.12196191         43.07391295         W10-4         Floodplain Boundary           -75.12213978         43.07377243         W10-5         Floodplain Boundary           -75.12232481         43.07371117         W10-6         Floodplain Boundary           -75.12242533         43.07369116         W10-7         Floodplain Boundary           -75.12233086         43.07386724         W10-8         Floodplain Boundary           -75.12221096         43.07389946         W10-9         Floodplain Boundary           -75.12221434         43.0740254         W10-10         Floodplain Boundary           -75.12214848         43.07411837         W10-11         Floodplain Boundary           -75.12236182         43.07420119         W10-12         Floodplain Boundary           -75.12238723         43.07439053         W10-14         Floodplain Boundary           -75.12235843         43.0745126         W10-16         Floodplain Boundary           -75.12235794         43.07464803         W10-17         Floodplain Boundary           Floodplain Boundary         Floodplain Boundary         Floodplain Boundary	-75.12185945	43.07358607	W10-2	Floodplain Boundary
-75.12213978       43.07377243       W10-5       Floodplain Boundary         -75.12232481       43.07371117       W10-6       Floodplain Boundary         -75.12242533       43.07369116       W10-7       Floodplain Boundary         -75.12233086       43.07386724       W10-8       Floodplain Boundary         -75.12221096       43.07389946       W10-9       Floodplain Boundary         -75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.1219991	43.07371665	W10-3	Floodplain Boundary
-75.12232481       43.07371117       W10-6       Floodplain Boundary         -75.12242533       43.07369116       W10-7       Floodplain Boundary         -75.12233086       43.07386724       W10-8       Floodplain Boundary         -75.12221096       43.07389946       W10-9       Floodplain Boundary         -75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12196191	43.07391295	W10-4	Floodplain Boundary
-75.12242533       43.07369116       W10-7       Floodplain Boundary         -75.12233086       43.07386724       W10-8       Floodplain Boundary         -75.12221096       43.07389946       W10-9       Floodplain Boundary         -75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12213978	43.07377243	W10-5	Floodplain Boundary
-75.12233086       43.07386724       W10-8       Floodplain Boundary         -75.12221096       43.07389946       W10-9       Floodplain Boundary         -75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12232481	43.07371117	W10-6	Floodplain Boundary
-75.12221096       43.07389946       W10-9       Floodplain Boundary         -75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12242533	43.07369116	W10-7	Floodplain Boundary
-75.12221434       43.0740254       W10-10       Floodplain Boundary         -75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12233086	43.07386724	W10-8	Floodplain Boundary
-75.12214848       43.07411837       W10-11       Floodplain Boundary         -75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12221096	43.07389946	W10-9	Floodplain Boundary
-75.12221174       43.07420119       W10-12       Floodplain Boundary         -75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12221434	43.0740254	W10-10	Floodplain Boundary
-75.12236182       43.07413497       W10-13       Floodplain Boundary         -75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12214848	43.07411837	W10-11	Floodplain Boundary
-75.12238723       43.07426741       W10-14       Floodplain Boundary         -75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12221174	43.07420119	W10-12	Floodplain Boundary
-75.12244296       43.07439053       W10-15       Floodplain Boundary         -75.12235843       43.0745126       W10-16       Floodplain Boundary         -75.12235794       43.07464803       W10-17       Floodplain Boundary	-75.12236182	43.07413497	W10-13	Floodplain Boundary
-75.12235843 43.0745126 W10-16 Floodplain Boundary -75.12235794 43.07464803 W10-17 Floodplain Boundary	-75.12238723	43.07426741	W10-14	Floodplain Boundary
-75.12235794 43.07464803 W10-17 Floodplain Boundary	-75.12244296	43.07439053	W10-15	Floodplain Boundary
' '	-75.12235843	43.0745126	W10-16	Floodplain Boundary
-75.12227027 43.0748025 W10-18, end Floodplain Boundary	-75.12235794	43.07464803	W10-17	Floodplain Boundary
	-75.12227027	43.0748025	W10-18, end	Floodplain Boundary

Wetland Delineation Point Coordinates - Interpolated from Delineation Verification Site Visit notes, Drone Photo and LiDAR Contours

Longitude	Latitude	Comment/Flag No.
-75.12349600	43.07273828	W10-1
-75.12353173	43.07272633	W10-2
-75.12356761	43.07279062	W10-3
-75.12355955	43.07282518	W10-4
-75.12349962	43.07291936	W10-5
-75.12329042	43.07312925	W10-6
-75.12307794	43.07332842	W10-7
-75.12305833	43.07327245	W10-8
-75.12313278	43.07312108	W10-9
-75.12332574	43.07291835	W10-10, end, to W10-1
-75.12311859	43.07252664	W11-1
-75.12327270	43.07239901	W11-2
-75.12337681	43.07245370	W11-3
-75.12332505	43.07257288	W11-4
-75.12307376	43.07286382	W11-5
-75.12304767	43.07281382	W11-6
-75.12300840	43.07268282	W11-7, end, to W11-1

## **APPENDIX V**

#### WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/10/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: w1-Wet-1
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Schuyler
Landform (hillside, terrace, etc.): Local r	relief (concave, convex, none): concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.075275	Long: -75.121439 Datum: WGS 84
Soil Map Unit Name: Palms Muck	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, SoilX_, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (E	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)  Oxidized Rhizospheres of Podused Ires	
Drift Deposits (B3)Presence of Reduced Iro	
Algal Mat or Crust (B4)  Iron Deposits (B5)  Recent Iron Reduction in Thin Muck Surface (C7)	n Tilled Soils (C6) X Geomorphic Position (D2) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remark	<del></del>
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	<u> </u>
Surface Water Present? Yes X No Depth (inches):	1
Water Table Present?  Yes X  No  Depth (inches):  Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks: wetland/sampling point was located within active farm field that had not bee	en planted during growing season of 2019 and had recently been mowed.

#### **VEGETATION** – Use scientific names of plants.

T 01 1 (D) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 15 by 30')	% Cover	Species?	Status	Dominance Test worksheet:		
1. Ulmus americana			FACW	Number of Dominant Species		
2. Acer rubrum		·	FAC	That Are OBL, FACW, or FAC:1 (A)		
<ul><li>3. Fraxinus pennsylvanica</li><li>4.</li></ul>		<u> </u>	FACW	Total Number of Dominant Species Across All Strata: 1 (B)		
5.				Percent of Dominant Species		
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)		
7.				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species x 1 =		
1. Cornus sericea			FACW	FACW species x 2 =		
2. Acer rubrum			FAC	FAC species x 3 =		
3. Fraxinus pennsylvanica			FACW	FACU species x 4 =		
4. Lonicera tatarica			FACU	UPL species x 5 =		
5.				Column Totals: (A) (B)		
6.				Prevalence Index = B/A =		
7.				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 10 by 15')		•		X 2 - Dominance Test is >50%		
1. Lythrum salicaria	15	No	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phalaris arundinacea			FACW	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)		
Polygonum sagittatum			OBL			
Onoclea sensibilis			FACW			
Typha angustifolia	45	Yes	OBL			
6. Impatiens capensis	5	No No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Carex stricta	5	No No	FACW	Definitions of Vegetation Strata:		
		110	FACW	Deminions of Vegetation Strata.		
			FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
<u> </u>			FACW	diameter at breast neight (DBH), regardless of neight.		
10. Bidens spp.		N-		Sapling/shrub – Woody plants less than 3 in. DBH		
11. Eupatorium perfoliatum	5	No No	FACW	and greater than or equal to 3.28 ft (1 m) tall.		
12. Juncus effusus	5	No	OBL	Herb – All herbaceous (non-woody) plants, regardless		
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in		
1.				height.		
2.				Hydrophytic		
3.				Vegetation		
4.				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)					

Sampling Point: W1-Wet-1

SOIL Sampling Point W1-Wet-1

Profile Desc Depth	ription: (Describe to Matrix	to the de		<b>ument th</b> x Featur		ator or co	onfirm the absence of inc	dicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	10YR 2/1	100			<u></u>		Loamy/Clayey	
8-16	10YR 3/1	100					Loamy/Clayey	
0-10	10113/1	100					Loanly/Clayey	
								_
								_
	oncentration, D=Depl	letion, RN	1=Reduced Matrix, N	IS=Masl	ked Sand	d Grains.		ore Lining, M=Matrix.
Hydric Soil I			Dobarelus Dele	w Curfo	oo (CO) (	LDDD		roblematic Hydric Soils <sup>3</sup> :
Histosol	oipedon (A2)		Polyvalue Belo MLRA 149B		ce (So) (	LKK K,		A10) ( <b>LRR K, L, MLRA 149B</b> ) e Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	•	(LRR R	. MLRA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					elow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					urface (S9) ( <b>LRR K, L</b> )
Depleted	l Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont Flo	oodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su	,	,			c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	ileyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress		8)			V Dark Surface (F22)
	Matrix (S6) face (S7)		Marl (F10) ( <b>LR</b>	K N, L)			X Other (Expla	in in Remarks)
Dark Sui	lace (ST)							
<sup>3</sup> Indicators of	f hvdrophytic vegetat	ion and v	etland hvdrologv mu	ıst be pr	resent. ui	nless dist	urbed or problematic.	
Restrictive L	_ayer (if observed):		,				,	
Type:	,							
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:								
								nt that the A/B horizons have been
								/ loam for the entire test pit ~16-18- e additional hydric soil indicators to
	rming practices ceas		orr aim which, the m	yurology	y and ve	getation	idicators, one can presum	e additional flydric soil indicators to
	01							

#### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/10/19			
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W1-Up-1			
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Schuyler					
Landform (hillside, terrace, etc.): none		ave, convex, none): concave	Slope %: 0-5%			
Subregion (LRR or MLRA): LRR L	Lat: 43.075273	Long: -75.121195	Datum: WGS 84			
Soil Map Unit Name: Palms muck (Pk)	-	NWI classification:				
Are climatic / hydrologic conditions on the site typi	cal for this time of year?		explain in Remarks.)			
Are Vegetation, SoilX_, or Hydrology	•	Are "Normal Circumstances" pres				
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in				
SUMMARY OF FINDINGS – Attach site						
Hydrophytic Vegetation Present? Yes	s No X Is the Sa	ampled Area				
Hydric Soil Present? Yes		Wetland? Yes	No X			
Wetland Hydrology Present? Yes	No X If yes, or	otional Wetland Site ID:				
HANDOLOGA						
HYDROLOGY						
Wetland Hydrology Indicators:	de a ale all the steered by	· · · · · · · · · · · · · · · · · · ·	minimum of two required)			
Primary Indicators (minimum of one is required; of Surface Water (A4)		Surface Soil Crack	, ,			
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)  Moss Trim Lines (B16)			
High Water Table (A2)	_Aquatic Fauna (B13)		Dry-Season Water Table (C2)			
Saturation (A3)	Marl Deposits (B15)	<del></del> ·	Crayfish Burrows (C8)			
Water Marks (B1)	_ Hydrogen Sulfide Odor (C1)		on Aerial Imagery (C9)			
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhizospheres on Living Ro Presence of Reduced Iron (C4)	Stunted or Stresse				
<u> </u>	Recent Iron Reduction in Tilled Soils					
Algal Mat or Crust (B4) Iron Deposits (B5)		· · · —	` ,			
Inundation Visible on Aerial Imagery (B7)	_Thin Muck Surface (C7) Other (Explain in Remarks)	Shallow Aquitard ( Microtopographic I	·			
Sparsely Vegetated Concave Surface (B8)	_ Other (Explain in Nemarks)	FAC-Neutral Test	` '			
		rac-neutral rest	(D3)			
Field Observations:	Y 5 " " ' 1 ' )					
	Depth (inches):					
	Depth (inches):	Wetlered Uniduals and Duncas at 2	Vaa Na V			
	Depth (inches):	Wetland Hydrology Present?	Yes No _X_			
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitor	ing well periol photos, provious inone	etions) if available:				
Describe Necorded Data (Stream gauge, monitor	ng well, aerial priotos, previous inspe	Stions), ii avaliable.				
Remarks:						
sampling point was located within active farm fiel	d that had not been planted during gro	owing season of 2019 and had rec	ently been mowed.			
	, 55	S	•			

#### **VEGETATION** – Use scientific names of plants.

Trac Stratum (Diat size)	15 by 20'	Absolute	Dominant Species?	Indicator Status	Deminance Test worksheet		
Tree Stratum (Plot size:	15 by 30' )	% Cover	Species?		Dominance Test worksheet:		
Prunus serotina				FACU	Number of Dominant Species	0 (4)	
2. Pinus strobus				FACU	That Are OBL, FACW, or FAC:	(A)	
3. Thuja occidentalis				FACU	Total Number of Dominant		
4. Acer rubrum				FAC	Species Across All Strata:	1 (B)	
5. Fraxinus americana				FACU	Percent of Dominant Species		
6. Acer saccharum	_	-		FACU	That Are OBL, FACW, or FAC:	0.0% (A/B)	
7. Fagus grandifolia				FACU	Prevalence Index worksheet:		
			=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plo	t size: 15 by 20')				· ———	x 1 =0	
1. Rhamnus frangula				FAC	FACW species 0	x 2 =0	
2. Lonicera tatarica				FACU	FAC species 0	x 3 =0	
3. Fraxinus americana				FACU	FACU species 20	x 4 =80	
4. Prunus serotina				FACU	UPL species 65	x 5 = <u>325</u>	
5. Acer saccharum				FACU	Column Totals: 85	(A) 405 (B)	
6. Lindera benzoin		-		FACW	Prevalence Index = B/A	.= 4.76	
7. Rosa multiflora		-		FACU	Hydrophytic Vegetation Indicators:		
			=Total Cover		1 - Rapid Test for Hydrophy	ytic Vegetation	
Herb Stratum (Plot size:	10 by 15' )				2 - Dominance Test is >50	%	
1. Rubus lawrencei				FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Toxicodendron radicans				UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Pteridium aquilinum				FACU	data in Remarks or on a separate sheet)		
4. Cornus canadensis				FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Rubus allegheniensis				FACU	1 adicates of budgic acil and wetles discount budgetons and		
6. Solidago canadensis		10	No	FACU	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>		
7. Artemisia vulgaris		65	Yes	UPL	Definitions of Vegetation Stra		
8. Trifolium repens		10	No	FACU	_		
9. Dactyis glomerata	_			FACU	Tree – Woody plants 3 in. (7.6 diameter at breast height (DBH		
10. Parthenocissus quinque	folia			FACU			
11. Asclepias syriaca				FACU	Sapling/shrub – Woody plants and greater than or equal to 3.2		
12. Daucus carota				UPL			
Dadodo carota		85	=Total Cover	<u> </u>	<b>Herb</b> – All herbaceous (non-wo of size, and woody plants less t	• / .	
Woody Vine Stratum (Plo	t size:		- rotal Gover		,		
1.	, size				<b>Woody vines</b> – All woody vines height.	s greater than 3.28 ft in	
2	-				neight.		
					Hydrophytic		
					Vegetation	No. V	
4					Present? Yes	No_X	
			=Total Cover				
Remarks: (Include photo nu	mbers here or on a sepa	rate sheet.)					

Sampling Point:

W1-Up-1

SOIL Sampling Point W1-Up-1

		the dept				tor or co	onfirm the absence of indic	cators.)	
Depth (inches)	Matrix Color (moist)	%		k Featur o/.		Loc <sup>2</sup>	Toyturo	Pomorko	
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remarks	
0-18	10YR 2/1	100					Sandy		
							· · · · · · · · · · · · · · · · · · ·		
¹Type: C=Co	ncentration, D=Deple	tion. RM=	Reduced Matrix. M	IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Por	e Lining, M=Matrix.	
Hydric Soil I		,				<u> </u>		blematic Hydric Soils	3.
Histosol			Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	RR R.		0) (LRR K, L, MLRA 1	
	ipedon (A2)	_	MLRA 149B		() (-	,		Redox (A16) ( <b>LRR K, L</b>	
Black His			Thin Dark Surfa		(LRR R.	MLRA 1		eat or Peat (S3) ( <b>LRR I</b>	-
	n Sulfide (A4)	_	High Chroma S					w Surface (S8) ( <b>LRR</b> M	-
	Layers (A5)	_	Loamy Mucky					ace (S9) ( <b>LRR K, L</b> )	-, -,
	Below Dark Surface	(A11)	Loamy Gleyed			· · · · · , — /		se Masses (F12) (LRR	KIR)
	rk Surface (A12)		Depleted Matrix		)			dplain Soils (F19) ( <b>MLI</b>	
	ucky Mineral (S1)	-	Redox Dark Su		:6)			TA6) (MLRA 144A, 14	-
	leyed Matrix (S4)	-	Depleted Dark				Red Parent Ma		0, 1400)
	edox (S5)	-	Redox Depress					Dark Surface (F22)	
	Matrix (S6)	-	Marl (F10) (LR		5)		Other (Explain		
? Dark Sur		_		····, =/			Outer (Explain	iii rtomanto,	
Bark Gar	1400 (01)								
3Indicators of	hydrophytic vegetatio	n and we	tland hydrology mu	ist he nr	esent ur	leee diet	urbed or problematic		
	aver (if observed):	ii ana wo	dana nyarology me	iot be pi	COCITE, GI	ilooo diot	arboa or problematio.		
Type:	ayer (ii observea).								
_								.,	
Depth (in	ches):						Hydric Soil Present?	Yes No	
Remarks:									
Tilled ag field									

#### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mohawk SA	City/County: He	rkimer	Sampling Date: 10/10/19		
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W1-Wet-2		
Investigator(s): Colin Diehl/Travis Money	Section	n, Township, Range: Schuyle	er		
Landform (hillside, terrace, etc.):	Local relief (concave, c	convex, none): none	Slope %: 0-3		
Subregion (LRR or MLRA): LRR L	Lat: 43.0758091 L	ong: -75.1218471	Datum: WGS 84		
Soil Map Unit Name: Palms Muck		NWI classification	: PFO		
Are climatic / hydrologic conditions on the site typic	cal for this time of year?		explain in Remarks.)		
Are Vegetation, Soil, or Hydrology		'Normal Circumstances" pres	,		
Are Vegetation, Soil, or Hydrology		eeded, explain any answers i			
SUMMARY OF FINDINGS – Attach site			•		
Hydrophytic Vegetation Present? Yes	X No Is the Sample	ed Δrea			
Hydric Soil Present? Yes	X No within a Wet		No		
Wetland Hydrology Present? Yes	<del></del>	al Wetland Site ID:	<u> </u>		
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)		
Primary Indicators (minimum of one is required; cl	neck all that apply)	Surface Soil Crack	(s (B6)		
<del></del> -	Water-Stained Leaves (B9)	Drainage Patterns			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (	·	on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	` '		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (	: :		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic I	` '		
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test	(D5)		
Field Observations:					
Surface Water Present? Yes No	Depth (inches):				
Water Table Present? Yes No	: ` `				
Saturation Present? Yes X No	Depth (inches): 6 <b>W</b> 6	etland Hydrology Present?	Yes <u>X</u> No		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring	ng well, aerial photos, previous inspections	s), if available:			
Remarks:					
near upland inclusion of wetland W1 at northwest	corner of Site, south of rall line				

Absolute	Dominant	Indicator	
% Cover	Species?	Status	Dominance Test worksheet:
			Number of Dominant Species
		FAC	That Are OBL, FACW, or FAC:6 (A)
		FACW	Total Number of Dominant
35	Yes	FACW	Species Across All Strata: 6 (B)
25	Yes	FAC	Percent of Dominant Species
			That Are OBL, FACW, or FAC:100.0% (A/B
			Prevalence Index worksheet:
60	=Total Cover		Total % Cover of: Multiply by:
			OBL species x 1 =
		FACW	FACW species x 2 =
		FAC	FAC species x 3 =
15	Yes	FACW	FACU species x 4 =
	· <u></u>	FACU	UPL species x 5 =
			Column Totals: (A) (B
			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			X 2 - Dominance Test is >50%
		OBI	3 - Prevalence Index is ≤3.0 <sup>1</sup>
			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
			data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
-			robicinatio riyuropriyito vegetation (Explain)
25	Voc		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	165		
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
10	res		diameter at breast height (DBH), regardless of height
			Sapling/shrub – Woody plants less than 3 in. DBH
			and greater than or equal to 3.28 ft (1 m) tall.
		OBL	Herb – All herbaceous (non-woody) plants, regardles
45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
			Woody vines – All woody vines greater than 3.28 ft i
			height.
			Hydrophytic
			Vegetation
			Present?
	=Total Cover		1
	25 60 15 15 25 10 10	35	FACW   FACW

SOIL Sampling Point W1-Wet-2

		o the de	-			ator or c	onfirm the absence of	indicators.)	
Depth	Matrix	0/		Featur		1 2	Tandona	Damanica	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture (Olave	Remarks	
0-4	10YR 4/2	100					Mucky Loam/Clay	silty loam with gravel	
4-8	10YR 4/1	85	7.5YR 4/6	15	С	M	Loamy/Clayey	silty clay loam	
8-14	7.5YR 3/1	90	10YR 5/6	10	<u>C</u>	<u>M</u>	Loamy/Clayey	clay loam	
								_	
	oncentration, D=Deple	etion, RN	/I=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		=Pore Lining, M=Matrix.	
Hydric Soil I Histosol			Polyvalue Belov	w Surfa	ca (S8) (	I DD D		r Problematic Hydric Soils <sup>3</sup> : k (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B)		ce (30) (i	LKK K,		airie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Surfa		(LRR R	, MLRA		ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )	
	n Sulfide (A4)		High Chroma S					Below Surface (S8) ( <b>LRR K, L</b> )	
Stratified	Layers (A5)		X Loamy Mucky N	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dark	Surface (S9) ( <b>LRR K, L</b> )	
Depleted	d Below Dark Surface	(A11)	X Loamy Gleyed	Matrix (	F2)		Iron-Mang	ganese Masses (F12) ( <b>LRR K, L, R</b> )	
Thick Da	ark Surface (A12)	X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 14)				Floodplain Soils (F19) (MLRA 149B)			
Sandy M	lucky Mineral (S1)		Redox Dark Su	rface (F	6)		Mesic Spo	odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )	
Sandy G	Sleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
	ledox (S5)		Redox Depress		8)		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) ( <b>LRI</b>	<b>R K</b> , <b>L</b> )			Other (Explain in Remarks)		
Dark Sur	rface (S7)								
<sup>3</sup> Indicators of	f hydrophytic vegetati	on and v	vetland hvdrologv mu	st be pr	esent. ur	nless dis	turbed or problematic.		
	_ayer (if observed):			от во р.					
Туре:									
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No	
Remarks:							!		
								S Field Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://w	ww.nrcs	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	(2p2_051293.docx)		

Project/Site: Mohawk SA	City/County	r: Herkimer	Sampling Date: 10/10/19				
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W1-Up-2				
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Schuyle	<u> </u>				
Landform (hillside, terrace, etc.): hillside		ve, convex, none): convex	Slope %: 0-3				
Subregion (LRR or MLRA): LRR L	Lat: 43.0758523	Long: -75.1211791	Datum: WGS 84				
Soil Map Unit Name: Palms muck (Pk)		NWI classification:					
Are climatic / hydrologic conditions on the site typical	al for this time of year?		explain in Remarks.)				
Are Vegetation, Soil, or Hydrology _	-	Are "Normal Circumstances" pres					
Are Vegetation, Soil, or Hydrology _		(If needed, explain any answers in					
SUMMARY OF FINDINGS – Attach site		nt locations, transects, in	nportant features, etc.				
Hydrophytic Vegetation Present? Yes	No X Is the Sa	mpled Area					
Hydric Soil Present? Yes		Wetland? Yes	No X				
Wetland Hydrology Present? Yes	No X If yes, op	tional Wetland Site ID:					
HYDROLOGY							
Wetland Hydrology Indicators:			minimum of two required)				
Primary Indicators (minimum of one is required; ch		Surface Soil Crack					
l <del></del>	Water-Stained Leaves (B9)	Drainage Patterns					
<u> </u>	Aquatic Fauna (B13) Moss Trim Lines (B16)						
l —	Marl Deposits (B15)	Dry-Season Water					
l —	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Ro	Crayfish Burrows (	on Aerial Imagery (C9)				
	Presence of Reduced Iron (C4)	· · ·					
<del>-</del>	Recent Iron Reduction in Tilled Soils		Stunted or Stressed Plants (D1) Geomorphic Position (D2)				
l — · · · · · — ·	Thin Muck Surface (C7)	Shallow Aquitard (					
1 — · · · · · · · · —	ther (Explain in Remarks)  Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:		<del></del> _	( - 7				
	X Depth (inches):						
<del></del> -	X Depth (inches):						
Saturation Present? Yes No	X Depth (inches):	Wetland Hydrology Present?	Yes No X				
(includes capillary fringe)	<u> </u>	,					
Describe Recorded Data (stream gauge, monitorin	g well, aerial photos, previous inspec	tions), if available:					
Remarks:	n of Cita accepts of unit line						
upland inclusion of wetland W1 at northwest corne	r of Site, south of rail line						

Free Otrotomy (Distriction 451, 001, )	Absolute	Dominant	Indicator	Barriago Tarkarada I
Free Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:
1. Prunus serotina			FACU	Number of Dominant Species
2. Pinus strobus			FACU	That Are OBL, FACW, or FAC: 2 (A)
3. Thuja occidentalis			FACU	Total Number of Dominant
1. Acer rubrum			FAC	Species Across All Strata: 6 (B)
5. <u>Fraxinus americana</u>	10	Yes	FACU	Percent of Dominant Species
6. Acer saccharum			FACU	That Are OBL, FACW, or FAC: 33.3% (A/B
7. Acer negundo	30	Yes	FAC	Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species 0 x 1 = 0
1. Rhamnus frangula	10	Yes	FAC	FACW species 0 x 2 = 0
2. Lonicera tatarica			FACU	FAC species 50 x 3 = 150
3. Fraxinus americana	15	Yes	FACU	FACU species 55 x 4 = 220
1. Prunus serotina			FACU	UPL species 20 x 5 = 100
5. Acer saccharum			FACU	Column Totals: 125 (A) 470 (B
5. <u>Lindera benzoin</u>			FACW	Prevalence Index = B/A = 3.76
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15')				2 - Dominance Test is >50%
1. <i>Urtica dioica</i>	10	No	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Toxicodendron radicans	20	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Pteridium aquilinum			FACU	data in Remarks or on a separate sheet)
4. Cornus canadensis			FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Rubus allegheniensis	15	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
S. Solidago canadensis	10	No	FACU	be present, unless disturbed or problematic.
7. Artemisia vulgaris			UPL	Definitions of Vegetation Strata:
3. Trifolium repens			FACU	Tara Maada planta 2 in (7 C and) an maan in
Dactyis glomerata			FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
10. Parthenocissus quinquefolia	5	No	FACU	
11. Asclepias syriaca			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12. Daucus carota	-		UPL	, , ,
	60	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )		•		
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft i height.
3.	-			Hydrophytic
4.				Vegetation Present? Yes No X
·	-	Tatal Carre		Present?
		=Total Cover		

SOIL Sampling Point W1-Up-2

		o the de				tor or co	onfirm the absence o	f indicato	ors.)	
Depth (inches)	Matrix	%		x Featur		Loc <sup>2</sup>	Taytura		Domor	dea
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture		Remar	KS
8-0	10YR 3/2	100					Sandy			
8-16	10YR 3/3	100						sandy	dry loam wit	h debris/gravel
			-							
					-					
			-							
	ncentration, D=Deple	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	l Grains.	<sup>2</sup> Location: P			
Hydric Soil II Histosol (			Polyvalue Belo	w Surfa	ce (S8) (I	DD D	Indicators for		-	C Solis": MLRA 149B)
	ipedon (A2)		MLRA 149B		ce (56) ( <b>1</b>	-IXIX IX,			ox (A16) ( <b>LF</b>	•
Black His			Thin Dark Surf	•	(LRR R	MLRA 1				(LRR K, L, R)
	n Sulfide (A4)		High Chroma S					-	Surface (S8)	
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Da	rk Surface	e (S9) ( <b>LRR</b>	K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mar	nganese N	Masses (F12	) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri						-	9) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		Redox Dark Su							14A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Mater	iai (F21) k Surface (F:	22)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		5)				Remarks)	22)
Dark Sur			Warr (1 10) (ER	· · · · · · · · · · · · · · · · · · ·				.хрічін ін	(torrianto)	
	(									
<sup>3</sup> Indicators of	hydrophytic vegetation	on and v	vetland hydrology mu	ıst be pr	esent, ur	ıless dist	urbed or problematic.			
Restrictive L	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Prese	nt?	Yes	No X
Remarks:										
hillside of upla	and inclusion - may b	e histori	ical spoils pile from r	ail-line						

Project/Site: Mohawk SA	City/County: Herk	imer	Sampling Date: 10/10/19				
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W1-Wet-3				
Investigator(s): Colin Diehl/Travis Money	Section,	Township, Range: Schuyle	er				
Landform (hillside, terrace, etc.):	Local relief (concave, cor	vex, none): none	Slope %: 0-3				
Subregion (LRR or MLRA): LRR L	Lat: 43.0779713 Lon	g: -75.12682044	Datum: WGS 84				
Soil Map Unit Name: Palms Muck		NWI classification:	PFO				
Are climatic / hydrologic conditions on the site typic	al for this time of year? Yes	X No (If no, o	explain in Remarks.)				
Are Vegetation, Soil, or Hydrology		ormal Circumstances" pres	,				
Are Vegetation, Soil, or Hydrology		ded, explain any answers ir					
SUMMARY OF FINDINGS – Attach site			•				
Hydrophytic Vegetation Present? Yes	X No Is the Sampled	Area					
Hydric Soil Present? Yes	X No within a Wetlar		No				
Wetland Hydrology Present? Yes	<del></del>	Wetland Site ID:	<u></u>				
Remarks: (Explain alternative procedures here or	in a separate report.)						
HYDROLOGY							
	_	Sacandary Indicators (	minimum of two required)				
Wetland Hydrology Indicators:	acek all that apply)	· · · · · · · · · · · · · · · · · · ·	minimum of two required)				
Primary Indicators (minimum of one is required; ch X Surface Water (A1) X		Surface Soil Crack	, ,				
<del></del> -	X Water-Stained Leaves (B9) Drainage Patterns (B10) Aquatic Fauna (B13) X Moss Trim Lines (B16)						
<del></del> -							
<del></del> -	Marl Deposits (B15) Dry-Season Water Table (C2) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)						
<del></del> -	Oxidized Rhizospheres on Living Roots (C3		on Aerial Imagery (C9)				
<del></del> -	Presence of Reduced Iron (C4)	Stunted or Stresse					
<u> </u>	Recent Iron Reduction in Tilled Soils (C6)	X Geomorphic Positi	, ,				
<del></del>	Thin Muck Surface (C7)						
1 <del></del>	Other (Explain in Remarks)	Shallow Aquitard (D3)Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Nemarks)	X FAC-Neutral Test (	, ,				
		A FAC-Neutral Test (	(D3)				
Field Observations:	_ ,,,,,						
Surface Water Present? Yes X No	· · · · <del></del>						
	Depth (inches):						
Saturation Present? Yes No	Depth (inches): Wetl	and Hydrology Present?	Yes <u>X</u> No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections),	if available:					
Remarks:							
at toe of slope of rail line along northern boundary,	east of channel.						

	Absolute	Dominant	Indicator	7	
ree Stratum (Plot size: 15 by 30')	% Cover	Species?	Status	Dominance Test worksheet:	
. Ulmus americana	10	No	FACW	Number of Dominant Species	
2. Ostrya virginiana	5	No	FACU	That Are OBL, FACW, or FAC:	7 (A)
3. Fraxinus pennsylvanica	15	No	FACW	Total Number of Dominant	
l. Salix alba			FACW	Species Across All Strata:	7 (B)
Acer rubrum	25	Yes	FAC	Percent of Dominant Species	
6. Acer saccharinum	25	Yes	FACW	That Are OBL, FACW, or FAC:	100.0% (A/B)
7. Alnus glutinosa			FACW	Prevalence Index worksheet:	
	80	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species	x 1 =
. Cornus sericea			FACW	FACW species	x 2 =
2. Acer rubrum			FAC	FAC species	x 3 =
3. Fraxinus pennsylvanica	15	Yes	FACW	FACU species	x 4 =
Lonicera tatarica			FACU	UPL species	x 5 =
5.				Column Totals:	(A) (B)
3.		·		Prevalence Index = B/A	=
7.				Hydrophytic Vegetation Indica	ators:
	15	=Total Cover		1 - Rapid Test for Hydrophy	tic Vegetation
Herb Stratum (Plot size: 10 by 15' )		,		X 2 - Dominance Test is >50%	6
1. Lythrum salicaria			OBL	3 - Prevalence Index is ≤3.0	)1
2. Phalaris arundinacea			FACW	4 - Morphological Adaptatio	ns¹ (Provide supportinç
3. Polygonum sagittatum			OBL	data in Remarks or on a	separate sheet)
4. Onoclea sensibilis	15	Yes	FACW	Problematic Hydrophytic Ve	egetation <sup>1</sup> (Explain)
5. Typha angustifolia			OBL	<sup>1</sup> Indicators of hydric soil and we	tland hydrology must
6. Impatiens capensis			FACW	be present, unless disturbed or	
7. Urica dioica	15	Yes	FAC	Definitions of Vegetation Stra	ta:
8. Geranium bicknellii	15	Yes	FACW	Tree – Woody plants 3 in. (7.6 c	
9. Iris versicolor	10	No	FACW	diameter at breast height (DBH)	
10. Equisetum arvense	15	Yes	FACW	Sapling/shrub – Woody plants	lose than 3 in DRH
11. Eupatorium perfoliatum		,	FACW	and greater than or equal to 3.2	
12. Juncus effusus			OBL	Harbanana (non wo	
	70	=Total Cover		<b>Herb</b> – All herbaceous (non-wood of size, and woody plants less that	
- Woody Vine Stratum (Plot size: )		•			
1.				<b>Woody vines</b> – All woody vines height.	; greater than 5.∠o it iii
2.				- J	
				Hydrophytic	
4.				Vegetation Present? Yes X	No
···		=Total Cover			

SOIL Sampling Point W1-Wet-3

		the de	-			ator or c	onfirm the absence of in	dicators.)
Depth (inches)	Matrix	%		Featur		Loc <sup>2</sup>	Toyturo	Domestre
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remarks
0-3	10YR 4/2	100					Mucky Loam/Clay	
3-8	10YR 4/1	90	10YR 5/4	10	<u>C</u>	<u>M</u>	Loamy/Clayey	silty clay loam
8-16	7.5YR 4/1	80	10YR 5/6	20	С	M	Loamy/Clayey	clay loam
								_
<sup>1</sup> Type: C=Co	ncentration, D=Deple	tion, RN	/I=Reduced Matrix, N	IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=P	ore Lining, M=Matrix.
Hydric Soil II	ndicators:						Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol (	(A1)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	2 cm Muck (	A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epi	pedon (A2)		MLRA 149B)	)			Coast Prairie	e Redox (A16) ( <b>LRR K, L, R</b> )
Black His	` '		Thin Dark Surfa				<b>149B</b> ) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S				Polyvalue B	elow Surface (S8) ( <b>LRR K, L</b> )
	Layers (A5)		Loamy Mucky I			<b>R K</b> , <b>L</b> )		urface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	X Loamy Gleyed	Matrix (	F2)		Iron-Mangar	nese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		X Depleted Matrix	k (F3)			Piedmont Fl	oodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mi	ucky Mineral (S1)		Redox Dark Su	rface (F	6)		Mesic Spodi	c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy GI	eyed Matrix (S4)		Depleted Dark	Surface	(F7)			Material (F21)
Sandy Re			Redox Depress		8)			v Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b> l	<b>R K, L</b> )			Other (Expla	iin in Remarks)
Dark Surf	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetation	on and v	vetland hydrology mu	st be pr	esent, ur	nless dis	turbed or problematic.	
	ayer (if observed):		, 0,		,		i i	
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes X No
Remarks:		_						
	n is revised from Nor 2015 Errata. (http://w							Field Indicators of Hydric Soils,
version 7.0, 2	2013 Eliata. (IIIIp.//wi	ww.iiics	usua.gov/internet/1 c	SE_DOC	OIVILINI	3/11105 14	+2p2_031293.d0cx)	

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/10/19				
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W1-Up-3				
Investigator(s): Colin Diehl/Travis Money Section, Township, Range: Town of Schuyler							
Landform (hillside, terrace, etc.): hillside		ive, convex, none):	Slope %: 0-3				
Subregion (LRR or MLRA): LRR L	Lat: 43.0780491	Long: -75.1267871	Datum: WGS 84				
Soil Map Unit Name: Palms muck (Pk)		NWI classification:					
Are climatic / hydrologic conditions on the site typic	cal for this time of year?		explain in Remarks.)				
Are Vegetation, Soil, or Hydrology	·	Are "Normal Circumstances" pres					
Are Vegetation, Soil, or Hydrology	<del></del>	(If needed, explain any answers in					
SUMMARY OF FINDINGS – Attach site		nt locations, transects, in	nportant features, etc.				
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area					
Hydric Soil Present? Yes		Wetland? Yes	No X				
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:	<u></u>				
Remarks: (Explain alternative procedures here or	in a separate report.)						
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)							
High Water Table (A2)	Aquatic Fauna (B13) Moss Trim Lines (B16)						
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)				
Water Marks (B1)	_Hydrogen Sulfide Odor (C1)	Crayfish Burrows (					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible	on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	d Iron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils						
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (	D3)				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic I	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)				
Field Observations:							
Surface Water Present? Yes No	X Depth (inches):						
Water Table Present? Yes No	X Depth (inches):						
Saturation Present? Yes No	X Depth (inches):	Wetland Hydrology Present?	Yes No _ X				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, previous inspec	ctions), if available:					
Remarks: along rail line slope, northwestern edge of Site							
along fail line slope, northwestern edge of Site							

Tree Stratum (Plot size: 15 by 30' ) %  Prunus serotina  Pinus strobus  Thuja occidentalis  Acer rubrum  Acer saccharum  Acer negundo  Rapling/Shrub Stratum (Plot size: 15 by 20' )  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	5 15 35 10 20	No Yes  Yes  Total Cover  Total Cover	FACU FACU FACU FACU FACU FACU FACU FACU	Dominance Test worksheet:           Number of Dominant Species         2 (A)           Total Number of Dominant         2 (B)           Species Across All Strata:         6 (B)           Percent of Dominant Species         6 (A)           That Are OBL, FACW, or FAC:         33.3% (A/B)           Prevalence Index worksheet:         Multiply by:           OBL species         0 x1 = 0           FACW species         0 x2 = 0           FAC species         30 x3 = 90           FACU species         45 x4 = 180           UPL species         20 x5 = 100           Column Totals:         95 (A)         370 (B)           Prevalence Index = B/A = 3.89         Hydrophytic Vegetation Indicators:
Pinus strobus  Thuja occidentalis  Acer rubrum  Fraxinus americana  Acer saccharum  Acer negundo  Sapling/Shrub Stratum  Phamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	15 15 35 10	Yes Yes =Total Cover Yes Yes	FACU FACU FACU FACU FACU FACU FACU FACU	That Are OBL, FACW, or FAC:       2       (A)         Total Number of Dominant Species Across All Strata:       6       (B)         Percent of Dominant Species That Are OBL, FACW, or FAC:       33.3%       (A/E         Prevalence Index worksheet:         Total % Cover of:       Multiply by:         OBL species       0       x 1 =       0         FACW species       0       x 2 =       0         FAC species       30       x 3 =       90         FACU species       45       x 4 =       180         UPL species       20       x 5 =       100         Column Totals:       95       (A)       370       (E         Prevalence Index       = B/A =       3.89
Thuja occidentalis Acer rubrum  Fraxinus americana Acer saccharum Acer negundo  Sapling/Shrub Stratum (Plot size: 15 by 20' ) Rhamnus frangula Lonicera tatarica Fraxinus americana Prunus serotina Acer saccharum Lindera benzoin Rosa multiflora	15 15 35 10	Yes Yes =Total Cover Yes Yes	FACU FACU FACU FACU FACU FACU FACU FACU	That Are OBL, FACW, or FAC:       2       (A)         Total Number of Dominant Species Across All Strata:       6       (B)         Percent of Dominant Species That Are OBL, FACW, or FAC:       33.3%       (A/E         Prevalence Index worksheet:         Total % Cover of:       Multiply by:         OBL species       0       x 1 =       0         FACW species       0       x 2 =       0         FAC species       30       x 3 =       90         FACU species       45       x 4 =       180         UPL species       20       x 5 =       100         Column Totals:       95       (A)       370       (E         Prevalence Index       = B/A =       3.89
Acer rubrum  Fraxinus americana  Acer saccharum  Acer negundo  Sapling/Shrub Stratum (Plot size: 15 by 20' )  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	15 15 35 10	Yes Yes =Total Cover Yes Yes	FACUFACUFACUFACUFACUFACUFACW	Species Across All Strata:         6         (B)           Percent of Dominant Species That Are OBL, FACW, or FAC:         33.3%         (A/E           Prevalence Index worksheet:           Total % Cover of:         Multiply by:           OBL species         0         x 1 =         0           FACW species         0         x 2 =         0           FAC species         30         x 3 =         90           FACU species         45         x 4 =         180           UPL species         20         x 5 =         100           Column Totals:         95         (A)         370         (E           Prevalence Index         = B/A =         3.89
Sapling/Shrub Stratum (Plot size: 15 by 20')  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	15 15 35 10	Yes Yes =Total Cover Yes Yes	FACU FAC FACU FACU FACU FACU FACU FACU F	Species Across All Strata:         6         (B)           Percent of Dominant Species That Are OBL, FACW, or FAC:         33.3%         (A/E           Prevalence Index worksheet:           Total % Cover of:         Multiply by:           OBL species         0         x 1 =         0           FACW species         0         x 2 =         0           FAC species         30         x 3 =         90           FACU species         45         x 4 =         180           UPL species         20         x 5 =         100           Column Totals:         95         (A)         370         (E           Prevalence Index         = B/A =         3.89
Acer saccharum  Acer negundo  Sapling/Shrub Stratum (Plot size: 15 by 20' )  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	15 35 10	Yes =Total Cover Yes Yes	FACU FACU FACU FACU FACU FACU FACU FACU	That Are OBL, FACW, or FAC:         33.3%         (A/E           Prevalence Index worksheet:           Total % Cover of:         Multiply by:           OBL species         0         x 1 = 0           FACW species         0         x 2 = 0           FAC species         30         x 3 = 90           FACU species         45         x 4 = 180           UPL species         20         x 5 = 100           Column Totals:         95         (A)         370         (E           Prevalence Index         B/A = 3.89
Sapling/Shrub Stratum (Plot size: 15 by 20' )  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	35 10 10	=Total Cover  Yes  Yes	FAC FACU FACU FACU FACU FACU FACU	That Are OBL, FACW, or FAC:         33.3%         (A/E           Prevalence Index worksheet:           Total % Cover of:         Multiply by:           OBL species         0         x 1 = 0           FACW species         0         x 2 = 0           FAC species         30         x 3 = 90           FACU species         45         x 4 = 180           UPL species         20         x 5 = 100           Column Totals:         95         (A)         370         (E           Prevalence Index         B/A = 3.89
Sapling/Shrub Stratum (Plot size: 15 by 20')  Rhamnus frangula  Lonicera tatarica  Fraxinus americana  Prunus serotina  Acer saccharum  Lindera benzoin  Rosa multiflora	35 10 10	=Total Cover  Yes  Yes	FACU FACU FACU FACU FACU FACW	Total % Cover of:         Multiply by:           OBL species         0         x 1 =         0           FACW species         0         x 2 =         0           FAC species         30         x 3 =         90           FACU species         45         x 4 =         180           UPL species         20         x 5 =         100           Column Totals:         95         (A)         370         (E           Prevalence Index         = B/A =         3.89
Rhamnus frangula Lonicera tatarica  Fraxinus americana Prunus serotina Acer saccharum Lindera benzoin Rosa multiflora	10	Yes Yes	FACU FACU FACU FACU FACW	OBL species         0         x 1 =         0           FACW species         0         x 2 =         0           FAC species         30         x 3 =         90           FACU species         45         x 4 =         180           UPL species         20         x 5 =         100           Column Totals:         95         (A)         370         (E           Prevalence Index         = B/A =         3.89
Rhamnus frangula Lonicera tatarica  Fraxinus americana Prunus serotina Acer saccharum Lindera benzoin Rosa multiflora	10	Yes	FACU FACU FACU FACU FACW	FACW species       0       x 2 =       0         FAC species       30       x 3 =       90         FACU species       45       x 4 =       180         UPL species       20       x 5 =       100         Column Totals:       95       (A)       370       (E         Prevalence Index       = B/A =       3.89
2. Lonicera tatarica 3. Fraxinus americana 4. Prunus serotina 5. Acer saccharum 6. Lindera benzoin 7. Rosa multiflora	10	Yes	FACU FACU FACU FACU FACW	FAC species       30       x 3 =       90         FACU species       45       x 4 =       180         UPL species       20       x 5 =       100         Column Totals:       95       (A)       370       (E         Prevalence Index       = B/A =       3.89
3. Fraxinus americana 4. Prunus serotina 5. Acer saccharum 6. Lindera benzoin 7. Rosa multiflora			FACU FACU FACU FACW	FACU species 45 x 4 = 180  UPL species 20 x 5 = 100  Column Totals: 95 (A) 370 (E  Prevalence Index = B/A = 3.89
A. Prunus serotina  5. Acer saccharum  6. Lindera benzoin  7. Rosa multiflora			FACU FACU FACW	UPL species 20 x 5 = 100  Column Totals: 95 (A) 370 (E  Prevalence Index = B/A = 3.89
5. Acer saccharum 6. Lindera benzoin 7. Rosa multiflora	20	=Total Cover	FACU FACW	Column Totals: 95 (A) 370 (E
S. Lindera benzoin  Z. Rosa multiflora	20	=Total Cover	FACW	Prevalence Index = B/A = 3.89
7. Rosa multiflora	20	=Total Cover		
	20	=Total Cover	FACU	Hydrophytic Vegetation Indicators:
lerb Stratum (Plot size: 10 by 15' )	20	=Total Cover		
lerb Stratum (Plot size: 10 by 15' )				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Toxicodendron radicans	5	No	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Pteridium aquilinum			FACU	data in Remarks or on a separate sheet)
Cornus canadensis			FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Rubus allegheniensis	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
S. Solidago canadensis	15	Yes	FACU	be present, unless disturbed or problematic.
Artemisia vulgaris	15	Yes	UPL	Definitions of Vegetation Strata:
3. Trifolium repens			FACU	Tree – Woody plants 3 in. (7.6 cm) or more in
Dactyis glomerata			FACU	diameter at breast height (DBH), regardless of height
Parthenocissus quinquefolia			FACU	Sapling/shrub – Woody plants less than 3 in. DBH
1. Asclepias syriaca			FACU	and greater than or equal to 3.28 ft (1 m) tall.
2. Daucus carota			UPL	Herb – All herbaceous (non-woody) plants, regardles
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size:)				
. <u> </u>				<b>Woody vines</b> – All woody vines greater than 3.28 ft i height.
2.				
3.				Hydrophytic Vegetation
i.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separate :				

SOIL Sampling Point W1-Up-3

		o the de				tor or co	onfirm the absence of	f indicators.)		
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type <sup>1</sup>	Loc <sup>2</sup>	Texture	D	emarks	
0-6	10YR 3/4	100	Color (moist)		туре	LUC	Sandy		from rail line	
							Sandy			
6-12	10YR 3/3	100						sandy lo	am with gravel	
					· <u></u>					
	·									
	ncentration, D=Deple	etion, RN	1=Reduced Matrix, N	1S=Mas	ked Sand	l Grains.		L=Pore Lining, N		
Hydric Soil I			Daharahya Bala	0	(CO) (I	DD D		or Problematic I	-	<b>5</b> \
Histosol (	(A1) ipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (I	_KK K,		ck (A10) ( <b>LRR K</b> airie Redox (A16		
Black His			Thin Dark Surf	•	(LRR R.	MLRA 1		cky Peat or Peat		
	n Sulfide (A4)		High Chroma S				· —	e Below Surface		
	Layers (A5)		Loamy Mucky					k Surface (S9) (I		,
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Man	ganese Masses	(F12) ( <b>LRR K</b> ,	L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soil	s (F19) ( <b>MLRA</b>	149B)
	ucky Mineral (S1)		Redox Dark Su					oodic (TA6) ( <b>MLI</b>		<b>49B</b> )
	leyed Matrix (S4)		Depleted Dark					ent Material (F21	-	
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		0)			allow Dark Surfac xplain in Remark		
Dark Sur			Wan (i 10) (Lik	IX IX, L)			Other (E	Apiaiii iii iteiliaik	.3)	
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	vetland hydrology mu	ıst be pr	esent, ur	ıless dist	urbed or problematic.			
Restrictive L	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Presen	nt? Yes	No_>	Χ
Remarks:										

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/10/19						
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W2-Wet-1						
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Schuyler						
Landform (hillside, terrace, etc.): Local r	relief (concave, convex, none): none Slope %: 0-3						
Subregion (LRR or MLRA): LRR L Lat: 43.07523518	Long: -75.1207906 Datum: WGS 84						
Soil Map Unit Name: Palms Muck	NWI classification: PEM						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation , Soil X , or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrology naturally problemate							
SUMMARY OF FINDINGS – Attach site map showing samp							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
X Surface Water (A1) Water-Stained Leaves (B							
X High Water Table (A2) Aquatic Fauna (B13)							
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)							
Sediment Deposits (B2) Oxidized Rhizospheres o	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in							
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes X No Depth (inches):							
Water Table Present? Yes X No Depth (inches):	<del></del>						
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No						
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vieus inspections) if available.						
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, pre-	vious inspections), ii avaliable.						
Remarks:							
at northern edge of westernmost field near RR crossing, mowed ag field							

Francisco (Distriction 45   001	Absolute	Dominant	Indicator	Barriago Tantonado I
ree Stratum (Plot size: 15 by 30')	% Cover	Species?	Status	Dominance Test worksheet:
. Ulmus americana			FACW	Number of Dominant Species
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC:5 (A)
Fraxinus pennsylvanica			FACW	Total Number of Dominant
. Salix alba			FACW	Species Across All Strata: 5 (B)
Acer rubrum			FAC	Percent of Dominant Species
Acer saccharinum			FACW	That Are OBL, FACW, or FAC: 100.0% (A/B
7. Alnus glutinosa			FACW	Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species x 1 =
. Cornus sericea			FACW	FACW species x 2 =
Acer rubrum			FAC	FAC species x 3 =
Fraxinus pennsylvanica			FACW	FACU species x 4 =
Lonicera tatarica			FACU	UPL species x 5 =
5				Column Totals: (A) (B
i				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15')				X 2 - Dominance Test is >50%
. Lythrum salicaria	20	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
Polygonum sagittatum			OBL	data in Remarks or on a separate sheet)
Onoclea sensibilis		· <u></u>	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
. Typha angustifolia	25	Yes	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
5. Impatiens capensis			FACW	be present, unless disturbed or problematic.
. Urica dioica			FAC	Definitions of Vegetation Strata:
3. Geranium bicknellii	15	Yes	FACW	Tara Maada planta 2 in 77 Carra an maara in
). Iris versicolor			FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
0. Equisetum arvense	15	Yes	FACW	
Eupatorium perfoliatum			FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2. Juncus effusus	5	No	OBL	, , ,
	95	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: )				
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				Holghi
3.				Hydrophytic
4.	-			Vegetation Present? Yes X No
·		Tatal Oassa		rieseitt: ies 🔨 No
		=Total Cover		

SOIL Sampling Point W2-Wet-1

Profile Desc Depth	ription: (Describe t Matrix	to the de	•	<b>ument th</b> x Featur		ator or c	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 3/1	100					Mucky Loam/Clay	
0-10	10110 3/1	100					Mucky Loani/Clay	
								_
								_
								<del></del>
	oncentration, D=Depl	etion, RM	1=Reduced Matrix, M	IS=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil			5 5.		(00) (			or Problematic Hydric Soils <sup>3</sup> :
Histosol	, ,		Polyvalue Belo		ce (S8) (	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B	•	\	MIDA		rairie Redox (A16) (LRR K, L, R)
Black Hi	n Sulfide (A4)		Thin Dark Surfa					ucky Peat or Peat (S3) (LRR K, L, R)
	I Layers (A5)		Loamy Mucky					rk Surface (S8) ( <b>LRR K, L</b> ) rk Surface (S9) ( <b>LRR K, L</b> )
	l Layers (A3) I Below Dark Surface	(Δ11)	Loamy Gleyed			K K, L)		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(A11)	Depleted Matrix		12)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		·6)			podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark	,	,			ent Material (F21)
	edox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		,			explain in Remarks)
	face (S7)			. ,				,
<sup>3</sup> Indicators of	f hydrophytic vegetati	ion and w	etland hydrology mι	ıst be pr	resent, ui	nless dis	turbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
The wetland	is located within a red	cently tille	ed agricultural field a	nd 100	year floo	dplain of	Mohawk River. It is ev	vident that the A/B horizons have been
								m for the entire test pit ~16-18-inches.
	SDA soil series listing i practices cease	of Palm	Muck, the hydrology	and ve	getation	indicators	s, one can presume ad	lditional hydric soil indicators to form
once ranning	practices cease							

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/10/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W2-Up-1
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): none Local	relief (concave, convex, none): Slope %: 0-3
	Long: -75.1203637 Datum: WGS 84
Soil Map Unit Name: Palms muck (Pk)	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
• •	
Are Vegetation, SoilX, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Tromano. (Explain alternative procedures note of in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (E	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Oxidized Rhizospheres of	
Presence of Reduced Iro	
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5)  Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	<u> </u>
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
gaage, memoring nen, aenar proces, pro	
Remarks:	
within north edge of westernmost ag field	

Tree Otractions (Distraction 45 los 00)	Absolute	Dominant	Indicator	Barriera Tarturada bart		
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:		
1. Prunus serotina			FACU	Number of Dominant Species		
2. Pinus strobus			FACU	That Are OBL, FACW, or FAC:0 (A)		
3. Thuja occidentalis			FACU	Total Number of Dominant		
4. Acer rubrum			FAC	Species Across All Strata: 3 (B)		
5. Fraxinus americana			FACU	Percent of Dominant Species		
6. Acer saccharum			FACU	That Are OBL, FACW, or FAC:(A/B)		
7. Acer negundo			FAC	Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species0 x 1 =0		
1. Rhamnus frangula			FAC	FACW species 0 x 2 = 0		
2. Lonicera tatarica			FACU	FAC species10 x 3 =30		
3. Fraxinus americana			FACU	FACU species 50 x 4 = 200		
4. Prunus serotina			FACU	UPL species15 x 5 =75		
5. Acer saccharum			FACU	Column Totals: 75 (A) 305 (B)		
6. Lindera benzoin			FACW	Prevalence Index = B/A = 4.07		
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 10 by 15')		•		2 - Dominance Test is >50%		
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Plantago major	15	Yes	FACU	data in Remarks or on a separate sheet)		
4. Phalaris arundinacea	10	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Rubus allegheniensis			FACU	<del>-</del>		
6. Solidago canadensis	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Artemisia vulgaris	15	Yes	UPL	Definitions of Vegetation Strata:		
8. Trifolium repens	25	Yes	FACU	_		
9. Dactyis glomerata	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
Parthenocissus quinquefolia			FACU			
11. Asclepias syriaca			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12. Daucus carota			UPL	and greater than or equal to 3.20 it (1 iii) tall.		
12. Daucus carola	75	=Total Cover	OFL	Herb – All herbaceous (non-woody) plants, regardless		
Was da Visa Otrataga (Distrataga	75	- Fotal Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:)				<b>Woody vines</b> – All woody vines greater than 3.28 ft in		
1.				height.		
2.				Hydrophytic		
3.				Vegetation		
4				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separate or	rate sheet.)					

Sampling Point:

W2-Up-1

SOIL Sampling Point W2-Up-1

		o the de				tor or co	onfirm the absence of indic	ators.)	
Depth	Matrix	0/		K Featur		1 - 2	T.,, 4	D	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-8	10YR 2/1	100					Sandy		
8-12	10YR 3/2	100							
							·		
					·				
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM	l=Reduced Matrix, M	1S=Mas	ked Sand	l Grains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matrix.	
Hydric Soil II								lematic Hydric Soils	
Histosol (	` '		Polyvalue Belo		ce (S8) ( <b>I</b>	RR R,		O) (LRR K, L, MLRA	-
	ipedon (A2)		MLRA 149B	•	. /I DD D	MIDA		edox (A16) ( <b>LRR K, L</b>	-
Black His	stic (A3) n Sulfide (A4)		Thin Dark Surfa					at or Peat (S3) (LRR	
	Layers (A5)		Loamy Mucky					v Surface (S8) (LRR ice (S9) (LRR K, L)	N, L)
	Below Dark Surface	(A11)	Loamy Gleyed			<b>、                                    </b>		e Masses (F12) ( <b>LRR</b>	K. L. R)
	rk Surface (A12)	(, , , ,	Depleted Matri		/			lplain Soils (F19) ( <b>ML</b>	
	ucky Mineral (S1)		Redox Dark Su		·6)			ΓΑ6) ( <b>MLRA 144A, 1</b> 4	-
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma	erial (F21)	
	edox (S5)		Redox Depress		8)			ark Surface (F22)	
	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R K</b> , <b>L</b> )			Other (Explain	n Remarks)	
? Dark Surf	face (S7)								
3Indicators of	hydrophytic yogotati	on and w	votland bydrology my	iet ha ni	ocont ur	aloce diet	urbed or problematic.		
	ayer (if observed):	JII allu w	eliand hydrology mic	ist be bi	esent, ui	iless uist	urbed or problematic.		
Type:	ayo. ( oboo. rou).								
_	ches):						Hydric Soil Present?	Yes No	<b>)</b>
Remarks:							.,		
Remarks.									
tilled farm fiel	d								

Project/Site: Mohawk SA	City/County: He	rkimer	Sampling Date: 10/10/19		
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W3-Wet-1		
Investigator(s): Colin Diehl/Travis Money	Section	, Township, Range: Schuyle	er		
Landform (hillside, terrace, etc.):	Local relief (concave, c	onvex, none): concave	Slope %: 0-3		
Subregion (LRR or MLRA): LRR L	Lat: 43.07540048 Lo	ong: -75.12036373	Datum: WGS 84		
Soil Map Unit Name: cut and fill land (CU)		NWI classification:	: PSS		
Are climatic / hydrologic conditions on the site typic	al for this time of year? Yes	X No (If no,	explain in Remarks.)		
Are Vegetation, Soil, or Hydrology		Normal Circumstances" pres	,		
Are Vegetation, Soil, or Hydrology		eded, explain any answers in			
SUMMARY OF FINDINGS – Attach site		-	•		
Hydrophytic Vegetation Present? Yes	X No Is the Sample	od Aroa			
Hydric Soil Present? Yes	X No within a Wetl		No		
Wetland Hydrology Present? Yes	<del></del>	I Wetland Site ID:			
Remarks: (Explain alternative procedures here or	in a separate report.)				
HYDROLOGY					
		Canandam / Indicators /	minimum of two required)		
Wetland Hydrology Indicators:	oook all that apply)		minimum of two required)		
Primary Indicators (minimum of one is required; ch X Surface Water (A1) X	Water-Stained Leaves (B9)		Surface Soil Cracks (B6) Drainage Patterns (B10)		
<del></del> -	Aquatic Fauna (B13)	X Moss Trim Lines (I			
<del></del> -	Marl Deposits (B15)	Dry-Season Water	•		
<del></del> -	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (			
<del></del> -	Oxidized Rhizospheres on Living Roots (C		on Aerial Imagery (C9)		
<del></del> -	Presence of Reduced Iron (C4)	Stunted or Stresse			
<u> </u>	Recent Iron Reduction in Tilled Soils (C6)				
<u> </u>		Shallow Aquitard (			
<u> </u>	Thin Muck Surface (C7)		,		
I ——	Other (Explain in Remarks)	Microtopographic F	` '		
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test	(D5)		
Field Observations:					
Surface Water Present? Yes X No					
	Depth (inches):				
Saturation Present? Yes No	Depth (inches): We	etland Hydrology Present?	Yes X No		
(includes capillary fringe)		<del> </del>			
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections	), if available:			
Remarks:					
within scrub shrub depression/drainageway at nort	nern eage of westernmost field				

<b>EGETATION</b> – Use scientific names of pla	.IIIS.			Sampling Point: W3-Wet-1
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana		_	FACW	Number of Dominant Species
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC: 8 (A)
3. Fraxinus pennsylvanica			FACW	Total Number of Dominant
4. Salix alba	20	Yes	FACW	Species Across All Strata: 8 (B)
5. Acer rubrum			FAC	Percent of Dominant Species
6. Acer saccharinum			FACW	That Are OBL, FACW, or FAC: 100.0% (A/B)
7. Alnus glutinosa	5	Yes	FACW	Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20' )				OBL species x 1 =
1. Cornus sericea	20	Yes	FACW	FACW species x 2 =
2. Acer rubrum			FAC	FAC species x 3 =
3. Fraxinus pennsylvanica	20	Yes	FACW	FACU species x 4 =
4. Lonicera tatarica			FACU	UPL species x 5 =
5. Salix alba	15	Yes	FACW	Column Totals: (A) (B)
6. Alnus glutinosa	15	Yes	FACW	Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%
1. Lythrum salicaria			OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Polygonum sagittatum			OBL	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Typha angustifolia			OBL	<u> </u>
6. Impatiens capensis	15	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Urica dioica			FAC	Definitions of Vegetation Strata:
8. Geranium bicknellii	5	No	FACW	
9. Iris versicolor			FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. Equisetum arvense	15	Yes	FACW	
11. Eupatorium perfoliatum			FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12. Juncus effusus			OBL	
	40	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )				
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				Togra.
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		135 <u>7.</u>
	rate sheet.)			

SOIL Sampling Point W3-Wet-1

		o the de				ator or co	onfirm the absence of indi	cators.)	
Depth	Matrix	0/		x Featur		12	Tarakuma	Damanika	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-2	10YR 2/2	100							
2-14	10YR 4/1	95	10YR 3/4	5	С	М	Loamy/Clayey	silty clay loam	
						·			
								_	
<sup>1</sup> Type: C=C	oncentration, D=Deple	ation RN	1-Reduced Matrix M		ked Sand	d Graine	<sup>2</sup> Location: PL =Po	re Lining, M=Matrix.	
Hydric Soil	•	Buon, IXI	/i-iteduced Matrix, iv	IO-IVIAS	Keu San	J Glailis.		oblematic Hydric Soils <sup>3</sup> :	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (	LRR R.		.10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B		() (	<b>,</b>		Redox (A16) ( <b>LRR K, L, R</b> )	
	stic (A3)		Thin Dark Surfa		(LRR R	, MLRA 1			
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LR</b> I	R K, L)	Polyvalue Bel	ow Surface (S8) ( <b>LRR K, L</b> )	
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LR</b>	R K, L)	Thin Dark Sur	face (S9) ( <b>LRR K, L</b> )	
Depleted	d Below Dark Surface	(A11)	X Loamy Gleyed	Matrix (	F2)		Iron-Mangane	ese Masses (F12) ( <b>LRR K, L, R</b> )	
	ark Surface (A12)		X Depleted Matrix					odplain Soils (F19) ( <b>MLRA 149B</b> )	
	lucky Mineral (S1)		Redox Dark Su		-			(TA6) ( <b>MLRA 144A, 145, 149B</b> )	
	Gleyed Matrix (S4)		Depleted Dark				Red Parent M		
	Redox (S5)		Redox Depress		8)			Dark Surface (F22)	
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Explain	n in Remarks)	
Dark Su	rface (S7)								
<sup>3</sup> Indicators o	f hydrophytic vegetati	on and v	vetland hvdrologv mu	ıst be pı	resent. ui	nless dist	urbed or problematic.		
	Layer (if observed):			р.			and a problemato.		
Type:	,								
Depth (ir	nches):						Hydric Soil Present?	Yes X No	
Remarks:									
	m is revised from Nor	thcentra	l and Northeast Regi	onal Su	pplemen	t Version	2.0 to include the NRCS Fi	eld Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/10/19			
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W3-Up-1			
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	of Schuyler			
Landform (hillside, terrace, etc.): none	Local relief (concave, convex, none): Slope %					
Subregion (LRR or MLRA): LRR L	Lat: 43.0753701	Long: -75.12043717	Datum: WGS 84			
Soil Map Unit Name: Palms muck (Pk)		NWI classification:				
Are climatic / hydrologic conditions on the site typic	tal for this time of year?		explain in Remarks.)			
Are Vegetation, SoilX_, or Hydrology	·	Are "Normal Circumstances" pres				
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in				
SUMMARY OF FINDINGS – Attach site			•			
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area				
Hydric Soil Present? Yes		Wetland? Yes	No X			
Wetland Hydrology Present? Yes		otional Wetland Site ID:	<u></u>			
Remarks: (Explain alternative procedures here or	in a separate report.)					
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)			
Primary Indicators (minimum of one is required; cl	neck all that apply)	Surface Soil Crack	Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (	B16)			
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	r Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	·			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	· · ·				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic l				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)			
Field Observations:						
Surface Water Present? Yes No	X Depth (inches):					
Water Table Present? Yes No	X Depth (inches):					
<del></del>	X Depth (inches):	Wetland Hydrology Present?	Yes No _X			
(includes capillary fringe)		L				
Describe Recorded Data (stream gauge, monitorin	ng well, aerial photos, previous inspe	ctions), if available:				
Remarks: within north edge of westernmost ag field, just sou	ith of Wetland W3					

<b>'EGETATION</b> – Use scientific names of pla	ants.			Sampling Point:	W3-Up-1	
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Prunus serotina			FACU	Number of Dominant Species		
2. Pinus strobus			FACU	That Are OBL, FACW, or FAC:	0 (A)	
3. Thuja occidentalis			FACU	Total Number of Dominant		
4. Acer rubrum			FAC	Species Across All Strata:	4 (B)	
5. Fraxinus americana			FACU	Percent of Dominant Species		
6. Acer saccharum			FACU	That Are OBL, FACW, or FAC:	0.0% (A/B)	
7. Acer negundo			FAC	Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: M	ultiply by:	
Sapling/Shrub Stratum (Plot size: 15 by 20' )				OBL species 0 x 1 =	0	
1. Rhamnus frangula			FAC	FACW species 0 x 2 =	0	
2. Lonicera tatarica			FACU	FAC species 0 x 3 =	0	
3. Fraxinus americana	10	Yes	FACU	FACU species 75 x 4 =	300	
4. Prunus serotina			FACU	UPL species 5 x 5 =	25	
5. Acer saccharum			FACU	Column Totals: 80 (A)	325 (B)	
6. Lindera benzoin			FACW	Prevalence Index = B/A =	4.06	
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:		
	10	=Total Cover		1 - Rapid Test for Hydrophytic Ve	egetation	
Herb Stratum (Plot size: 10 by 15' )		'		2 - Dominance Test is >50%		
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportir data in Remarks or on a separate sheet)		
3. Plantago major	20	Yes	FACU			
4. Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetat	ion <sup>1</sup> (Explain)	
5. Rubus allegheniensis			FACU	Indicators of budgie sail and watland	budrala au muat	
6. Solidago canadensis	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or proble		
7. Artemisia vulgaris	5	No	UPL	Definitions of Vegetation Strata:		
8. Trifolium repens	20	Yes	FACU	Tree (Moody plants 2 in (7.6 am) as	r maara in	
9. Dactyis glomerata	5	No	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or diameter at breast height (DBH), regard		
10. Parthenocissus quinquefolia			FACU			
11. Taraxacum officinale	15	Yes	FACU	Sapling/shrub – Woody plants less to and greater than or equal to 3.28 ft (1)		
12. Daucus carota			UPL		,	
	70	=Total Cover		Herb – All herbaceous (non-woody) p of size, and woody plants less than 3.		
Woody Vine Stratum (Plot size: )		,				
1		. <u></u>		<b>Woody vines</b> – All woody vines grea height.	ter than 3.28 ft in	
2				Hydrophytic		
3.				Vegetation		
4				_	<u>X</u>	
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			I		

SOIL Sampling Point W3-Up-1

		o the de				tor or co	onfirm the absence of in	ndicators.)	
Depth (inches)	Matrix	%		x Featur		Loc <sup>2</sup>	Taxtura	Domo	rko
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Rema	rks
0-6	10YR 3/1	100							
6-14	10YR 3/2	100						sandy dry	/ loam
	<del></del>								
1							2		
	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		Pore Lining, M=Ma	
Hydric Soil II Histosol (			Polyvalue Belo	w Surfa	ce (S8) (I	DD D		Problematic Hydr (A10) (LRR K, L,	
	ipedon (A2)		MLRA 149B		ce (50) (i	LIXIX IX,		ie Redox (A16) ( <b>Ll</b>	•
Black His			Thin Dark Surf	•	) (LRR R	MLRA 1		y Peat or Peat (S3	•
	n Sulfide (A4)		High Chroma S					Below Surface (S8)	
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b> F	R K, L)	Thin Dark S	Surface (S9) ( <b>LRR</b>	K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manga	inese Masses (F12	2) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					loodplain Soils (F	
	ucky Mineral (S1)		Redox Dark Su					dic (TA6) ( <b>MLRA 1</b>	44A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					: Material (F21) ow Dark Surface (F	22)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		0)			ain in Remarks)	22)
Dark Sur	` '			, =/				air iir rtorranto,	
	,								
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.		
	.ayer (if observed):								
Type:									
Depth (in	ches):						Hydric Soil Present?	Yes	No
Remarks:							-		
tilled farm fiel	ld/odgo								
ulleu laitti ilei	u/euge								

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/10/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W3-Wet-2
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Schuyler
Landform (hillside, terrace, etc.): drainageway Loc	cal relief (concave, convex, none): concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.07216505	Long: -75.12294376 Datum: WGS 84
Soil Map Unit Name: Teel Silt Loam (TS)	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dis	
Are Vegetation, Soil, or Hydrology naturally proble	<del></del>
	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present?  Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leave	s (B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	X Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
X Water Marks (B1) Hydrogen Sulfide Odd	or (C1) Crayfish Burrows (C8)
	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4)  Recent Iron Reductio	
Iron Deposits (B5) Thin Muck Surface (C	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inche	
Water Table Present? Yes X No Depth (inche	
Saturation Present? Yes X No Depth (inche (includes capillary fringe)	es): Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
gaage, memoring neri, acrai proces,	p. 5.1.555 6.151 6.151 6.151 6.151 6.151 6.151 6.151 6.151 6.151 6.151 6.151
Remarks:	
within forested linear wetland/drainageway within southern edge of hedg	jerow, just north of Mohawk River

<b>EGETATION</b> – Use scientific names of pla	nis.	: <u>W3-Wet-2</u>			
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover		Indicator Status	Dominance Test worksheet:	
1. Ulmus americana	25	Yes	FACW	Number of Dominant Species	
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC:	6 (A)
3. Fraxinus pennsylvanica	20	Yes	FACW	Total Number of Dominant	
1. Salix alba	20	Yes	FACW	Species Across All Strata:	6 (B)
5. Acer rubrum			FAC	Percent of Dominant Species	
6. Acer saccharinum			FACW	That Are OBL, FACW, or FAC:	100.0% (A/B)
7. Alnus glutinosa	5	No	FACW	Prevalence Index worksheet:	<del></del>
<del></del>	70	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20' )		,		OBL species x 1 =	=
1. Cornus sericea	5	Yes	FACW	FACW species x 2 =	<u> </u>
2. Acer rubrum		, <u> </u>	FAC	FAC species x 3 =	<u> </u>
3. Fraxinus pennsylvanica			FACW	FACU species x 4 =	=
4. Lonicera tatarica			FACU	UPL species x 5 =	=
5. Salix alba			FACW	Column Totals: (A)	(B)
6. Alnus glutinosa			FACW	Prevalence Index = B/A =	
7.				Hydrophytic Vegetation Indicators	s:
	5	=Total Cover		1 - Rapid Test for Hydrophytic V	/egetation
Herb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%	-
1. Lythrum salicaria			OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (	(Provide supporting
3. Polygonum sagittatum			OBL	data in Remarks or on a sepa	
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegeta	ation <sup>1</sup> (Explain)
5. Typha angustifolia			OBL	1.	
6. Impatiens capensis	25	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or prob	
7. Urica dioica			FAC	Definitions of Vegetation Strata:	<u>;</u>
8. Geranium bicknellii			FACW		4
9. Iris versicolor		•	FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) of diameter at breast height (DBH), reg	
10. Equisetum arvense	20	Yes	FACW		-
11. Eupatorium perfoliatum			FACW	Sapling/shrub – Woody plants less and greater than or equal to 3.28 ft (	
12. Toxicodendron radicans	10	No	FAC		,
		=Total Cover		<b>Herb</b> – All herbaceous (non-woody) of size, and woody plants less than	
Woody Vine Stratum (Plot size: )					
1.				<b>Woody vines</b> – All woody vines gre height.	ater than 3.28 ft ii
				Tolgrit.	
3.	-	•		Hydrophytic	
4.		. ——		Vegetation Present? Yes X	0
+		=Total Cover		riesent: 165 /	<u> </u>
		= 10(8) 0006			

SOIL Sampling Point W3-Wet-2

Profile Descripe Depth	ription: (Describe to Matrix	the de	-	i <mark>ment t</mark> l c Featur		ator or co	confirm the absence of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	
0-6	10YR 3/1	95	10YR 3/4	5	C	PL	Loamy/Clayey Distinct redox concentrations	_
6-18	10YR 4/2	90	10YR 3/4	10	С	М	Loamy/Clayey	
							<del></del>	
								_
								—
	ncentration, D=Deple	tion, RN	M=Reduced Matrix, M	IS=Mas	ked San	d Grains.		
Hydric Soil In			Daharahaa Daha		(00) (		Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol (	(A1) ipedon (A2)		Polyvalue Belo		ce (58) (	LKK K,	2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B</b> ) Coast Prairie Redox (A16) ( <b>LRR K, L, R</b> )	
Black His			Thin Dark Surfa		) (LRR R	. MLRA 1		<b>?</b> )
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)	.,
	Layers (A5)		Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	X Loamy Gleyed			, ,	Iron-Manganese Masses (F12) ( <b>LRR K, L, F</b>	<b>२</b> )
	rk Surface (A12)	,	X Depleted Matrix		. ,		Piedmont Floodplain Soils (F19) (MLRA 149	-
	ucky Mineral (S1)		Redox Dark Su		<del>-</del> 6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149	-
	eyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)	,
Sandy Re	edox (S5)		Redox Depress	ions (F	8)		Very Shallow Dark Surface (F22)	
Stripped I	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in Remarks)	
Dark Surf	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetation	on and v	vetland hydrology mu	ıst be nı	resent u	nless dist	turbed or problematic.	
	ayer (if observed):	orr arra v	voliding hydrology inc	ot bo pi	occirit, di	mood diot	Total or problematic.	
Type:								
Depth (in	ches):						Hydric Soil Present? Yes X No	
Remarks:								
	n is revised from Nor 2015 Errata. (http://w						n 2.0 to include the NRCS Field Indicators of Hydric Soils,	
version 7.0, 2	2015 Eliata. (IIIIp.//wi	ww.iiics	.usua.gov/internet/13	DUC	JOIVILINI	3/11/05 14	+zpz_031293.d0cx)	

Project/Site: Mohawk SA	City/County	y: Herkimer	Sampling Date: 10/10/19				
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W3-Up-2				
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	of Schuyler				
Landform (hillside, terrace, etc.): none		ive, convex, none):	Slope %: 0-3				
Subregion (LRR or MLRA): LRR L	Lat: 43.07213498	Long: -75.12309896	Datum: WGS 84				
Soil Map Unit Name: Teel Silt Loam (TS)		NWI classification:					
Are climatic / hydrologic conditions on the site typic	ral for this time of year?		explain in Remarks.)				
Are Vegetation, Soil, or Hydrology	·	Are "Normal Circumstances" pres					
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in					
SUMMARY OF FINDINGS – Attach site			•				
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area					
Hydric Soil Present? Yes		Wetland? Yes	No X				
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:					
HYDROLOGY							
Wetland Hydrology Indicators:		<del></del>	minimum of two required)				
Primary Indicators (minimum of one is required; cl		Surface Soil Crack	, ,				
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (I	•				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	·				
Algal Mat or Crust (B4)		cent Iron Reduction in Tilled Soils (C6)  Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic I					
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)				
Field Observations:							
	X Depth (inches):						
Water Table Present? Yes No	' ` '						
	X Depth (inches):	Wetland Hydrology Present?	Yes No _X				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitorii	ng well, aerial photos, previous inspec	ctions), if available:					
Damanda							
Remarks: southeast corner of westernmost ag field							
Southeast comer or westerninost ag neid							

ree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant	Indicator		
D	70 COVE	Species?	Status	Dominance Test worksheet:	
Prunus serotina			FACU	Number of Dominant Species	
. Pinus strobus			FACU	That Are OBL, FACW, or FAC: 0	(A)
. Thuja occidentalis			FACU	Total Number of Dominant	-
. Acer rubrum		· <del>-</del>	FAC	Species Across All Strata: 1	(B)
. Fraxinus americana		· <del></del>	FACU	Percent of Dominant Species	-
. Acer saccharum		· —	FACU	That Are OBL, FACW, or FAC: 0.0%	(A/B)
. Acer negundo		· <del></del>	FAC	Prevalence Index worksheet:	
		=Total Cover		Total % Cover of: Multiply by:	
apling/Shrub Stratum (Plot size: 15 by 20' )	<del>-</del>	•		OBL species 0 x 1 = 0	
Rhamnus frangula		<u> </u>	FAC	FACW species 0 x 2 = 0	
Lonicera tatarica		·	FACU	FAC species 0 x 3 = 0	_
Fraxinus americana			FACU	FACU species 45 x 4 = 180	_
Prunus serotina		· ———	FACU	UPL species 50 x 5 = 250	_
. Acer saccharum			FACU	Column Totals: 95 (A) 430	(B)
Lindera benzoin			FACW	Prevalence Index = B/A = 4.53	_
Rosa multiflora		· ——	FACU	Hydrophytic Vegetation Indicators:	
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
lerb Stratum (Plot size: 10 by 15' )		•		2 - Dominance Test is >50%	
. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide sup	portinç
Plantago major	10	No	FACU	data in Remarks or on a separate sheet)	
Phalaris arundinacea		,	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	ain)
Rubus allegheniensis		<u>,                                      </u>	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology i	
Solidago canadensis	15	No	FACU	be present, unless disturbed or problematic.	Illuət
Artemisia vulgaris	50	Yes	UPL	Definitions of Vegetation Strata:	
. Trifolium repens	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in	
Dactyis glomerata		·	FACU	diameter at breast height (DBH), regardless of h	neight.
0. Parthenocissus quinquefolia			FACU	Sapling/shrub – Woody plants less than 3 in. D	חםר
Taraxacum officinale	15	No	FACU	and greater than or equal to 3.28 ft (1 m) tall.	ווטל
2. Daucus carota		·	UPL	<b>Herb</b> – All herbaceous (non-woody) plants, rega	ardlace
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.	lluitss
Voody Vine Stratum (Plot size: )		•		Woody vines – All woody vines greater than 3.2	20 ft in
·				height.	20 11 111
				Hydrophytic	
				Vegetation           Present?         Yes         No _ X	
	-	=Total Cover			
	arate sheet.)				

SOIL Sampling Point W3-Up-2

Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-8	7.5YR 3/1	100						dark silt loa	ım
8-14	10YR 3/2	100							
					<u> </u>	· <u> </u>			
<sup>1</sup> Type: C=C	oncentration, D=Depl	etion, RM	i=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix	Χ.
Hydric Soil	Indicators:							Problematic Hydric	
Histosol			Polyvalue Belo		ce (S8) (	LRR R,		(A10) ( <b>LRR K, L, ML</b>	-
	pipedon (A2)		MLRA 149B	•	\			ie Redox (A16) (LRR	•
	istic (A3) en Sulfide (A4)		Thin Dark Surfa					/ Peat or Peat (S3) ( <b>I</b> Selow Surface (S8) ( <b>L</b>	
	d Layers (A5)		Loamy Mucky					Surface (S9) ( <b>LRR K</b> ,	-
	d Below Dark Surface	(A11)	Loamy Gleyed			( ix, =)		nese Masses (F12) (	•
	ark Surface (A12)	,	Depleted Matri		,			loodplain Soils (F19)	-
Sandy M	/lucky Mineral (S1)		Redox Dark Su	ırface (F	<sup>-</sup> 6)		Mesic Spoo	lic (TA6) ( <b>MLRA 144</b>	A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark				Red Parent	Material (F21)	
	Redox (S5)		Redox Depress	•	8)			w Dark Surface (F22	)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R</b> K, L)			Other (Expl	ain in Remarks)	
Dark Su	rface (S7)								
<sup>3</sup> Indicators o	of hydrophytic vegetati	ion and w	etland hydrology mu	ust be pr	resent ui	nless dist	urbed or problematic.		
	Layer (if observed):		onana nyaronogy ma	до р.			and an production and		
Type:	,								
Depth (ii	nches):						Hydric Soil Present?	Yes	No X
Remarks:									
tilled field ed	lge								

Project/Site: Mohawk SA	City/County: Herl	imer	Sampling Date: 10/10/19	
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W3-Wet-3	
Investigator(s): Colin Diehl/Travis Money	Section,	Township, Range: Town of	f Schuyler	
Landform (hillside, terrace, etc.):	Local relief (concave, co	nvex, none): none	Slope %: 0-3	
Subregion (LRR or MLRA): LRR L	Lat: 43.07427307 Loi	ng: -75.12143114	Datum: WGS 84	
Soil Map Unit Name: Teel Silt Loam (TS)		NWI classification:	PEM	
Are climatic / hydrologic conditions on the site typica	Il for this time of year?		explain in Remarks.)	
Are Vegetation, SoilX, or Hydrology		ormal Circumstances" pres		
Are Vegetation, Soil, or Hydrology		ded, explain any answers in		
SUMMARY OF FINDINGS – Attach site r			•	
Hydrophytic Vegetation Present? Yes	X No Is the Sample	Λιος		
Hydric Soil Present? Yes	X No within a Wetla		No	
Wetland Hydrology Present? Yes	<del></del>	Wetland Site ID:		
Remarks: (Explain alternative procedures here or in	та зорагате героп.)			
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary Indicators (	(minimum of two required)	
Primary Indicators (minimum of one is required; che	eck all that apply)	Surface Soil Crack	(s (B6)	
<del></del> -	Nater-Stained Leaves (B9)	Drainage Patterns		
<del></del> -	Aquatic Fauna (B13)	Moss Trim Lines (I	·	
<del></del> -	Marl Deposits (B15)	Dry-Season Water		
<del></del> -	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (		
<u> </u>	Oxidized Rhizospheres on Living Roots (C	· —	on Aerial Imagery (C9)	
<u> </u>	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Stunted or Stresse	· ·	
<u> </u>	Thin Muck Surface (C7)	Geomorphic Position (D2) Shallow Aquitard (D3)		
<u> </u>	Other (Explain in Remarks)	Microtopographic I	•	
Sparsely Vegetated Concave Surface (B8)	otter (Explain in Nemarks)	X FAC-Neutral Test		
Field Observations:		A I AO-Neutral Test	(50)	
	Donth (inches): 1			
Surface Water Present? Yes X No Water Table Present? Yes X No	Depth (inches): 1 Depth (inches):			
Saturation Present? Yes X No		land Hydrology Present?	Yes X No	
(includes capillary fringe)	Deptit (inches).	and Hydrology Fresent:	163 <u>X</u> 110	
Describe Recorded Data (stream gauge, monitoring	well aerial photos previous inspections)	if available		
Later (en sam gauge, mennem)	,, a p, p			
Remarks:				
along eastern edge of westernmost ag field that had	d been recently mowed.			

	Absolute	Dominant	Indicator			
ree Stratum (Plot size: 15 by 30')	% Cover	Species?	Status	Dominance Test worksheet:		
. Ulmus americana			FACW	Number of Dominant Species		
Ostrya virginiana			FACU	That Are OBL, FACW, or FAC: 2 (A)		
Fraxinus pennsylvanica			FACW	Total Number of Dominant		
Salix alba			FACW	Species Across All Strata: 2 (B)		
. Acer rubrum			FAC	Percent of Dominant Species		
Acer saccharinum			FACW	That Are OBL, FACW, or FAC: 100.0% (A/I		
Alnus glutinosa			FACW	Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15 by 20')				OBL species x 1 =		
. Cornus sericea			FACW	FACW species x 2 =		
. Acer rubrum		'	FAC	FAC species x 3 =		
Fraxinus pennsylvanica			FACW	FACU species x 4 =		
Lonicera tatarica			FACU	UPL species x 5 =		
Salix alba			FACW	Column Totals: (A) (I		
Alnus glutinosa			FACW	Prevalence Index = B/A =		
· .				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%		
. Lythrum salicaria	20	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Phalaris arundinacea	15	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporti		
3. Carex spp.	10	No	FACW	data in Remarks or on a separate sheet)		
. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Typha angustifolia	30	Yes	OBL	<u> </u>		
6. Impatiens capensis			FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
. Urica dioica			FAC	Definitions of Vegetation Strata:		
Geranium bicknellii	10	No	FACW			
. Iris versicolor			FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh		
Equisetum arvense			FACW			
Eupatorium perfoliatum			FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
2. Toxicodendron radicans			FAC			
	85	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: )		rotal Covol				
(1 lot 3/26)				<b>Woody vines</b> – All woody vines greater than 3.28 ft height.		
				neight.		
				Hydrophytic		
3				Vegetation		
l				Present? Yes X No No		
		=Total Cover				

SOIL Sampling Point W3-Wet-3

Profile Desc Depth	ription: (Describe t Matrix	o the de		ı <b>ment th</b> c Featur		ator or co	onfirm the absence of	findicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	90	10YR 3/3	5	С	PL	Loamy/Clayey	Distinct redox concentrations
6-18	10YR 3/1	87	10YR 3/4	13	С	М	Loamy/Clayey	
6-18	10YR 3/1		10YR 3/4				Loamy/Clayey	
¹Type: C=Co	oncentration, D=Depl	etion RN		 IS=Masl	ked Sand		<sup>2</sup> I ocation: PI	L=Pore Lining, M=Matrix.
Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sui	(A1) pipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surface ark Surface (A12) lucky Mineral (S1) eleyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I X Loamy Gleyed X Depleted Matrix Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	ace (S9) ands (S dineral ( Matrix (I (F3) rface (F Surface sions (F R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Muc Coast Pri 5 cm Muc Polyvalue Thin Darl ? Iron-Man Piedmon Mesic Sp Red Pare Very Sha	or Problematic Hydric Soils <sup>3</sup> : ck (A10) (LRR K, L, MLRA 149B) airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, R) t Floodplain Soils (F19) (MLRA 149B) codic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) xplain in Remarks)
Type: Depth (ir	nches):						Hydric Soil Presen	nt? Yes X No
repeatedly minches. Give	ixed and tilled togeth	er from f es listing	arming practices. Th	ne soil w	as a dar	k (10YR 2	2/1 and 3/1) black silty	ident that the A/B horizons have been clay loam for the entire test pit ~16-18-sume additional hydric soil indicators to

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/10/19					
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W3-Up-3					
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	of Schuyler					
Landform (hillside, terrace, etc.): none		ive, convex, none):	Slope %: 0-3					
Subregion (LRR or MLRA): LRR L	Lat: 43.07422935	Long: -75.12139958	Datum: WGS 84					
Soil Map Unit Name: Teel Silt Loam (TS)		NWI classification:						
Are climatic / hydrologic conditions on the site typic	eal for this time of year?		explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	-	Are "Normal Circumstances" pres						
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in						
SUMMARY OF FINDINGS – Attach site	<del></del>		•					
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area						
Hydric Soil Present? Yes		Wetland? Yes	No X					
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:	<u> </u>					
Remarks: (Explain alternative procedures here or								
HYDROLOGY								
Wetland Hydrology Indicators:		<del></del>	minimum of two required)					
Primary Indicators (minimum of one is required; cl		Surface Soil Crack	` '					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns						
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (I						
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water						
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse						
Algal Mat or Crust (B4)  Iron Deposits (B5)	Thin Muck Surface (C7)	ent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)  Muck Surface (C7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic I	·					
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Nemarks)	FAC-Neutral Test						
Field Observations:			(00)					
	X Depth (inches):							
Surface Water Present? Yes No Water Table Present? Yes No	· · · ·							
<del></del>	X Depth (inches):	Wetland Hydrology Present?	Yes No X					
(includes capillary fringe)			<u>.</u> <u>.x</u>					
Describe Recorded Data (stream gauge, monitorii	ng well, aerial photos, previous inspe	ctions), if available:						
Remarks:								
eastern edge of westernmost ag field								

<b>EGETATION</b> – Use scientific names of pla	ints.			Sampling	Point:	W3-Up	)-3
ree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet	:		
. Prunus serotina			FACU	Number of Dominant Species			
Pinus strobus			FACU	That Are OBL, FACW, or FAC		0	(A)
. Thuja occidentalis			FACU	Total Number of Dominant	_		_
. Acer rubrum			FAC	Species Across All Strata:		2	(B)
. Fraxinus americana			FACU	Percent of Dominant Species			_
Acer saccharum		·	FACU	That Are OBL, FACW, or FAC		0.0%	(A/B)
Acer negundo			FAC	Prevalence Index workshee	t:		
		=Total Cover		Total % Cover of:	Mul	Itiply by:	_
apling/Shrub Stratum (Plot size: 15 by 20' )		•		OBL species 0	x 1 =	0	
Rhamnus frangula			FAC	FACW species 0	x 2 =	0	_
Lonicera tatarica		· <u></u>	FACU	FAC species 0	x 3 =	0	_
Fraxinus americana			FACU	FACU species 70	x 4 =	280	_
Prunus serotina			FACU	UPL species 5	x 5 =	25	
Acer saccharum			FACU	Column Totals: 75	(A)	305	— (B)
Lindera benzoin		1	FACW	Prevalence Index = B/		4.07	
. Rosa multiflora		1	FACU	Hydrophytic Vegetation Indi	cators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size: 10 by 15' )		•		2 - Dominance Test is >5	, ,	,	
. Urtica dioica			FAC	3 - Prevalence Index is ≤			
. Toxicodendron radicans			UPL	4 - Morphological Adapta		ovide sur	pporting
Plantago major	15	Yes	FACU	data in Remarks or on	-		
Phalaris arundinacea			FAC	Problematic Hydrophytic	Vegetatic	on¹ (Expla	ain)
Rubus allegheniensis			FACU	<del></del>	_		•
Solidago canadensis	5	No	FACU	<sup>1</sup> Indicators of hydric soil and was be present, unless disturbed of			must
Artemisia vulgaris	5	No	UPL	Definitions of Vegetation St		116.1.5.	
Trifolium repens	40	Yes	FACU				
Dactyis glomerata			FACU	<b>Tree</b> – Woody plants 3 in. (7.4 diameter at breast height (DB			height
Parthenocissus quinquefolia			FACU				
Tarmenocissus quinqueiolia     Taraxacum officinale	10	 No	FACU	Sapling/shrub – Woody plan and greater than or equal to 3			ЭВН
2. Daucus carota	10	110	UPL		`	,	
z. Daucus carota	75	=Total Cover	UFL	<b>Herb</b> – All herbaceous (non-work of size, and woody plants less			ardless
Leady Vine Otrations (Diet size)	75	- Tutal Cover		Of Size, and woody plants less	ilian J.Z	.0 Il laii.	
Voody Vine Stratum (Plot size:)				Woody vines – All woody vin	es greate	er than 3.2	28 ft in
				height.			
·				Hydrophytic			
				Vegetation	N -	V	
				Present? Yes	No_	<u>X</u>	
		=Total Cover					

SOIL Sampling Point W3-Up-3

		o the de				tor or co	onfirm the absence of ind	icators.)
Depth (inches)	Matrix	%		x Featur		Loc <sup>2</sup>	Toyturo	Domonico
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remarks
0-8	7.5YR 3/3	100						dark silt loam
8-14	7.5YR 2.5/2	100						
							<del></del>	
							<del></del>	
	ncentration, D=Deple	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		ore Lining, M=Matrix.
Hydric Soil II				0 (	(00) (			oblematic Hydric Soils <sup>3</sup> :
Histosol (	A1) ipedon (A2)		Polyvalue Belo		ce (S8) (I	LKK K,		(10) ( <b>LRR K, L, MLRA 149B</b> ) Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surf	•	(I RR R	MI RA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· -	low Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					rface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mangane	ese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		Redox Dark Su					(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	eyed Matrix (S4)		Depleted Dark				Red Parent N	
	edox (S5) Matrix (S6)		Redox Depress		8)			Dark Surface (F22) n in Remarks)
Dark Sur			Marl (F10) ( <b>LR</b>	K K, L)			Other (Explai	ii iii Reiliaiks)
Bank Gan	1400 (01)							
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):						·	
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No_X_
Remarks:								
tilled ag field								

Project/Site: Mohawk SA		City/County: Herki	mer	Sampling Date: 10/11/19	
Applicant/Owner: The Wetland	ds Trust, Inc.		State: NY	Sampling Point: W4-Wet-1	
Investigator(s): Colin Diehl/Travis	Money	Section, T	ownship, Range: Schuyle	er	
Landform (hillside, terrace, etc.):		Local relief (concave, con	/ex, none): concave	Slope %: 0-3	
Subregion (LRR or MLRA): LRR	Lat: 43.072347	<del>-</del> 705 Long	g: -75.12096917	Datum: WGS 84	
Soil Map Unit Name: Alluvial Land	i (Ad)		NWI classification:	 : PFO	
Are climatic / hydrologic conditions	,	year? Yes X	No (If no,	explain in Remarks.)	
Are Vegetation, Soil			rmal Circumstances" pres	,	
Are Vegetation , Soil	<del>-</del>		ed, explain any answers i		
SUMMARY OF FINDINGS -	<del></del>			•	
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled	Δrea		
Hydric Soil Present?	Yes X No	within a Wetlan		No	
Wetland Hydrology Present?	Yes X No	If yes, optional W			
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (	minimum of two required)	
Primary Indicators (minimum of or	ne is required; check all that appl	<u>y)</u>	Surface Soil Crack	(s (B6)	
Surface Water (A1)	Water-Stained L		Drainage Patterns		
High Water Table (A2)	Aquatic Fauna (	·	Moss Trim Lines (I	·	
X Saturation (A3)	Marl Deposits (E	·	Dry-Season Water		
Water Marks (B1)	Hydrogen Sulfid		Crayfish Burrows (		
X Sediment Deposits (B2)		pheres on Living Roots (C3)		on Aerial Imagery (C9)	
X Drift Deposits (B3)	Presence of Rec	` '	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surfa		Shallow Aquitard (	•	
Inundation Visible on Aerial In		n Remarks)	Microtopographic I		
X Sparsely Vegetated Concave	Suпасе (В8)		X FAC-Neutral Test	(D5)	
Field Observations:					
Surface Water Present? Yes		inches):			
Water Table Present? Yes		inches):			
	X No Depth (	inches): 8 Wetla	and Hydrology Present?	Yes <u>X</u> No	
(includes capillary fringe)					
Describe Recorded Data (stream	gauge, monitoring well, aerial pho	otos, previous inspections), i	r available:		
Remarks: Located within wooded wetland ac	jacent to tributary and upland flo	odplain forest.			

<b>EGETATION</b> – Use scientific names of pla	กเร			Sampling Point: W4-Wet-1
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
I. Ulmus americana	20	Yes	FACW	Number of Dominant Species
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC: 9 (A)
3. Fraxinus pennsylvanica	20	Yes	FACW	Total Number of Dominant
1. Salix alba	15	Yes	FACW	Species Across All Strata: 9 (B)
5. Acer rubrum			FAC	Percent of Dominant Species
6. Acer saccharinum			FACW	That Are OBL, FACW, or FAC: 100.0% (A/B)
7. Alnus glutinosa		<del>-</del>	FACW	Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20' )				OBL species x 1 =
1. Cornus sericea	25	Yes	FACW	FACW species x 2 =
2. Acer rubrum			FAC	FAC species x 3 =
3. Fraxinus pennsylvanica			FACW	FACU species x 4 =
4. Lonicera tatarica			FACU	UPL species x 5 =
5. Salix alba	10	Yes	FACW	Column Totals: (A) (B)
6. Alnus glutinosa			FACW	Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%
1. Menispermum canadense	15	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Carex spp.			FACW	data in Remarks or on a separate sheet)
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Typha angustifolia			OBL	<u> </u>
6. Impatiens capensis	15	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Urica dioica			FAC	Definitions of Vegetation Strata:
8. Geranium bicknellii			FACW	
9. Iris versicolor	15	Yes	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. Equisetum arvense			FACW	
11. Eupatorium perfoliatum			FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12. Toxicodendron radicans	15	Yes	FAC	
10/10000		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )		- 10.00.00		
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
		•		Height.
3.		į		Hydrophytic
4.				Vegetation Present? Yes X No
4.		=Total Cover		Present: 165 _ A 140
		= Total Cover		

SOIL Sampling Point W4-Wet-1

Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 2/1	100					Loamy/Clayey	
4-14	7.5YR 3/1	100						gravelly loamy coarse sand
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:							Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) (	LRR R,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•	\	MIDA		rie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Surfa					y Peat or Peat (S3) ( <b>LRR K, L, R</b> ) Below Surface (S8) ( <b>LRR K, L</b> )
	I Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			, =/		anese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)	,	X Depleted Matrix		,			Floodplain Soils (F19) (MLRA 149E
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spoo	dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
	edox (S5)		Redox Depress		8)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK,L)			Other (Exp	lain in Remarks)
Dark Sui	face (S7)							
<sup>3</sup> Indicators of	f hydrophytic vegetation	on and v	vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	_ayer (if observed):		, ,,		•		·	
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:								
The wetland	is located within the 1	00 year	floodplain of the Mol	hawk Ri	ver.			

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/11/19
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W4-Up-1
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	f Schuyler
Landform (hillside, terrace, etc.): none		ve, convex, none): convex	Slope %: 0-3
Subregion (LRR or MLRA): LRR L	Lat: 43.07240173	Long: -75.12089752	Datum: WGS 84
Soil Map Unit Name: Alluvial Land (Ad)		NWI classification:	
Are climatic / hydrologic conditions on the site typical	al for this time of year?		explain in Remarks.)
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" pres	
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers ir	
SUMMARY OF FINDINGS – Attach site			•
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area	
Hydric Soil Present? Yes		Wetland? Yes	No X
Wetland Hydrology Present? Yes	No X If yes, op	otional Wetland Site ID:	
HYDROLOGY			
Wetland Hydrology Indicators:		· · · · · · · · · · · · · · · · · · ·	minimum of two required)
Primary Indicators (minimum of one is required; ch		Surface Soil Crack	` '
<u> </u>	Water-Stained Leaves (B9)	Drainage Patterns	
<del></del>	Aquatic Fauna (B13)	Moss Trim Lines (E	,
<del></del>	Marl Deposits (B15)	Dry-Season Water	,
<del></del>	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (	
<u> </u>	Oxidized Rhizospheres on Living Ro	· · · · · · · · · · · · · · · · · · ·	on Aerial Imagery (C9)
<u> </u>	Presence of Reduced Iron (C4)	Stunted or Stresse	, ,
1 <u> </u>	Recent Iron Reduction in Tilled Soils	` ' `	
<u> </u>	Thin Muck Surface (C7)	Shallow Aquitard (I	•
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	Microtopographic F FAC-Neutral Test (	` '
		FAC-Neutral Test (	(ปจ)
Field Observations:			
<u> </u>	X Depth (inches):		
	X Depth (inches):		<b>V</b> N V
	X Depth (inches):	Wetland Hydrology Present?	Yes No _X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitorin	g well, aeriai priotos, previous irisped	zions), ii avaliable.	
Remarks:			
upslope from W4-Wet-1			

Free Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Rhamnus cathartica	15	Yes	FACU	Bollinance rest worksheet.			
	10	No No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)			
				That Are OBL, FACW, or FAC:(A)			
B. Platanus occidentalis	15	Yes	FACU	Total Number of Dominant			
1. Acer rubrum			FAC	Species Across All Strata: 6 (B)			
5. Fraxinus americana	15	Yes	FACU	Percent of Dominant Species			
6. Acer saccharum			FACU	That Are OBL, FACW, or FAC: 16.7% (A/B			
7. Acer negundo			FAC	Prevalence Index worksheet:			
	55	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species 0 x 1 = 0			
Rhamnus cathartica	20	Yes	FAC	FACW species 0 x 2 = 0			
2. Lonicera tatarica			FACU	FAC species 20 x 3 = 60			
B. Fraxinus americana			FACU	FACU species75 x 4 =300			
4				UPL species 10 x 5 = 50			
Acer saccharum			FACU	Column Totals: 105 (A) 410 (B			
6. <u>Lindera benzoin</u>			FACW	Prevalence Index = B/A = 3.90			
7. Rosa multiflora	20	Yes	FACU	Hydrophytic Vegetation Indicators:			
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size:10 by 15')				2 - Dominance Test is >50%			
1. <i>Urtica dioica</i>			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Toxicodendron radicans	10	Yes	UPL	4 - Morphological Adaptations¹ (Provide supportir			
3. Plantago major			FACU	data in Remarks or on a separate sheet)			
1. Phalaris arundinacea		· <u></u>	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Rubus allegheniensis		· <u></u>	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
S. Solidago canadensis			FACU	be present, unless disturbed or problematic.			
7. Artemisia vulgaris			UPL	Definitions of Vegetation Strata:			
3. Trifolium repens			FACU	Tree Meantanhanta Olim (7.0 and an arrangin			
Dactyis glomerata			FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height			
10. Parthenocissus quinquefolia			FACU				
11. Taraxacum officinale			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Daucus carota			UPL	-			
	10	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:)							
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft i height.			
				Tioight.			
3.				Hydrophytic			
4.				Vegetation Present? Yes No X			
··.				Present?			
		=Total Cover					

SOIL Sampling Point W4-Up-1

Color (mois  0-2  10YR 2/1  2-8  10YR 3/2  8-14  7.5YR 3/1    Type: C=Concentration, D=  Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Below Dark Su	100 100 100	Color (moist)  M=Reduced Matrix, Matri		ns. <sup>2</sup> Location	sand	emarks silt loam  dy loam  =Matrix.
2-8 10YR 3/2  8-14 7.5YR 3/1   Type: C=Concentration, D=  Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	100	Polyvalue Belov			sand	dy loam
8-14 7.5YR 3/1  Type: C=Concentration, D=  Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	100	Polyvalue Belov			: PL=Pore Lining, M	
<sup>1</sup> Type: C=Concentration, D= <b>Hydric Soil Indicators:</b> Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)		Polyvalue Belov			: PL=Pore Lining, M	
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)	Depletion, RM	Polyvalue Belov				=Matrix.
Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)		Polyvalue Belov				
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5)			V Surface (SO) (I DD E		's for Problematic H	lydric Soils³:
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5)		MI RA 149R)	` , `		Muck (A10) (LRR K,	· ·
Hydrogen Sulfide (A4) Stratified Layers (A5)		•			t Prairie Redox (A16)	
Stratified Layers (A5)			ace (S9) (LRR R, MLR	· —	Mucky Peat or Peat	
			ands (S11) (LRR K, L		value Below Surface (	
Depicted Delow Daik Su	rfaco (A11)	Loamy Gleyed N	Mineral (F1) ( <b>LRR K, L</b> Matrix (F2)	· —	Dark Surface (S9) ( <b>L</b> l Manganese Masses (	•
Thick Dark Surface (A12		Depleted Matrix			nont Floodplain Soils	
Sandy Mucky Mineral (S	•	Redox Dark Sur			c Spodic (TA6) ( <b>MLR</b>	
Sandy Gleyed Matrix (S4	-	Depleted Dark S			Parent Material (F21)	
Sandy Redox (S5)	,	Redox Depressi			Shallow Dark Surface	
Stripped Matrix (S6)		Marl (F10) (LRF	` '		r (Explain in Remarks	
Dark Surface (S7)		Wan (1 10) ( <b>LI</b> W	( II, L)		(Explain in Remarks	"/
Bank Banass (81)						
<sup>3</sup> Indicators of hydrophytic vec		vetland hydrology mus	st be present, unless	disturbed or problemat	ic.	
Restrictive Layer (if observ	ed):					
Type:				Underland Call Days	40 V	N. V
Depth (inches):				Hydric Soil Pre	sent? Yes_	No <u>X</u>
Remarks:						

Project/Site: Mohawk SA City/County: Herkimer Sampling Date: 10/11/19
Applicant/Owner: The Wetlands Trust, Inc. State: NY Sampling Point: W5-Wet
Investigator(s): Colin Diehl/Travis Money Section, Township, Range: Schuyler
Landform (hillside, terrace, etc.): drainageway/linear corridor Local relief (concave, convex, none): concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.07019185 Long: -75.11953061 Datum: WGS 84
Soil Map Unit Name: Teel Silt Loam (TS)  NWI classification: PSS/PFO
Are climatic / hydrologic conditions on the site typical for this time of year?  Yes X  No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _X _ No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area
Hydric Soil Present? Yes X No within a Wetland? Yes X No
Wetland Hydrology Present?  Yes X No If yes, optional Wetland Site ID:
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)
X Surface Water (A1)  X Water-Stained Leaves (B9)  X Drainage Patterns (B10)  X Nace Take (A2)
X High Water Table (A2)  Aquatic Fauna (B13)  X Moss Trim Lines (B16)  And Deposits (B15)  Dec Second Water Table (C2)
X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)  Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
X Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3)  Presence of Reduced Iron (C4)  Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  X Geomorphic Position (D2)
Iron Deposits (B5)  Thin Muck Surface (C7)  Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
X Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes X No Depth (inches): 2
Water Table Present? Yes X No Depth (inches):
Saturation Present? Yes X No Depth (inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Located within scrub-shrub/wooded linear drainageway/corridor within hedgerow of central portion of Site
a control mann solub simus, modes micai alamagonay, solmasi minim nosgoton oi cominai pomen oi cite

<b>/EGETATION</b> – Use scientific names of pla	nts.			Sampling Point: W5-Wet-1		
<u>Tree Stratum</u> (Plot size:15 by 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Ulmus americana	15	Yes	FACW	Number of Dominant Species		
2. Ostrya virginiana		, <u></u>	FACU	That Are OBL, FACW, or FAC:6(A)		
3. Fraxinus pennsylvanica	10	Yes	FACW	Total Number of Dominant		
4. Salix alba			FACW	Species Across All Strata: 6 (B)		
5. Acer rubrum			FAC			
6. Acer saccharinum			FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
7. Alnus glutinosa	-		FACW	Prevalence Index worksheet:		
	25	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15 by 20' )	1	i		OBL species x 1 =		
1. Cornus sericea	5	No	FACW	FACW species x 2 =		
2. Acer rubrum		, <u></u>	FAC	FAC species x 3 =		
3. Fraxinus pennsylvanica	40	Yes	FACW	FACU species x 4 =		
4. Lonicera tatarica	-		FACU	UPL species x 5 =		
5. Salix alba	5	No	FACW	Column Totals: (A) (B)		
6. Alnus glutinosa	-		FACW	Prevalence Index = B/A =		
7.	-			Hydrophytic Vegetation Indicators:		
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 10 by 15')	-	•		X 2 - Dominance Test is >50%		
Menispermum canadense			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Carex spp.			FACW	data in Remarks or on a separate sheet)		
4. Onoclea sensibilis	-		FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Typha angustifolia	-		OBL	<del>                                   </del>		
6. Impatiens capensis		•	FACW	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>		
7. Urica dioica	10	Yes	FAC	Definitions of Vegetation Strata:		
8. Geranium bicknellii	-		FACW			
9. Iris versicolor	-		FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10. Equisetum arvense	5	No	FACW			
11. Equisetum hyemale	15	Yes	FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12. Toxicodendron radicans	5	No	FAC			
	35	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: )						
1. Vitis riparia	10	Yes	FAC	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
2.				Thoight.		
3.	-			Hydrophytic		
4.		•		Vegetation Present? Yes X No		
	10	=Total Cover		7 103 <u>A</u> 103		
Describes (healthde whate numbers here or on a const		-				
Remarks: (Include photo numbers here or on a separ	ate sneet.)					

SOIL Sampling Point W5-Wet-1

(inches) Color (moist) % Color (moist) % Type¹ Loc¹ Texture Remarks  0-4 7.5YR 3/2 100 Loamy/Clayey  4-10 10YR 4/3 100 Loamy/Clayey  10-16 2.5Y 5/4 100 Loamy/Clayey silty loam  10-16 2.5Y 5/4 100 Loamy/Clayey silty loamy/Clayey silty loam  10-16 2.5Y 5/4 100 Loamy/Clayey silty loamy/Clayeys loady/Clayeys loamy/Clayeys loamy/Cla	Depth	Matrix			Featur				
Loamy/Clayey   Loam	(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  **Indicators:**   Indicators for Problematic Hydric Soils*:   2 cm Muck (A10) (LRR K, L, MLRA 149B)   Coast Prairie Redox (A16) (LRR K, L, R)   Hydrogen Sulfde (A4)   High Chroma Sands (S11) (LRR K, L)   Polyvale Below Surface (S8) (LRR K, L, R)   Polyvale Below Surface (S9) (LRR K, L, R)   Pol	0-4	7.5YR 3/2	100					Loamy/Clayey	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  **Location: PL=Pore Lining, M=Matrix.**  **Indicators for Problematic Hydric Soils*:  **Indicators for Problematic Hydric Hyd	4-10	10YR 4/3	100					Loamy/Clayey	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1)  Loamy Mucky Mineral (F1) (LRR K, L)  Thic Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Hydric Soil Present?  Yes X No  Remarks:	10-16	2.5Y 5/4	100					Loamy/Clayey silty loam	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Pelyvalue Below Surface (S9) (LRR K, L)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F3)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Remarks:									
Histosol (A1)			etion, RM	I=Reduced Matrix, N	IS=Mas	ked Sand	d Grains.		
Histic Epipedon (A2)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  Black Histic (A3)  Thin Dark Surface (A16) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  T	-			Polyvalue Relo	w Surfa	ce (S8) (	I DD D		
Black Histic (A3)						Le (36) (I	LKK K,		•
Stratified Layers (A5)				•		(LRR R	, MLRA 1		
Depleted Below Dark Surface (A11)	Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRI</b>	R K, L)	Polyvalue Below Surface (S8) (LRR K,	L)
Thick Dark Surface (A12)	Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dark Surface (S9) (LRR K, L)	
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)  Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)  Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches): Hydric Soil Present? Yes X No  Remarks:	Depleted	l Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manganese Masses (F12) (LRR K	L, R)
Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Other (Explain in Remarks)  Hydric Soil Present?  Yes X No	Thick Da	ark Surface (A12)		X Depleted Matrix	x (F3)			Piedmont Floodplain Soils (F19) (MLRA	149B
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No  Remarks:						-		Mesic Spodic (TA6) ( <b>MLRA 144A, 145,</b>	149B)
Stripped Matrix (S6)									
Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No  Remarks:						3)			
3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No  Remarks:	Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Explain in Remarks)	
Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No  Remarks:	Dark Sur	face (S7)							
Type:	<sup>3</sup> Indicators of	f hydrophytic vegetation	on and w	retland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Depth (inches): Hydric Soil Present? Yes X No  Remarks:		_ayer (if observed):							
Remarks:	-								
	Depth (ir	nches):						Hydric Soil Present? Yes X No	
The wettand is located within the 100 year hoodplain of the Monawk River.		is leasted within the 1	00	floodulain of the Mal	anul Di	r			
	THE WELIAND	is located within the	oo year	ilooupiairi oi tile ivioi	iawk Ki	vei.			

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/11/19		
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W5-Up-1		
Investigator(s): Colin Diehl/Travis Money	S	ection, Township, Range: Town o	f Schuyler		
Landform (hillside, terrace, etc.): none	Local relief (conca	ive, convex, none): convex	Slope %: 0-3		
Subregion (LRR or MLRA): LRR L	Lat: 43.07026655	Long: -75.11956864	Datum: WGS 84		
Soil Map Unit Name: Teel Silt Loam (Ts)		NWI classification:			
Are climatic / hydrologic conditions on the site typica	I for this time of year?		explain in Remarks.)		
	-				
Are Vegetation, Soil, or Hydrology _		Are "Normal Circumstances" pres			
Are Vegetation, Soil, or Hydrology _		(If needed, explain any answers in	•		
SUMMARY OF FINDINGS – Attach site r	map showing sampling poi	nt locations, transects, im	portant features, etc.		
Hydrophytic Vegetation Present? Yes	No X Is the S	ampled Area			
Hydric Soil Present? Yes		Wetland? Yes	No X		
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:	<u> </u>		
Remarks: (Explain alternative procedures here or in					
Tremane. (Explain alternative procedures here of the	ir a soparato roporti,				
HYDROLOGY					
		Sacandary Indicators (	minimum of two required)		
Wetland Hydrology Indicators:	ack all that apply)	<del></del>	minimum of two required)		
Primary Indicators (minimum of one is required; che		Surface Soil Crack	, ,		
<del></del> -	Vater-Stained Leaves (B9)	Drainage Patterns			
<del></del>	Aquatic Fauna (B13)	Moss Trim Lines (E	Dry-Season Water Table (C2)		
<u> </u>	Marl Deposits (B15)		,		
<u> </u>	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (			
<u> </u>	Oxidized Rhizospheres on Living Ro		on Aerial Imagery (C9)		
<u> </u>	Presence of Reduced Iron (C4)	Stunted or Stresse	, ,		
<del></del>	Recent Iron Reduction in Tilled Soils				
<del></del>	Thin Muck Surface (C7)	Shallow Aquitard (I			
	Other (Explain in Remarks)	Microtopographic F	, ,		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (	(D5)		
Field Observations:					
Surface Water Present? Yes No _					
Water Table Present? Yes No _					
Saturation Present? Yes No _	X Depth (inches):	Wetland Hydrology Present?	Yes No _X_		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspe	ctions), if available:			
Remarks:					
upslope in ag field from W5-Wet-1 in drainageway/l	nedgerow				

<b>/EGETATION</b> – Use scientific names of pla	11113.			Sampling Point: W5-Up-1		
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Rhamnus cathartica			FACU	Number of Dominant Species		
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC: 0 (A)		
3. Platanus occidentalis			FACU	Total Number of Dominant		
1. Acer rubrum			FAC	Species Across All Strata: 5 (B)		
5. Fraxinus americana			FACU	Descent of Descinant Charles		
6. Acer saccharum			FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B		
7. Acer negundo			FAC	Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15 by 20' )		•		OBL species 0 x 1 = 0		
1. Rhamnus cathartica			FAC	FACW species 0 x 2 = 0		
2. Lonicera tatarica			FACU	FAC species0 x 3 =0		
3. Fraxinus americana			FACU	FACU species 45 x 4 = 180		
1.				UPL species 25 x 5 = 125		
5. Acer saccharum			FACU	Column Totals: 70 (A) 305 (B		
5. Lindera benzoin			FACW	Prevalence Index = B/A = 4.36		
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 10 by 15')		•		2 - Dominance Test is >50%		
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Toxicodendron radicans	5	No	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Plantago major	5	No	FACU	data in Remarks or on a separate sheet)		
4. Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Rubus allegheniensis			FACU			
5. Solidago canadensis	10	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Artemisia vulgaris	10	Yes	UPL	Definitions of Vegetation Strata:		
3. Trifolium repens	15	Yes	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in		
9. Dactyis glomerata	5	No	FACU	diameter at breast height (DBH), regardless of heigh		
10. Parthenocissus quinquefolia			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
11. Taraxacum officinale	10	Yes	FACU			
12. Daucus carota	10	Yes	UPL	<b>Herb</b> – All herbaceous (non-woody) plants, regardles:		
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: )		•		We also trace Allows to the state of the sta		
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
2.						
3.				Hydrophytic		
1.	1	·		Vegetation Present? Yes No X_		
		=Total Cover		_ · · · · · · · · · · · · · · · · · · ·		

SOIL Sampling Point W5-Up-1

		o the de				tor or co	onfirm the absence of i	ndicators.)	
Depth (in aboa)	Matrix	%		x Featur		Loc <sup>2</sup>	Tardiina	Damas	l-=
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remar	KS
0-6	10YR 3/1	100							
6-14	10YR 2/2	100						sandy/silt	loam
1 <sub>Type:</sub> C=Ce	neentration D=Denis		4-Daduard Matrix N		Lod Cond	Crains	<sup>2</sup> l costion: DI-	Pore Lining, M=Ma	tuis.
Hydric Soil I	ncentration, D=Deple	elion, Riv	i=Reduced Matrix, N	/IS=IVIAS	ked Sand	Grains.		Problematic Hydri	
Histosol (			Polyvalue Belo	w Surfa	ce (S8) (I	RR R,		(A10) ( <b>LRR K, L, I</b>	
	ipedon (A2)		MLRA 149B		`	,		rie Redox (A16) ( <b>LF</b>	•
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	MLRA 1	5 cm Muck	xy Peat or Peat (S3)	(LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8)	
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) ( <b>LRR</b>	
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			anese Masses (F12	
	rk Surface (A12)		Depleted Matri		·e)			Floodplain Soils (F1	
	ucky Mineral (S1) leyed Matrix (S4)		Redox Dark Su Depleted Dark					dic (TA6) ( <b>MLRA 1</b> 4 it Material (F21)	14A, 145, 149b)
	edox (S5)		Redox Depress					ow Dark Surface (F	22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		- /			olain in Remarks)	,
Dark Sur	face (S7)						<u>—</u>		
•									
		on and w	etland hydrology mu	ust be pr	esent, ur	ıless dist	urbed or problematic.		
	ayer (if observed):								
Type:	ale a a V						Headaile On il Dun annut		N- V
	ches):						Hydric Soil Present	? Yes	NoX
Remarks: within tilled a	n field								
within thea a	g noid								

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/11/19
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W6-Wet-1
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town of	Schuyler
Landform (hillside, terrace, etc.):	Local relief (conca	ave, convex, none): concave	Slope %: 0-3
Subregion (LRR or MLRA): LRR L La	at: 43.07554902	· ·	Datum: WGS 84
Soil Map Unit Name: Cut and Fill Land (CU)		NWI classification:	
Are climatic / hydrologic conditions on the site typical f	for this time of year?	Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil _X, or Hydrology		Are "Normal Circumstances" pres	
Are Vegetation , Soil , or Hydrology		(If needed, explain any answers in	
SUMMARY OF FINDINGS – Attach site m	<del></del>		
Hydrophytic Vegetation Present? Yes	X No Is the Sa	ampled Area	
Hydric Soil Present? Yes		Wetland? Yes X	No
Wetland Hydrology Present? Yes		otional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a	а ѕерагате тероп.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)
Primary Indicators (minimum of one is required; chec		Surface Soil Crack	` '
<del></del> -	ater-Stained Leaves (B9)	X Drainage Patterns	
<del>-</del>	ղuatic Fauna (B13)	Moss Trim Lines (I	•
<u>——</u>	arl Deposits (B15)	Dry-Season Water	
<del></del>	vdrogen Sulfide Odor (C1)	Crayfish Burrows (	
	kidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)
<u> </u>	esence of Reduced Iron (C4)	Stunted or Stresse	
<del></del>	ecent Iron Reduction in Tilled Soils		
<u> </u>	in Muck Surface (C7)	Shallow Aquitard (	•
1 —	her (Explain in Remarks)	Microtopographic F	
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test	(D5)
Field Observations:			
Surface Water Present? Yes No	Depth (inches):		
Water Table Present? Yes No	Depth (inches):		
Saturation Present? Yes X No	Depth (inches): 6	Wetland Hydrology Present?	Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, previous inspec	ctions), if available:	
Damanda			
Remarks: Isolated depression located at toe of slope with RR tr	cacks, north of wasternmost ag fiel	id just east of access road across	tracks
isolated depression located at toe of slope with NN th	acks, north or westerninost ag nei	u, just east of access load across	o tracks

<b>/EGETATION</b> – Use scientific names of p	Sampling Point: W6-Wet-1				
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. Ulmus americana			FACW	North and Department Charles	
2. Ostrya virginiana	_		FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	5 (A)
3. Fraxinus pennsylvanica	_		FACW		
4. Salix alba	-		FACW	Total Number of Dominant Species Across All Strata:	5 (B)
5. Acer rubrum	40	Yes	FAC	·	
6. Acer saccharinum			FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0% (A/B)
7. Alnus glutinosa	_		FACW	Prevalence Index worksheet:	, ,
	40	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20'				<del></del>	1 =
1. Cornus sericea			FACW	FACW species x	2 =
2. Acer rubrum		<u> </u>	FAC	FAC species x	3 =
3. Fraxinus pennsylvanica	<u> </u>		FACW	FACU species x	4 =
4. Lonicera tatarica			FACU	UPL species x	5 =
5. Salix alba	15	Yes	FACW	Column Totals: (A	A) (B)
6. Alnus glutinosa			FACW	Prevalence Index = B/A =	=
7. Populus deltoides	15	Yes	FAC	Hydrophytic Vegetation Indicate	tors:
	30	=Total Cover		1 - Rapid Test for Hydrophyt	ic Vegetation
Herb Stratum (Plot size: 10 by 15')				X 2 - Dominance Test is >50%	- J
1. Phragmites australis	70	Yes	FACW	3 - Prevalence Index is ≤3.0	1
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporti	
3. Artemisia vulgaris	10	No	FACW	data in Remarks or on a s	eparate sheet)
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Veg	getation <sup>1</sup> (Explain)
5. Typha angustifolia			OBL	<sup>1</sup> Indicators of hydric soil and wetl	land hydrology must
6. Impatiens capensis			FACW	be present, unless disturbed or p	
7. Urica dioica		·	FAC	Definitions of Vegetation Strate	a:
8. Geranium bicknellii			FACW	Tree – Woody plants 3 in. (7.6 ci	m) or more in
9. Iris versicolor			FACW	diameter at breast height (DBH),	
10. Equisetum arvense	<b>-</b> -	·	FACW	Sapling/shrub – Woody plants I	loca than 2 in DRH
11. Equisetum hyemale			FACW	and greater than or equal to 3.28	
12. Toxicodendron radicans		·	FAC	Herb – All herbaceous (non-woo	du) plante regardless
	80	=Total Cover		of size, and woody plants less th	
Woody Vine Stratum (Plot size:	)	•		Woody vines – All woody vines	arostor than 2 28 ft in
1. Vitis riparia	-^ 5	Yes	FAC	height.	greater than 3.20 it in
2.					
3.				Hydrophytic	
4.	_			Vegetation Present? Yes X	No
	5	=Total Cover			
Remarks: (Include photo numbers here or on a se	parate sheet.)	•		. L	
(	,				

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SOIL Sampling Point W6-Wet-1

	cription: (Describe t	to the de				ator or co	onfirm the absence of	of indicators.)
Depth (inches)	Matrix	%		x Featur		Loc <sup>2</sup>	Toytura	Domarka
(inches)	Color (moist)		Color (moist)	<u></u> %	Type <sup>1</sup>	LOC	Texture	Remarks
0-6	10YR 4/1	100					Loamy/Clayey	gravelly loam
6-10	10YR 3/1	100					Loamy/Clayey	gravel with fill - auger refusal at 10"
							_	
		·					_	
								_
1							2:	<u> </u>
	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil			Daharahia Dala	0	(CO) (	. DD D		for Problematic Hydric Soils <sup>3</sup> :
Histosol	(AT) pipedon (A2)		Polyvalue Belo		ce (58) (I	LKK K,		luck (A10) ( <b>LRR K, L, MLRA 149B</b> ) Prairie Redox (A16) ( <b>LRR K, L, R</b> )
	stic (A3)		Thin Dark Surf	•	(I PP P	MI DA 1		lucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					ark Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			( it, _)		anganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	, (, (, , , ,	X Depleted Matri		,			ont Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark		-			rent Material (F21)
Sandy R	Redox (S5)		Redox Depress	sions (F	8)		Very Sh	nallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			X Other (I	Explain in Remarks)
Dark Su	rface (S7)							
	f hydrophytic vegetati	ion and v	vetland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Prese	ent? Yes X No No
Remarks:						-		
		acks. A	ıger refusal at ∼10" a	at 3 loca	tions due	to appar	ent fill. Farming equi	ipment, RR ballast and fill observed
within wetlan	id/sampling point.							

Project/Site: Mohawk SA	City/County	: Herkimer	Sampling Date: 10/11/19			
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W6-Up-1			
Investigator(s): Colin Diehl/Travis Money	Se	ction, Township, Range: Town o	f Schuyler			
Landform (hillside, terrace, etc.): none	Local relief (concave, convex, none): convex Slope %:					
Subregion (LRR or MLRA): LRR L	Lat: 43.07549587	Long: -75.12060865	Datum: WGS 84			
Soil Map Unit Name: Cut and Fill Land (CU)		NWI classification:				
Are climatic / hydrologic conditions on the site typic	al for this time of year?		explain in Remarks.)			
Are Vegetation, Soil, or Hydrology	•	Are "Normal Circumstances" pres				
Are Vegetation, Soil, or Hydrology		If needed, explain any answers in				
SUMMARY OF FINDINGS – Attach site		•	•			
Hydrophytic Vegetation Present? Yes	No X Is the Sa	mpled Area				
Hydric Soil Present? Yes		Wetland? Yes	No X			
Wetland Hydrology Present? Yes	No X If yes, op	tional Wetland Site ID:				
LIMPROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:	and all that and by		minimum of two required)			
Primary Indicators (minimum of one is required; ch			Surface Soil Cracks (B6) Drainage Patterns (B10)			
<del></del>	Water-Stained Leaves (B9)					
<del></del> -	Aquatic Fauna (B13)	Moss Trim Lines (E	,			
<del></del> -	Marl Deposits (B15)	Dry-Season Water	` '			
<del></del> -	Hydrogen Sulfide Odor (C1) Oxidized Phizospheres on Living Rec	Crayfish Burrows (	on Aerial Imagery (C9)			
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhizospheres on Living Roc Presence of Reduced Iron (C4)	Stunted or Stresse				
<u> </u>	` '		, ,			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils  Thin Music Surface (C7)	· · · —				
<u> </u>	Thin Muck Surface (C7) Other (Explain in Remarks)	Shallow Aquitard (I  Microtopographic F	•			
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Kemarks)	FAC-Neutral Test (	` '			
		IAO-Nedital Test (	(55)			
Field Observations: Surface Water Present? Yes No	V Danth (in the c)					
	X Depth (inches):  X Depth (inches):					
		Wetland Hydrology Present?	Voc. No. V			
Saturation Present? Yes No (includes capillary fringe)	X Depth (inches):	Wettalia Hydrology Fresent?	Yes No _X_			
Describe Recorded Data (stream gauge, monitorin	ng well gerial photos, previous inspec	tions) if available:				
Beschibe Recorded Bata (stream gauge, moment	g well, actial priotos, previous inspec	tions), ii available.				
Remarks:						
along northern edge of westernmost ag field near	rail line crossing					

Tree Otractions (Distraction 45 los 00)	Absolute	Dominant	Indicator	Barriago Tantarrado hasta
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:
1. Rhamnus cathartica			FACU	Number of Dominant Species
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC:1 (A)
3. Platanus occidentalis			FACU	Total Number of Dominant
4. Acer rubrum			FAC	Species Across All Strata: 6 (B)
5. Fraxinus americana			FACU	Percent of Dominant Species
6. Acer saccharum			FACU	That Are OBL, FACW, or FAC:16.7%(A/B)
7. Acer negundo			FAC	Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species 0 x 1 = 0
1. Rhamnus cathartica			FAC	FACW species 15 x 2 = 30
2. Lonicera tatarica			FACU	FAC species 0 x 3 = 0
3. Fraxinus americana			FACU	FACU species 50 x 4 = 200
4				UPL species10 x 5 =50
5. Acer saccharum			FACU	Column Totals: 75 (A) 280 (B)
6. Lindera benzoin			FACW	Prevalence Index = B/A = 3.73
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15' )		-		2 - Dominance Test is >50%
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Plantago major	15	Yes	FACU	data in Remarks or on a separate sheet)
Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Phragmites australis	15	Yes	FACW	<del></del>
6. Solidago canadensis	10	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Artemisia vulgaris	10	Yes	UPL	Definitions of Vegetation Strata:
Trifolium repens	10	Yes	FACU	Definitions of Vegetation Strata.
<del></del>	10	Yes	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
		165		diameter at breast neight (DBH), regardless of neight.
10. Parthenocissus quinquefolia			FACU	Sapling/shrub – Woody plants less than 3 in. DBH
11. Taraxacum officinale	5	No	FACU	and greater than or equal to 3.28 ft (1 m) tall.
12. Daucus carota			UPL	Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point:

W6-Up-1

SOIL Sampling Point W6-Up-1

		o the de				tor or co	onfirm the absence of ind	cators.)	
Depth (inches)	Matrix	%		x Featur		Loc <sup>2</sup>	Toytura	Damari	<b></b>
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remarl	
0-6	5YR 2.5/1	100						dark silt l	oam
6-14	10YR 3/1	100							
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion RM	=Reduced Matrix N	AS=Mas	ked Sand	Grains	<sup>2</sup> Location: PL=Pc	re Lining M=Mat	rix
Hydric Soil I		ouon, rav	i–i teddeed iviatrix, it	/IO-IVIA3	nea cane	Oranis.	Indicators for Pro		
Histosol (			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		.10) ( <b>LRR K, L, N</b>	
Histic Epi	ipedon (A2)		MLRA 149B	)			Coast Prairie	Redox (A16) (LR	R K, L, R)
Black His			Thin Dark Surf					Peat or Peat (S3)	
	Sulfide (A4)		High Chroma S					ow Surface (S8)	
	Layers (A5)	(444)	Loamy Mucky			R K, L)		face (S9) (LRR I	
	Below Dark Surface rk Surface (A12)	(A11)	Loamy Gleyed Depleted Matri		F2)			se Masses (F12) odplain Soils (F1	
	ucky Mineral (S1)		Redox Dark Su		·6)			(TA6) ( <b>MLRA 14</b>	
	leyed Matrix (S4)		Depleted Dark				Red Parent M		, , , , , , , , , , , , , , , , , , ,
	edox (S5)		Redox Depress					Dark Surface (F2	22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Explain	n in Remarks)	
Dark Surf	face (S7)								
3									
	nydrophytic vegetation	on and w	etiand hydrology mi	ust be pr	esent, ur	iless dist	urbed or problematic.		
Type:	ayer (ii observed).								
_	ches):						Hydric Soil Present?	Yes	No X
Remarks:							Tiyuno con i resent.		
within tilled ag	g field								
`	,								

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W7-Wet-1
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): Local r	relief (concave, convex, none): none Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.006796166	Long: -75.1103389 Datum: WGS 84
Soil Map Unit Name: Wayland Soils Complex (Wd)	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problema	<del></del>
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (EX High Water Table (A2) Aquatic Fauna (B13)	39) Drainage Patterns (B10)  Moss Trim Lines (B16)
X Saturation (A3)  Aquatic Faulta (B13)  Marl Deposits (B15)	Dry-Season Water Table (C2)
X Water Marks (B1)  Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)  Oxidized Rhizospheres o	
Drift Deposits (B3)  Presence of Reduced Iro	
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5)  Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	2
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks: At toe of slope along northern property limit - unclear due to permission to be edge of NYSDEC Wetland IN-1 or not.	be on adjacent landowner parcel if this wetland represents the western

<b>/EGETATION</b> – Use scientific names of pla	Sampling Point: W7-Wet-1					
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Ulmus americana	25	Yes	FACW	Number of Dominant Species		
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC:	5 (A)	
3. Fraxinus pennsylvanica	60	Yes	FACW	Total Number of Dominant		
4. Salix alba			FACW	Species Across All Strata:	5 (B)	
5. Acer rubrum	3	No	FAC	Percent of Dominant Species		
6. Acer saccharinum		,	FACW	That Are OBL, FACW, or FAC:	100.0% (A/B)	
7. Alnus glutinosa			FACW	Prevalence Index worksheet:		
	88	=Total Cover		Total % Cover of: N	/ultiply by:	
Sapling/Shrub Stratum (Plot size: 15 by 20')		•		<del></del>	·	
1. Cornus sericea			FACW	FACW species x 2 =		
2. Acer rubrum			FAC	FAC species x 3 =		
3. Fraxinus pennsylvanica			FACW	FACU species x 4 =		
4. Lonicera tatarica			FACU	UPL species x 5 =		
5. Salix alba			FACW	Column Totals: (A)	(B)	
6. Alnus glutinosa			FACW	Prevalence Index = B/A =		
7. Populus deltoides			FAC	Hydrophytic Vegetation Indicators	<u></u>	
		=Total Cover		1 - Rapid Test for Hydrophytic V		
Herb Stratum (Plot size: 10 by 15' )		•		X 2 - Dominance Test is >50%	3	
Phragmites australis			FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide support		
Artemisia vulgaris			FACW	data in Remarks or on a separate sheet)		
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegeta	ition <sup>1</sup> (Explain)	
5. Typha angustifolia			OBL	<del>                                   </del>		
6. Impatiens capensis	20	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or probl		
7. Urica dioica	35	Yes	FAC	Definitions of Vegetation Strata:		
8. Geranium bicknellii			FACW		<b></b>	
9. Iris versicolor			FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) of diameter at breast height (DBH), reg		
10. Equisetum arvense			FACW		_	
11. Equisetum hyemale			FACW	Sapling/shrub – Woody plants less and greater than or equal to 3.28 ft (		
12. Toxicodendron radicans			FAC	, ,	,	
	55	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) of size, and woody plants less than 3		
Woody Vine Stratum (Plot size: )						
1. Vitis riparia	15	Yes	FAC	<b>Woody vines</b> – All woody vines greatheight.	ater than 3.28 ft in	
			1710	noign.		
3.	-			Hydrophytic		
4.				Vegetation Present? Yes X No	~	
4.	15	=Total Cover		Present? Yes X No	<b>'</b> —	
Remarks: (Include photo numbers here or on a sepa		-				

US Army Corps of Engineers

SOIL Sampling Point W7-Wet-1

(inches)	Matrix Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 4/2	100					Loamy/Clayey	
4-8	10YR 3/1	85	10YR 5/4	15	С	M	Loamy/Clayey	
8-16	7.5YR 4/1	90	10YR 4/4	10	С		Loamy/Clayey	Clay loam
0 10	7.011(4/1		1011(4/4				<u> Loumy/olayey</u>	Olay loan
¹Type: C=Co	oncentration, D=Depl	etion. RM	 I=Reduced Matrix. M	IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=	=Pore Lining, M=Matrix.
Hydric Soil								r Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		k (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B					irie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surfa					ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	l Layers (A5)	(011)	Loamy Mucky I			R K, L)		Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12) lucky Mineral (S1)		X Depleted Matrix Redox Dark Su		·6)			Floodplain Soils (F19) ( <b>MLRA 149B</b> ) odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Sleyed Matrix (S4)		Depleted Dark		-			nt Material (F21)
	ledox (S5)		Redox Depress					low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			plain in Remarks)
	rface (S7)			, ,				,
3Indicators of	f budranbutia vagatati	ion and w	rational budgalagu mu	at ba ni	rocent ur	alaaa diat	urbed or problematic.	
	Layer (if observed):	ion and w	etiand hydrology mu	ist be pi	esent, ui	iless dist	urbed or problematic.	
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes X No
-1 (								
Remarks:								

		y: Herkimer	Sampling Date: 10/21/19				
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W7-Up-1						
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler						
Landform (hillside, terrace, etc.): hillside	Local relief (concave, convex, none): convex Slope %:						
	.at: 43.06806491	Long: -75.11028259	Datum: WGS 84				
Soil Map Unit Name: Wayland Soils Complex (Wd)		NWI classification:					
	for this time of year?						
Are climatic / hydrologic conditions on the site typical Are Vegetation, Soil, or Hydrology	-	Yes X No (If no,  Are "Normal Circumstances" pres	explain in Remarks.)				
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in					
SUMMARY OF FINDINGS – Attach site m	<del></del>		•				
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area					
Hydric Soil Present? Yes		Wetland? Yes	No X				
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:					
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)				
Primary Indicators (minimum of one is required; chec	ck all that apply)	Surface Soil Crack	s (B6)				
Surface Water (A1)	/ater-Stained Leaves (B9)	Drainage Patterns	(B10)				
High Water Table (A2)	quatic Fauna (B13)	Moss Trim Lines (I	316)				
<u>—</u>	arl Deposits (B15)	Dry-Season Water					
<u>—</u>	ydrogen Sulfide Odor (C1)	Crayfish Burrows (	•				
<u> </u>	xidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)				
<u>—</u>	resence of Reduced Iron (C4)	Stunted or Stresse					
<del></del> -	ecent Iron Reduction in Tilled Soils						
<del></del> -	hin Muck Surface (C7)	Shallow Aquitard (	•				
	ther (Explain in Remarks)	Microtopographic F					
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)				
Field Observations:							
Surface Water Present? Yes No	· · · /						
	X Depth (inches):						
Saturation Present? Yes No	X Depth (inches):	Wetland Hydrology Present?	Yes No _X				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspe	ctions), if available:					
Remarks: upslope/hillside from edge of Wetland W7/W7-Wet-1	1 sampling point						
apsopermiside nom edge of vvetiand vv//vv/-vvet-	і запіршіў роші						

<u>Tree Stratum</u> (Plot size:15 by 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Rhamnus cathartica	15	Yes	FACU	Number of Deminant Covering			
2. Crataegus monogyna			FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)			
3. Platanus occidentalis	-	-	FACU				
4. Carya glabra	35	Yes	FACU	Total Number of Dominant Species Across All Strata: 5 (B)			
5. Fraxinus americana	-	-	FACU	· ` ′			
6. Populus deltoides	15	Yes	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B			
7. Acer negundo			FAC	Prevalence Index worksheet:			
	65	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 by 20'	)			OBL species 0 x1 = 0			
1. Rhamnus cathartica	, 15	Yes	FAC	FACW species 0 x 2 = 0			
2. Lonicera tatarica	<del></del>	-	FACU	FAC species 30 x 3 = 90			
3. Fraxinus americana			FACU	FACU species 55 x 4 = 220			
4.				UPL species 0 x 5 = 0			
5. Acer saccharum			FACU	Column Totals: 85 (A) 310 (B			
6. Lindera benzoin			FACW	Prevalence Index = B/A = 3.65			
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 10 by 15' )		rotal Gover		2 - Dominance Test is >50%			
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Toxicodendron radicans	-		UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin			
3. Plantago major	-		FACU	data in Remarks or on a separate sheet)			
4. Phalaris arundinacea	-		FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Phragmites australis	-		FACW	<u> </u>			
5. Solidago canadensis	-	-	FACU	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>			
7. Artemisia vulgaris	-	-	UPL	Definitions of Vegetation Strata:			
3. Trifolium repens			FACU				
D. Dactyis glomerata	-	-	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height			
10. Parthenocissus quinquefolia	5	Yes	FACU				
11. Taraxacum officinale		103	FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Daucus carota			UPL	and greater than or equal to 3.20 it (1 iii) tail.			
12. Daucus carota	5	=Total Cover	UPL	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:	)			Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2							
3.				Hydrophytic Vegetation			
				Present? Yes No X			
4		=Total Cover					

SOIL Sampling Point W7-Up-1

	-	o the de				itor or co	onfirm the absence of in	dicators.)	
Depth	Matrix	0/		x Featur		1 2	T 4	Damada	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	<del></del>
0-2	7.5YR 2.5/1	100						dark silt loa	am
2-8	7.5YR 3/1	100							
8-16	10YR 3/3	100						sandy loar	m
Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		ore Lining, M=Matri:	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		A10) (LRR K, L, ML	
	ipedon (A2)		MLRA 149B		, , ,	,		e Redox (A16) ( <b>LRR</b>	
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	MLRA 1	<b>49B</b> ) 5 cm Mucky	Peat or Peat (S3) (I	LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue B	elow Surface (S8) ( <b>L</b>	.RR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b>	R K, L)	Thin Dark S	urface (S9) ( <b>LRR K</b> ,	L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mangar	ese Masses (F12) (	LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont FI	oodplain Soils (F19)	(MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su					c (TA6) ( <b>MLRA 144</b>	A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)	
	edox (S5)		Redox Depress		8)			v Dark Surface (F22	)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Expla	in in Remarks)	
Dark Sur	face (S7)								
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.		
Restrictive L	ayer (if observed):								
Type:									
	iches):						Hydric Soil Present?	Yes	No X
Remarks:									

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: w7-Wet-2
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): historical streambed/ditchline Local i	relief (concave, convex, none): concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.06728856	Long: -75.11060008 Datum: WGS 84
Soil Map Unit Name: Wayland Soils Complex (Wd)	NWI classification: PFO/PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X Water-Stained Leaves (E	Surface Soil Cracks (B6)  B9) X Drainage Patterns (B10)
X High Water Table (A2)  X Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)  Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	with the first of the second s
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
within historical stream channel/ditchline of Wetland W7 wetland complex	

<b>EGETATION</b> – Use scientific names of pla	มาเธ.			Sampling l	Point: W7-Wet-2	
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Ulmus americana	5	No	FACW	Number of Dominant Species		
2. Ostrya virginiana			FACU	That Are OBL, FACW, or FAC:	4 (A)	
3. Fraxinus pennsylvanica	35	Yes	FACW	Total Number of Dominant		
4. Salix alba			FACW	Species Across All Strata:	5(B)	
5. Acer rubrum	5	No	FAC	Percent of Dominant Species		
6. Acer saccharinum		,	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:	: 80.0% (A/B)	
7. Alnus glutinosa			FACW	Prevalence Index worksheet:		
	45	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15 by 20' )		•		OBL species	x 1 =	
1. Cornus sericea			FACW	FACW species	x 2 =	
2. Acer rubrum			FAC	FAC species	x 3 =	
3. Fraxinus pennsylvanica			FACW	FACU species	x 4 =	
4. Lonicera tatarica	5	Yes	FACU	UPL species	x 5 =	
5. Salix alba			FACW	Column Totals:	(A) (B)	
6. Alnus glutinosa		,	FACW	Prevalence Index = B/A		
7. Populus deltoides		,	FAC	Hydrophytic Vegetation Indic		
	5	=Total Cover		1 - Rapid Test for Hydroph		
Herb Stratum (Plot size: 10 by 15' )		•		X 2 - Dominance Test is >50		
Phragmites australis			FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phalaris arundinacea			FACW	4 - Morphological Adaptation		
Artemisia vulgaris			FACW	data in Remarks or on a separate sheet)		
4. Onoclea sensibilis	20	Yes	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
Typha angustifolia			OBL	<u> </u>		
6. Impatiens capensis	40	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Urica dioica	20	Yes	FAC	Definitions of Vegetation Stra		
Geranium bicknellii	5	No	FACW			
9. Iris versicolor		110	FACW	<b>Tree</b> – Woody plants 3 in. (7.6 diameter at breast height (DBF		
			FACW	Clameter at preast neight (DD)	I), regardiess of fielgin.	
10. Equisetum arvense	-			Sapling/shrub – Woody plants and greater than or equal to 3.3		
11. Equisetum hyemale			FACW	and greater than or equal to 3	28 π ( i m) taii.	
12. Toxicodendron radicans		Total Cause	FAC	Herb – All herbaceous (non-wo		
W	85	=Total Cover		of size, and woody plants less	than 3.28 ft taii.	
Woody Vine Stratum (Plot size:)			=40	Woody vines – All woody vine	s greater than 3.28 ft in	
1. Vitis riparia			FAC	height.		
2.				Hydrophytic		
3.				Vegetation		
4				Present? Yes X	No	
		=Total Cover				

SOIL Sampling Point W7-Wet-2

Profile Desc Depth	cription: (Describe to Matrix	to the de	-	<b>ument tl</b> x Featur		ator or co	onfirm the absence of indicate	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 4/2	100					Loamy/Clayey	
6-16	10YR 3/1	80	10YR 7/6	20	С	М	Loamy/Clayey	
0-10	10111 3/1		1011(1/10				Loamyrolaycy	
1Type: C=C	oncentration, D=Depl	letion RN	4-Reduced Matrix M	M-2N	ked Sand		<sup>2</sup> Location: PL=Pore L	ining M-Matrix
Hydric Soil		ellon, ixi	i-Reduced Matrix, IV	IO-IVIAS	Neu San	d Grains.		ematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (	LRR R,		(LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		, , ,	•		dox (A16) ( <b>LRR K, L, R</b> )
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	5 cm Mucky Peat	t or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky			R K, L)		e (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matrix		-c)			lain Soils (F19) (MLRA 149B)
	lucky Mineral (S1) sleyed Matrix (S4)		Redox Dark Su Depleted Dark		-		Red Parent Mater	A6) ( <b>MLRA 144A, 145, 149B</b> )
	ledox (S5)		Redox Depress				Very Shallow Dar	
	Matrix (S6)		Marl (F10) ( <b>LR</b>		-,		X Other (Explain in	
	rface (S7)							•
	, , , ,		vetland hydrology mu	ıst be pr	resent, ui	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:							-	

Applicant/Owner   The Welfands Trust, Inc.   State: No   Sampling Point: W7-Up-2	Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 10/21/19				
Landform (hilliside, terrace, etc.): hilliside	Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W7-Up-2				
Landform (hilliside, terrace, etc.): hilliside	Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	f Schuyler				
Soil Map Unit Name: Wayland Soils Complex (Wd)  Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation Soil, or Hydrology significantly disturbed?  Are "Normal Circumstances" present?								
Soil Map Unit Name: Wayland Soils Complex (Wd)  Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation Soil, or Hydrology significantly disturbed?  Are "Normal Circumstances" present?		•	· -					
Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No network yes and the present of t			_	<del></del>				
Are Vegetation, Soil, or Hydrology								
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present?		•						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland? Yes No X Surface Soil Cracks (B6)  Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) Moss Trim Lines (B16)  Saturation (A3) Amarity Marer Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)  Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)  Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)  Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)  Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)  Iron Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)  Spansely Vegetated Concave Surface (B8) FIGURE (Explain in Remarks) Microtopographic Relief (D4)  Spansely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)  Field Observations:  Water Table Present? Yes No X Depth (inches):  Wetland Hydrology Present? Yes No X Depth (inches):								
HYDROLOGY  Wetland Hydrology Present? Yes No X If yes, optional Wetland? Yes No X  Wetland Hydrology Present? Yes No X  If yes, optional Wetland Site ID:  Wetland Hydrology Indicators:  Frimary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)  Surface Water (A1)  Water-Stained Leaves (B9)  Sulface Water (A1)  Mari Deposits (B15)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  Sparsely Vegetated Concave Surface (B8)  Sparsely Vegetated Concave Surface (B8)  Surface Water Present?  Yes No X  Depth (inches):  Water Marks:  Wetland Hydrology Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No X  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<del></del>		,	•				
HYDROLOGY  Wetland Hydrology Present? Yes No X If yes, optional Wetland? Yes No X  HYDROLOGY  Wetland Hydrology Indicators:  Frimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  Water-Stained Leaves (B9)  Saturation (A3)  Mail Deposits (B15)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Solis (C6)  Iron Deposits (B5)  Iron Deposits (B5)  Iron Deposits (B7)  Iron Deposits (B8)  Presence of Reduced Iron (C4)  Sparley Vegetated Concave Surface (B8)  Sparsely Vegetated Concave Surface (B8)  Surface Water Present?  Yes No X  Depth (inches):  Water Marks:  Wetland Hydrology Present?  Yes No X  Depth (inches):  Water Marks (B7)  Shallow Aquitard (D3)  Iron Deposits (B8)  Presence of Reduced Iron (C4)  Sparsely Vegetated Concave Surface (B8)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes No X  Depth (inches):  Water Table Present?  Yes No X  Depth (inches):  Wetland Hydrology Present?  Yes No X  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Hydronhytic Vegetation Present? Ves	No X Is the S:	empled Area					
Mytham   Mythology Present?   Yes   No   X   If yes, optional Wetland Site ID:				No X				
HYDROLOGY   Wetland Hydrology Indicators:   Secondary Indicators (minimum of two required)   Surface Soil Cracks (B6)   Surface Water (A1)   Water-Stained Leaves (B9)   Drainage Patterns (B10)   High Water Table (A2)   Aquatic Fauna (B13)   Moss Trim Lines (B16)   Saturation (A3)   Hydrogen Sulfide Odor (C1)   Crayfish Burrows (C8)   Sediment Deposits (B2)   Oxidized Rhizospheres on Living Roots (C3)   Saturation Visible on Aerial Imagery (C9)   Drift Deposits (B3)   Presence of Reduced Iron (C4)   Stunted or Stressed Plants (D1)   Iron Deposits (B5)   Thin Muck Surface (C7)   Shallow Aquitard (D3)   Inundation Visible on Aerial Imagery (B7)   Other (Explain in Remarks)   Microtopographic Relief (D4)   FAC-Neutral Test (D5)   FaC-Neutral Test (D5)   Sutratoen Present?	<u> </u>	<del></del> _		<u></u>				
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?       Yes       No       X         Saturation Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?	Remarks: (Explain alternative procedures here or in	n a separate report.)						
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?       Yes       No       X         Saturation Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?								
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?       Yes       No       X         Saturation Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?								
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?       Yes       No       X         Saturation Present?       Yes       No       X       Depth (inches):       Wetland Hydrology Present?								
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Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)  Surface Water (A1)  Water-Stained Leaves (B9)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Saturation (A3)  Moss Trim Lines (B16)  Saturation (A3)  Marl Deposits (B15)  Dry-Season Water Table (C2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Stunted or Stressed Plants (D1)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  Geomorphic Position (D2)  Iron Deposits (B5)  Thin Muck Surface (C7)  Shallow Aquitard (D3)  Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remarks)  Microtopographic Relief (D4)  Sparsely Vegetated Concave Surface (B8)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  Gaturation Present? Yes No X Depth (inches):  Wetland Hydrology Present? Yes No X Depth (inches):  Remarks:			Secondary Indicators (	minimum of two required)				
Surface Water (A1)	1	eck all that apply)	· · · · · · · · · · · · · · · · · · ·					
High Water Table (A2) Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface Water Present? Water Table (A2)  Aquatic Fauna (B13) Morst Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Sparsely Vegetated Concave Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)  Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X  Includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				, ,				
Saturation (A3)	<del></del>							
Water Marks (B1)	<del></del>			•				
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Field Observations:  Surface Water Present? Yes No X Depth (inches):  Saturation Present? Yes	<u> </u>							
Drift Deposits (B3)	<u> </u>			•				
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)  Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)  Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)  Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<u> </u>		· · ·					
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)  Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<u> </u>							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)  Sparsely Vegetated Concave Surface (B8)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  Wetland Hydrology Present? Yes No X (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<del></del>							
Sparsely Vegetated Concave Surface (B8)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:	<del></del>			•				
Field Observations:  Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		raie. (2/p/aii. iii teinaile)						
Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		1		()				
Water Table Present? Yes No X Depth (inches):  Saturation Present? Yes No X Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		X Denth (inches):						
Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:								
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:			Watland Hydrology Present?	Vos No Y				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		Deptir (inches).	Wedana Hydrology Fresent:	165 NOX				
Remarks:		ـــــــــــــــــــــــــــــــــــــ	 ctions). if available:					
		, , , , , , , , , , , , , , , , , , , ,	,,					
upslope from edge of Wetland W7/W7-Wet-2 sampling point	Remarks:							
	upslope from edge of Wetland W7/W7-Wet-2 samp	ling point						

T 0/ / (DI / : 451 00)	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:			
1. Rhamnus cathartica			FACU	Number of Dominant Species			
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC:1 (A)			
3. Tilia americana	50	Yes	FACU	Total Number of Dominant			
4. Carya glabra			FACU	Species Across All Strata: 6 (B)			
5. Fraxinus americana			FACU	Percent of Dominant Species			
6. Populus deltoides			FAC	That Are OBL, FACW, or FAC: 16.7% (A/B)			
7. Acer negundo			FAC	Prevalence Index worksheet:			
	50	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 by 20' )				OBL species 0 x 1 = 0			
1. Rhamnus cathartica	15	Yes	FAC	FACW species 0 x 2 = 0			
2. Lonicera tatarica			FACU	FAC species15 x 3 =45			
3. Fraxinus americana	15	Yes	FACU	FACU species 80 x 4 = 320			
4.				UPL species25 x 5 =125			
5. Acer saccharum			FACU	Column Totals: 120 (A) 490 (B)			
6. Lindera benzoin			FACW	Prevalence Index = B/A = 4.08			
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:			
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 10 by 15')				2 - Dominance Test is >50%			
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Toxicodendron radicans	10	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Plantago major			FACU	data in Remarks or on a separate sheet)			
4. Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Phragmites australis			FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
6. Solidago canadensis		· <u></u>	FACU	be present, unless disturbed or problematic.			
7. Artemisia vulgaris	15	Yes	UPL	Definitions of Vegetation Strata:			
8. Trifolium repens		· <u></u>	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in			
9. Dactyis glomerata			FACU	diameter at breast height (DBH), regardless of height.			
10. Parthenocissus quinquefolia			FACU	Canling Jahruh Waady planta loop than 2 in DDII			
11. Taraxacum officinale			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Alliaria petiolata	15	Yes	FACU	Horb. All harbaccaus (non woods) plants regardless			
	40	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: )		•		Mandaudinas Allumaduudinas mastanthan 2 20 ft in			
1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
3.				Hydrophytic			
4.				Vegetation           Present?         Yes         No _ X _			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	rate sheet )						
Tremaiks. (include proto numbers here of on a separ	ate sneet.)						

Sampling Point: W7-Up-2

SOIL Sampling Point W7-Up-2

(inches) Color (moist) % Color (moist) % Type Loc* Texture Remarks  0-2 10YR 2/1 100	Depth	Matrix			k Featur					
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	KS
**Interview of the strategy of	0-2	10YR 2/1	100						dark sandy	loam
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pl=Pore Lining, M=Matrix.  Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A2) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F3) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Redox Dark Surface (F7) Sandy Redox (S5) Stripped Matrix (S4) Dark Surface (F7) Stripped Matrix (S6) Mari (F10) (LRR K, L) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Mari (F10) (LRR K, L) Dark Surface (F7) Stripped Matrix (S6) Mari (F10) (LRR K, L) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Mari (F10) (LRR K, L) Dark Surface (F7) Mari (F10) (LRR K, L) Dark Surface (F7) Mari (F10) (LRR K, L) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Mari (F10) (LRR K, L) Dark Surface (F7) Dark Surface (F7) Mari (F10) (LRR K, L)	2-8	7.5YR 3/1	100							
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pl=Pore Lining, M=Matrix.  Hydric Soil Indicators: Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) High Chroma Sands (S11) (LRR R, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Ox Dark Surface (F7) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7) Mari (F10) (LRR K, L) Depleted Dark Surface (F7) Stripped Matrix (S6) Dark Surface (S7)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No X	8-16	10YR 3/2	100							
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Histic Epipedon (A2)  MLRA 149B)  Polyvalue Below Surface (S8) (LRR R,  Delta 149B)  MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Su										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Su		-								
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Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Stripped Matrix (S6) Dark Surface (S7)  Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Su										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Histic Epipedon (A2)  MLRA 149B)  Polyvalue Below Surface (S8) (LRR R,  Delta 149B)  MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Histic Epipedon (A2)  MLRA 149B)  Polyvalue Below Surface (S8) (LRR R,  Delta 149B)  MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present?  Yes No X										
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Hydric Soil Present?  Yes No X										
Histosol (A1)	Type: C=C	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.			
Histic Epipedon (A2)  MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Depleted Dark Surface (F7)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Depleted Dark Surface or present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes No X	-								-	
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1491 (F3) Mesic Spodic (TA6) (MLRA 144A, 145, 1495 (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X				<del></del> ·		ce (S8) (	LRR R,			· ·
Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (S9) (LRR K, L)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Iron-Manganese Masses (F12) (LRR K, L, R)  Thick Dark Surface (A12)  Depleted Matrix (F3)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Pichnon-Manganese Masses (F12) (LRR K, L, R)  Piedmont Floodplain Soils (F19) (MLRA 149)  Mesic Spodic (TA6) (MLRA 144A, 145, 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Dark Surface (S7)  Piedmont Floodplain Soils (F19) (MLRA 149)  Mesic Spodic (TA6) (MLRA K, L)  Depth (inches):  Type:  Depth (inches):  Hydric Soil Present?  Yes No X						(LRR R	. MLRA 1			•
Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Depleted Dark Surface (F6)  Mesic Spodic (TA6) (MLRA 144A, 145, 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Mesic Spodic (TA6) (MLRA 144A, 145, 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Red Parent Material (F21)  Piedmont Floodplain Soils (F19) (MLRA 149E)  Piedmont Floodplain Soi		,								
Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox Dark Surface (F6)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Dark Surface (S7)  Redox Depressions (F8)  Other (Explain in Remarks)  All Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X	Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dark S	Surface (S9) ( <b>LRR</b> I	<b>(, L</b> )
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149E Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7)  Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X			(A11)			F2)				
Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X						.0)				
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type:  Depth (inches): Hydric Soil Present? Yes No X						-				4A, 145, 149B
Stripped Matrix (S6)										22)
Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X					,	<i>o</i> ,			•	- <b>-</b> )
Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X					, –,				,	
Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X										
Type:		, , , ,	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.		
Depth (inches): Hydric Soil Present? Yes No X		Layer (if observed):								
	• • • • • • • • • • • • • • • • • • • •	nchos):						Hydric Soil Brosont?	Vos	No. Y
Remarks:				<del></del>				nyuric Soil Present?		NO A
	Remarks:									

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W7-Wet-3
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): ditchline in hedgerow Local in	relief (concave, convex, none): concave Slope %: _ 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.06788293	Long: -75.11349215 Datum: WGS 84
Soil Map Unit Name: Wayland Soils Complex (Wd)	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (B12)	
X High Water Table (A2) X Aquatic Fauna (B13) X Output for (A2)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	
Sediment Deposits (B2)  Oxidized Rhizospheres of Parlament Level 1 and 1	
Drift Deposits (B3)Presence of Reduced Iro	<u> </u>
Algal Mat or Crust (B4)  Recent Iron Reduction in Thin Music Surface (C7)	
Iron Deposits (B5)  Thin Muck Surface (C7)  Other (Evelopin in Removal	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks: ditchline within easternmost hedgerow of Wetland W7 wetland complex	
ditchille within easternmost nedgerow of vveiland vv7 welland complex	

<b>/EGETATION</b> – Use scientific names of pla	IIIS.			Sampling Point:	W7-Wet-3	
Tree Stratum (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Ulmus americana	20	Yes	FACW	Number of Dominant Species		
2. Ostrya virginiana	<u> </u>		FACU	That Are OBL, FACW, or FAC:	5 (A)	
3. Fraxinus pennsylvanica	40	Yes	FACW	Total Number of Dominant	<del></del>	
4. Salix alba			FACW	Species Across All Strata:	6 (B)	
5. Acer rubrum			FAC	Percent of Dominant Species		
6. Acer saccharinum			FACW	•	83.3% (A/B)	
7. Alnus glutinosa		·	FACW	Prevalence Index worksheet:		
	60	=Total Cover		Total % Cover of: M	ultiply by:	
Sapling/Shrub Stratum (Plot size:15 by 20')		•		OBL species x 1 =		
1. Cornus sericea			FACW	FACW species x 2 =		
2. Acer rubrum			FAC	FAC species x 3 =		
3. Fraxinus pennsylvanica	15	Yes	FACW	FACU species x 4 =		
4. Lonicera tatarica	20	Yes	FACU	UPL species x 5 =		
5. Salix alba			FACW	Column Totals: (A)	(B)	
6. Alnus glutinosa			FACW	Prevalence Index = B/A =	```	
7. Populus deltoides			FAC	Hydrophytic Vegetation Indicators:		
	35	=Total Cover		1 - Rapid Test for Hydrophytic Ve		
Herb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%	9	
Phragmites australis			FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (P	Provide supporting	
Artemisia vulgaris			FACW	data in Remarks or on a separate sheet)		
Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetat	ion <sup>1</sup> (Explain)	
5. Typha angustifolia			OBL			
6. Impatiens capensis	10	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or proble		
7. Urica dioica	15	Yes	FAC	Definitions of Vegetation Strata:	mado.	
Geranium bicknellii			FACW			
9. Iris versicolor			FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or diameter at breast height (DBH), rega		
10. Equisetum arvense			FACW			
11. Equisetum hyemale			FACW	Sapling/shrub – Woody plants less t and greater than or equal to 3.28 ft (1		
12. Toxicodendron radicans			FAC		,	
12. TOXICOUGHUIOTITAUICANS	30	=Total Cover	IAC	<b>Herb</b> – All herbaceous (non-woody) p of size, and woody plants less than 3.	-	
Woody Vine Stratum (Plot size: )	- 50	- Total Gover		Of Size, and woody plants 1033 than o.	.20 It taii.	
			FAC	Woody vines – All woody vines great	ter than 3.28 ft in	
1. Vitis riparia			FAC	height.		
2		. ——		Hydrophytic		
3.				Vegetation		
4				Present? Yes X No		
		=Total Cover				

US Army Corps of Engineers

SOIL Sampling Point W7-Wet-3

Depth	Matrix			k Featur				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 2/1	100					Loamy/Clayey	
4-8	10YR 4/2	87	10YR 5/1	3	D		Loamy/Clayey	Depletions
			10YR 3/4	10	С			
8-14	2.5Y 5/1	10	2.5Y 5/4	10	<u> </u>		Loamy/Clayey	Distinct redox concentrations
		·						
		·		<u>_</u>				
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RM	=Reduced Matrix, N	1S=Mas	ked San	d Grains.		=Pore Lining, M=Matrix.  r Problematic Hydric Soils³:
Black Hi Hydroge Stratified Pepleted Thick Da Sandy M Sandy G Sandy R Stripped	pipedon (A2)	(A11) -	Polyvalue Belo MLRA 149B Thin Dark Surfi High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) ace (S9) Sands (S Mineral Matrix ( x (F3) urface (F Surface sions (F8)	) (LRR R 611) (LRI (F1) (LR F2) 66)	, MLRA 1 R K, L)	Coast Pra 5 cm Muc Polyvalue Thin Dark Iron-Mang Piedmont Mesic Spo Red Parei Very Shall	k (A10) (LRR K, L, MLRA 149B) hirie Redox (A16) (LRR K, L, R) kky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) ht Material (F21) low Dark Surface (F22) plain in Remarks)
	f hydrophytic vegetation	on and we	etland hydrology mu	ıst be pr	esent, u	nless dist	urbed or problematic.	
Type:	Layer (if observed):							
Depth (ir	nches):						Hydric Soil Present	? Yes X No
Remarks:	<u> </u>							

Project/Site: Mohawk SA	City/County	y: Herkimer	Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W7-Up-3
Investigator(s): Colin Diehl/Travis Money	Se	ection, Township, Range: Town o	f Schuyler
Landform (hillside, terrace, etc.): none		ve, convex, none):	Slope %: 0-3
Subregion (LRR or MLRA): LRR L	Lat: 43.0674941	Long: -75.11355304	Datum: WGS 84
Soil Map Unit Name: Wayland Soils Complex (W	-	NWI classification:	
Are climatic / hydrologic conditions on the site typi	,		explain in Remarks.)
Are Vegetation, Soil, or Hydrology	·	Are "Normal Circumstances" pres	
Are Vegetation, Soil, or Hydrology	· · · · · · · · · · · · · · · · · · ·	(If needed, explain any answers ir	
SUMMARY OF FINDINGS – Attach site		,	•
Hydrophytic Vegetation Present? Yes	s No X Is the Sa	impled Area	
Hydric Soil Present? Yes		Wetland? Yes	No X
Wetland Hydrology Present? Yes		tional Wetland Site ID:	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)
Primary Indicators (minimum of one is required; of		Surface Soil Crack	, ,
Surface Water (A1)	_ Water-Stained Leaves (B9)	Drainage Patterns	
High Water Table (A2)	_Aquatic Fauna (B13)	Moss Trim Lines (E	•
Saturation (A3)	_Marl Deposits (B15)	Dry-Season Water	
Water Marks (B1)	_ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	· · ·	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	(C6) Geomorphic Positi Shallow Aquitard (	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic F	•
Sparsely Vegetated Concave Surface (B8)	_ Curer (Explain in recinaries)	FAC-Neutral Test	
Field Observations:		1710 Noutai 1001	(50)
	X Depth (inches):		
<u> </u>	Depth (inches):  Depth (inches):		
	X Depth (inches):	Wetland Hydrology Present?	Yes No X
(includes capillary fringe)			<u></u>
Describe Recorded Data (stream gauge, monitor	ng well, aerial photos, previous inspec	ctions), if available:	
, ,		,	
D			
Remarks: along ag field edge, slightly upslope from edge of	Wetland W7/W7-Wet-3 sampling poi	nt	

Tree Otractions (Distraction 45 los 00)	Absolute	Dominant	Indicator	Barriago Tantarado hasta			
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:			
1. Rhamnus cathartica			FACU	Number of Dominant Species			
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC:1 (A)			
3. <u>Tilia americana</u>			FACU	Total Number of Dominant			
4. Carya glabra			FACU	Species Across All Strata: 4 (B)			
5. Fraxinus americana	15	Yes	FACU	Percent of Dominant Species			
6. Populus deltoides			FAC	That Are OBL, FACW, or FAC:25.0%(A/B)			
7. Acer negundo			FAC	Prevalence Index worksheet:			
	15	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species0 x 1 =0			
1. Rhamnus cathartica			FAC	FACW species 0 x 2 = 0			
2. Lonicera tatarica			FACU	FAC species15 x 3 =45			
3. Fraxinus americana	15	Yes	FACU	FACU species 40 x 4 = 160			
4				UPL species 50 x 5 = 250			
5. Acer saccharum			FACU	Column Totals: 105 (A) 455 (B)			
6. Lindera benzoin			FACW	Prevalence Index = B/A = 4.33			
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 10 by 15' )				2 - Dominance Test is >50%			
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Toxicodendron radicans		·	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Plantago major			FACU	data in Remarks or on a separate sheet)			
4. Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Phragmites australis			FACW	Indicators of hydric coil and watland hydrology must			
6. Solidago canadensis	10	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Artemisia vulgaris	50	Yes	UPL	Definitions of Vegetation Strata:			
8. Trifolium repens			FACU				
9. Dactyis glomerata			FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10. Parthenocissus quinquefolia			FACU				
11. Taraxacum officinale			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Equisetum arvense	15	Yes	FAC				
	75	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: )				, , , , , ,			
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
2				neight.			
2				Hydrophytic			
				Vegetation Present? Yes No X			
4.		=Total Cover		Present? Yes No X			
Remarks: (Include photo numbers here or on a separate or	rate sheet.)						

Sampling Point:

W7-Up-3

SOIL Sampling Point W7-Up-3

		o the de				tor or co	onfirm the absence of i	ndicators.)	
Depth (inches)	Matrix Color (moist)	%		x Featur		Loc <sup>2</sup>	Toyturo	Pomor	ko
(inches)	Color (moist)	<del>%</del>	Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remar	KS
0-6	7.5YR 2.5/1	100						silty loam with s	some sand
6-14	7.5YR 3/1	100							
<sup>1</sup> Type: C=Co	ncentration, D=Deple	ation RM	1-Reduced Matrix N	 1S-Mac	ked Sand	Craine	<sup>2</sup> Location: PL-	=Pore Lining, M=Ma	triv
Hydric Soil I		suon, raiv	i-iteduced Matrix, it	/IO-IVIAS	Red Sand	Oranis.		Problematic Hydri	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,		k (A10) ( <b>LRR K, L, N</b>	
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast Prai	irie Redox (A16) ( <b>LR</b>	RR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	MLRA 1	<b>49B</b> ) 5 cm Mucl	ky Peat or Peat (S3)	(LRR K, L, R)
	n Sulfide (A4)		High Chroma S				Polyvalue	Below Surface (S8)	(LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR I	
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			anese Masses (F12	
	rk Surface (A12)		Depleted Matri		-0)			Floodplain Soils (F1	
	ucky Mineral (S1) leyed Matrix (S4)		Redox Dark Su Depleted Dark					odic (TA6) ( <b>MLRA 1</b> 4 nt Material (F21)	14A, 145, 149B)
	edox (S5)		Redox Depress					ow Dark Surface (F2	22)
	Matrix (S6)		Marl (F10) (LR		<i>-</i> ,			olain in Remarks)	/
Dark Sur				, ,			` '	,	
		on and w	etland hydrology mu	ust be pr	esent, ur	iless dist	urbed or problematic.		
	.ayer (if observed):								
Type:									
Depth (in	ches):						Hydric Soil Present	? Yes	NoX
Remarks:	6.11								
edge of tilled	ag field								

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W7-Wet-4
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.):	Local relief (concave, convex, none): none Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.0	
Soil Map Unit Name: Wayland Soils Complex (Wd)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, SoilX, or Hydrologysign	
Are Vegetation , Soil , or Hydrology natu	<del></del>
<u> </u>	owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	
Wetland Hydrology Present? Yes X No	<del></del>
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all tha	
	ned Leaves (B9) X Drainage Patterns (B10)
X High Water Table (A2) X Aquatic Fa	
X Saturation (A3)Marl Depoi	
<del></del>	Sulfide Odor (C1) Crayfish Burrows (C8)
<u> </u>	thizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
<del></del>	of Reduced Iron (C4)  Stunted or Stressed Plants (D1)
<del></del>	n Reduction in Tilled Soils (C6)  X Geomorphic Position (D2)
<del></del>	Surface (C7) Shallow Aquitard (D3)
	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
	epth (inches): 1
	epth (inches):
	epth (inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aer	al photos, previous inspections), if available:
Remarks:	
depressional areas extending from ditchline into easternmost	ag fields (east/west of nedgerow)

Tree Stratum (Plot size: 15 by 30' )  1. Ulmus americana  2. Ostrya virginiana	Absolute % Cover 20	Dominant Species?	Indicator Status	Dominance Test worksheet:
2. Ostrya virginiana	20		Otatas	Dominance rest worksheet.
		Yes	FACW	Number of Dominant Species
3. Fraxinus pennsylvanica			FACU	That Are OBL, FACW, or FAC:6 (A)
	40	Yes	FACW	Total Number of Dominant
4. Salix alba			FACW	Species Across All Strata: 7 (B)
5. Acer rubrum			FAC	Percent of Dominant Species
6. Acer saccharinum			FACW	That Are OBL, FACW, or FAC: 85.7% (A/B)
7. Alnus glutinosa			FACW	Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15 by 20')				OBL species x 1 =
1. Cornus sericea			FACW	FACW species x 2 =
2. Acer rubrum			FAC	FAC species x 3 =
3. Fraxinus pennsylvanica	15	Yes	FACW	FACU species x 4 =
4. Lonicera tatarica	20	Yes	FACU	UPL species x 5 =
5. Salix alba			FACW	Column Totals: (A) (B)
6. Alnus glutinosa			FACW	Prevalence Index = B/A =
7. Populus deltoides			FAC	Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15' )				X 2 - Dominance Test is >50%
1. Phragmites australis			FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Artemisia vulgaris			FACW	data in Remarks or on a separate sheet)
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Bidens vulgata	10	No	FAC	<del>                                   </del>
6. Impatiens capensis			FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Urica dioica			FAC	Definitions of Vegetation Strata:
8. Geranium bicknellii	10	No	FACW	
9. Lythrum salicaria	35	Yes	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. Equisetum arvense	15	Yes	FACW	
11. Equisetum hyemale		<u> </u>	FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12. Toxicodendron radicans			FAC	
12. TOMOGRAMON ASSESSED	85	=Total Cover	17.12	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )		-10161 -1		
1. Vitis riparia			FAC	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No No
<del></del>		=Total Cover		

SOIL Sampling Point W7-Wet-4

Color (moist)   %   Color (moist)   %   Type¹   Loc²   Texture   F	emarks
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  1 Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Thin Dark Surface (S8) (LRR R, 2 cm Muck (A10) (LRR I)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Goast Prairie Redox (A1 5 cm Mucky Peat or Peat Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Thin Dark Surface (A11)  Loamy Mucky Mineral (F1) (LRR K, L)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Redox (A12)  Sandy Redox (A12)  Sandy Redox (A12)  Sandy Redox (A12)  Sandy Redox (S5)  Redox Depressions (F8)  Sandy Redox (S5)  Are dox Depressions (F8)  Dark Surface (S7)  3 Indicators of Problematic	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pdric Soil Indicators: Histic Epipedon (A2) Black Histic (A3) High Capital High Chroma Sands (S11) (LRR K, L) High Capital Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (S9) Depleted Below Dark Surface (S9) Depleted Below Dark Surface (S9) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F2) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L)  Dark Surface (S9)  Pidmont Floodplain So Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L)  Dark Surface (S7)  Pidmicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type:	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Coast Prairie Redox (A1  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Polyvalue Below Surface  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  X Depleted Matrix (F3)  Piedmont Floodplain Soi  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Mesic Spodic (TA6) (ML  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface  Stripped Matrix (S6)  Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Polyvalue Below Surface (S8) (LRR R,  Indicators for Problematic  Coast Prairie Redox (A1  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Polyvalue Below Surface  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  X Depleted Matrix (F3)  Piedmont Floodplain Soi  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Mesic Spodic (TA6) (ML  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface  Stripped Matrix (S6)  Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S8) (LRR R,  Polyvalue Below Surface (S9) (LRR R, MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Thin Dark Surface (Problematic (Prob	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR I Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A1 Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Pea Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Pea Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Pea Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (A12) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain So Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (ML Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F2 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (S7) Stripped Matrix (S6) Marl (F10) (LRR K, L) X Other (Explain in Remar Dark Surface (S7)	
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Pear Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soil Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (ML Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F2 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) X Other (Explain in Remar Dark Surface (S7)  **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**  **Restrictive Layer (if observed): Type:	•
Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thin Dark Surface (S9) (  Iron-Manganese Masses  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1) (LRR K, L)  Thin Dark Surface (S9) (  Iron-Manganese Masses  Redox Dark Surface (F6)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Red Parent Material (F2)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  And (F10) (LRR K, L)  Thin Dark Surface (S9) (  Iron-Manganese Masses  Piedmont Floodplain Soi  Mesic Spodic (TA6) (ML  Red Parent Material (F2)  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface (F7)  Dark Surface (S7)  And (F10) (LRR K, L)  Type:  Type:	· ·
Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thin Dark Surface (S9) (  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  SIndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	
Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Iron-Manganese Masses Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depleted Dark Surface (F7)  Red Parent Material (F2)  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface (S7)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  John Time Ton-Manganese Masses  Piedmont Floodplain Sol  Mesic Spodic (TA6) (ML  Red Parent Material (F2)  Sandy Redox (S5)  Very Shallow Dark Surface (F7)  A Other (Explain in Remanganese Masses  Very Shallow Dark Surface (F7)  Stripped Matrix (S6)  Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	
Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Surface (S7)  Piedmont Floodplain Sol Mesic Spodic (TA6) (ML Spodic (TA6))  Red Parent Material (F2 Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface (S7)  Marl (F10) (LRR K, L)  Z Other (Explain in Remark Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	·
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F2 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L)  Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type:	
Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Judicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (S7)  Marl (F10) (LRR K, L) X Other (Explain in Remare Dark Surface (S7)  *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  *Restrictive Layer (if observed):  Type:	· ·
Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  X Other (Explain in Remargation 2014)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	
Dark Surface (S7)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	.3)
Restrictive Layer (if observed):  Type:	
Type:	
· · · · · · · · · · · · · · · · · · ·	
Depth (inches): Hydric Soil Present? Yes	
	No
Remarks: The wetland is located within a recently tilled agricultural field and 100 year floodplain of Mohawk River. It is evident that the A repeatedly mixed and tilled together from farming practices. The soil was a dark (7.5 YR 3/1 and 10YR 3/1) black silty clay loa ~16-18-inches. Given the USDA soil series listing of Wayland Soils Complex, the hydrology and vegetation indicators, one car hydric soil indicators to form once farming practices cease.	n for the entire test pit
Tryano dell'indiducto to form once farming pradicos deade.	

### WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W7-Up-4
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): none Local r	relief (concave, convex, none): Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.06822998	Long: -75.11344981 Datum: WGS 84
Soil Map Unit Name: Wayland Soils Complex (Wd)	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
	<del></del>
Are Vegetation, SoilX, or Hydrology significantly disturb	<del></del>
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Tromano. (Explain alternative procedures note of in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (E	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present?  Yes  No X  Depth (inches):  Saturation Present?  Yes  No X  Depth (inches):	
Saturation Present? Yes No X Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L vious inspections), if available:
	, , ,
Remarks:	
along low spot within ag field southwest of Wetland W7	

Total Ottobard (Plataines AF has OOL)	Absolute	Dominant	Indicator	Barriana Tarturadahart			
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:			
1. Rhamnus cathartica			FACU	Number of Dominant Species			
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC: 0 (A)			
3. Tilia americana			FACU	Total Number of Dominant			
4. Carya glabra			FACU	Species Across All Strata: 2 (B)			
5. Fraxinus americana			FACU	Percent of Dominant Species			
6. Populus deltoides		·	FAC	That Are OBL, FACW, or FAC:(A/B)			
7. Acer negundo			FAC	Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15 by 20')				OBL species0 x 1 =0			
1. Rhamnus cathartica			FAC	FACW species 0 x 2 = 0			
2. Lonicera tatarica			FACU	FAC species10 x 3 =30			
3. Fraxinus americana			FACU	FACU species 30 x 4 = 120			
4				UPL species 50 x 5 = 250			
5. Acer saccharum			FACU	Column Totals: 90 (A) 400 (B)			
6. Lindera benzoin			FACW	Prevalence Index = B/A = 4.44			
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 10 by 15')				2 - Dominance Test is >50%			
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Plantago major			FACU	data in Remarks or on a separate sheet)			
4. Phalaris arundinacea	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Phragmites australis			FACW	<u></u>			
6. Solidago canadensis	25	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Artemisia vulgaris	50	Yes	UPL	Definitions of Vegetation Strata:			
8. Trifolium repens	5	No	FACU	_			
9. Dactyis glomerata			FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10. Parthenocissus quinquefolia			FACU				
11. Taraxacum officinale			FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Equisetum arvense	5	No	FAC	and greater than or equal to 5.20 it (1 iii) tail.			
12. Equiscian divense	90	=Total Cover	170	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vino Stratum (Plot aizo:	- 30	- Total Cover		of size, and woody plants less than 5.20 it tail.			
Woody Vine Stratum (Plot size:)				<b>Woody vines</b> – All woody vines greater than 3.28 ft in			
1.		· ——		height.			
2				Hydrophytic			
3.				Vegetation			
4		·		Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Sampling Point:

W7-Up-4

SOIL Sampling Point W7-Up-4

Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Re	emarks
0-8	10YR 2/1	100						silty loam	with some sand
8-14	7.5YR 2.5/1	100							
							·		
						·			
							<del></del> -		
			<u> </u>				·		
Type: C=Co	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Lining, M	l=Matrix.
Hydric Soil I	Indicators:						Indicators fo	or Problematic I	lydric Soils³:
Histosol			Polyvalue Belo		ce (S8) (	LRR R,			, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				airie Redox (A16	
Black His	` '		Thin Dark Surfa				· —	-	(S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S						(S8) (LRR K, L)
	l Layers (A5)	(011)	Loamy Mucky I			R K, L)		k Surface (S9) ( <b>L</b>	•
	l Below Dark Surface ark Surface (A12)	(A11)	Loamy Gleyed Depleted Matrix		F2)			-	(F12) ( <b>LRR K, L, R</b> ) s (F19) ( <b>MLRA 149E</b>
	lucky Mineral (S1)		Redox Dark Su		-6)				RA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark		-			ent Material (F21	
	edox (S5)		Redox Depress					allow Dark Surfac	
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (E	xplain in Remark	s)
Dark Sur	face (S7)								
2									
	, , , ,	on and w	etland hydrology mu	ıst be pr	resent, ui	nless dist	urbed or problematic.		
Type:	_ayer (if observed):								
	I \						Uhadaia Oail Daasaa		NI -
Depth (ir	nches):						Hydric Soil Preser	nt? Yes_	No
Remarks:	المساقات								
recently tilled	ag lieid								

### WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mohawk SA	City/County: Herkimer Sampling Date: 10/21/19
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W8-Wet-1
Investigator(s): Colin Diehl/Travis Money	Section, Township, Range: Town of Schuyler
Landform (hillside, terrace, etc.): drainageway Local	relief (concave, convex, none): concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 43.06892662	Long:75.11745122
Soil Map Unit Name: Hamlin Silt Loam (Hf)	NWI classification: PFO/PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (I	
X High Water Table (A2) X Aquatic Fauna (B13) X Saturation (A3) Marl Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Sediment Deposits (B2)  Oxidized Rhizospheres of	
X Drift Deposits (B3)  Presence of Reduced Inc.	
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5)  Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	<del></del>
X Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	: 4
Water Table Present? Yes X No Depth (inches):	:
Saturation Present? Yes X No Depth (inches):	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Demarks	
Remarks: ditchline/drainageway within hedgerow, drains south to Mohawk river	
atomino/dramagoway warm noagorow, dramo south to monawit nvoi	

<u>Tree Stratum</u> (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	30	Yes	FACW	
Ostrya virginiana			FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3. Fraxinus pennsylvanica	30	Yes	FACW	,
4. Salix alba			FACW	Total Number of Dominant Species Across All Strata: 7 (B)
5. Acer rubrum			FAC	
6. Acer saccharinum			FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7. Alnus glutinosa		•	FACW	Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20' )		1		OBL species x 1 =
1. Cornus sericea	20	Yes	FACW	FACW species x 2 =
2. Acer rubrum			FAC	FAC species x 3 =
3. Fraxinus pennsylvanica	10	Yes	FACW	FACU species x 4 =
4. Lonicera tatarica			FACU	UPL species x 5 =
5. Salix alba			FACW	Column Totals: (A) (B)
6. Alnus glutinosa			FACW	Prevalence Index = B/A =
7. Populus deltoides			FAC	Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15')		'		X 2 - Dominance Test is >50%
1. Phragmites australis			FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Artemisia vulgaris	<u> </u>		FACW	data in Remarks or on a separate sheet)
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Bidens vulgata	5	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Impatiens capensis	10	Yes	FACW	be present, unless disturbed or problematic.
7. Urica dioica		<u> </u>	FAC	Definitions of Vegetation Strata:
8. Geranium bicknellii	5	Yes	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in
9. Lythrum salicaria			FACW	diameter at breast height (DBH), regardless of height.
10. Equisetum arvense			FACW	Sapling/shrub – Woody plants less than 3 in. DBH
11. Equisetum hyemale			FACW	and greater than or equal to 3.28 ft (1 m) tall.
12. Toxicodendron radicans		<u> </u>	FAC	Herb – All herbaceous (non-woody) plants, regardless
	20	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia			FAC	height.
2.		<u> </u>		
3		<u> </u>		Hydrophytic Vegetation
4				Present? Yes X No No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: W8-Wet-1

SOIL Sampling Point W8-Wet-1

		to the de	-			ator or co	onfirm the absence of in	dicators.)
Depth (inches)	Matrix	%	Color (moist)	k Featur %	es Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
(inches) 0-3	7.5YR 2.5/1	100	Color (moist)	70	Туре	LOC	Loamy/Clayey	Remarks
-								
3-12	10YR 3/1	90	10YR 3/4	10	С	<u>M</u>	Loamy/Clayey	
								_
	-							
<sup>1</sup> Type: C=Ce	oncentration, D=Depl	etion, RN	/=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=I	Pore Lining, M=Matrix.
Hydric Soil	•		,					Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm Muck	(A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	oipedon (A2)		MLRA 149B	)			Coast Prair	ie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	<b>49B</b> ) 5 cm Mucky	y Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) ( <b>LRI</b>	R K, L)	Polyvalue E	Below Surface (S8) ( <b>LRR K, L</b> )
	d Layers (A5)		Loamy Mucky I			R K, L)		Surface (S9) ( <b>LRR K, L</b> )
	d Below Dark Surface	(A11)	Loamy Gleyed		F2)		Iron-Manga	nese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)		X Depleted Matrix					loodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su		-			lic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark					Material (F21)
	Redox (S5)		Redox Depress		8)			w Dark Surface (F22)
	Matrix (S6) rface (S7)		Marl (F10) ( <b>LR</b>	K N, L)			Other (Expl	ain in Remarks)
Daik Su	nace (ST)							
<sup>3</sup> Indicators o	f hydrophytic vegetati	ion and v	vetland hvdrologv mu	ıst be pr	esent. ur	nless dist	urbed or problematic.	
	Layer (if observed):		, ,,		· · ·		<u> </u>	
Type:								
Depth (in	nches):						Hydric Soil Present?	Yes X No
Remarks:								
				nd 100	year floo	dplain of l	Mohawk River. It is evide	ent that the A/B horizons have been
repeatedly m	nixed and tilled togeth	er from f	arming practices.					

### WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mohawk SA	City/C	ounty: Herkimer	Sampling Date: 10/21/19					
Applicant/Owner: The Wetlands Trust, In	C.	State: NY Sampling Point: W8-U						
Investigator(s): Colin Diehl/Travis Money		Section, Township, Range: Town	n of Schuyler					
Landform (hillside, terrace, etc.): none	Local relief (c	oncave, convex, none):	Slope %: 0-3					
Subregion (LRR or MLRA): LRR L		Long: -75.1174338	Datum: WGS 84					
Soil Map Unit Name: Hamlin Silt Loam (Hf)		NWI classification						
Are climatic / hydrologic conditions on the site	typical for this time of year?		o, explain in Remarks.)					
Are Vegetation, Soil, or Hydro		Are "Normal Circumstances" pr						
		(If needed, explain any answers						
Are Vegetation, Soil, or Hydro								
SUMMARY OF FINDINGS – Attach	site map snowing sampling	point locations, transects,	important features, etc.					
Hydrophytic Vegetation Present?		ne Sampled Area						
Hydric Soil Present?	Yes No X with	nin a Wetland? Yes	No X					
Wetland Hydrology Present?	Yes No X If ye	s, optional Wetland Site ID:						
Remarks: (Explain alternative procedures he	re or in a separate report.)							
HYDROLOGY								
Wetland Hydrology Indicators:		Secondary Indicators	s (minimum of two required)					
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cra	ice Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterr						
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Wat	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows	` '					
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin	· · · —	e on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	` '	Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard						
Inundation Visible on Aerial Imagery (B7)		Microtopographi						
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Tes	st (D5)					
Field Observations:								
Surface Water Present? Yes	No X Depth (inches):	_						
Water Table Present? Yes	No X Depth (inches):	_						
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present	t? Yes No X					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous i	nspections), if available:						
Remarks:								
along field edge, east of Wetland W8/hedger	OW							

<b>EGETATION</b> – Use scientific names of pl				Sampling Point: W8-Up-1				
Tree Stratum (Plot size:15 by 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. Rhamnus cathartica			FACU	Number of Dominant Species				
2. Crataegus monogyna			FACU	That Are OBL, FACW, or FAC: 0 (A)				
3. Tilia americana			FACU	Total Number of Dominant				
l. Carya glabra			FACU	Species Across All Strata: 6 (B)				
5. Fraxinus americana	25	Yes	FACU	Description of Description of Control				
6. Populus deltoides			FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7. Acer negundo			FAC	Prevalence Index worksheet:				
	25	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15 by 20' )				OBL species 0 x 1 = 0				
. Rhamnus cathartica			FAC	FACW species 0 x 2 = 0				
2. Lonicera tatarica	15	Yes	FACU	FAC species 0 x 3 = 0				
B. Fraxinus americana	15	Yes	FACU	FACU species 95 x 4 = 380				
I.				UPL species 20 x 5 = 100				
5. Acer saccharum			FACU	Column Totals: 115 (A) 480 (B				
5. Lindera benzoin	-		FACW	Prevalence Index = B/A = 4.17				
7. Rosa multiflora	20	Yes	FACU	Hydrophytic Vegetation Indicators:				
. Nosa malanora		=Total Cover	17.00	1 - Rapid Test for Hydrophytic Vegetation				
<u>lerb Stratum</u> (Plot size: 10 by 15' )		- Total Gover		2 - Dominance Test is >50%				
. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>				
			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin				
	-			data in Remarks or on a separate sheet)				
	-		FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
Phalaris arundinacea			FAC	Problematic Hydrophytic Vegetation (Explain)				
5. Phragmites australis	45		FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus				
S. Solidago canadensis	15	Yes	FACU	be present, unless disturbed or problematic.				
7. Artemisia vulgaris	20	Yes	UPL	Definitions of Vegetation Strata:				
3. Trifolium repens			FACU	Tree – Woody plants 3 in. (7.6 cm) or more in				
Dactyis glomerata			FACU	diameter at breast height (DBH), regardless of height.				
0. Parthenocissus quinquefolia	5	<u>No</u>	FACU	Sapling/shrub – Woody plants less than 3 in. DBH				
1. Taraxacum officinale			FACU	and greater than or equal to 3.28 ft (1 m) tall.				
2. Equisetum arvense			FAC	Herb – All herbaceous (non-woody) plants, regardless				
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.				
Noody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in				
l	-			height.				
2				Hydrophytic				
3				Vegetation				
l				Present? Yes No X				
		=Total Cover						

SOIL Sampling Point W8-Up-1

Depth	Matrix			x Featur		_			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remar	ks
0-6	5YR 3/1	100						sandy/silt	loam
6-16	7.5YR 3/1	100							
0 10	7.011(0/1	100							
	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		Pore Lining, M=Ma	
Hydric Soil			Daharaha Dala	Of-	(00) (			Problematic Hydri	
Histosol	(A1) pipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (	LKK K,		(A10) ( <b>LRR K, L, N</b> rie Redox (A16) ( <b>LR</b>	-
	istic (A3)		Thin Dark Surf	•	) (I RR R	MIRA		ry Peat or Peat (S3)	
	en Sulfide (A4)		High Chroma S					Below Surface (S8)	
	d Layers (A5)		Loamy Mucky					Surface (S9) ( <b>LRR I</b>	-
	d Below Dark Surface	(A11)	Loamy Gleyed			, ,		anese Masses (F12	•
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont I	Floodplain Soils (F1	9) ( <b>MLRA 149</b> B
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	<del>-</del> 6)		Mesic Spo	dic (TA6) ( <b>MLRA 1</b> 4	I4A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark					t Material (F21)	
	Redox (S5)		Redox Depress		8)			ow Dark Surface (F2	22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Exp	lain in Remarks)	
Dark Su	rface (S7)								
3Indicators o	f hydrophytic yogotot	ion and w	etland bydralagy my	uat ha ni	rocent III	alaaa diat	urbed or problematic.		
	Layer (if observed):	ion and w	etiand hydrology mit	ist ne hi	esent, ui	iless uist	urbed or problematic.		
Type:	Layer (ii observed).								
Depth (in	nches):						Hydric Soil Present	? Yes	No X
							Tryunc con Tresent		<u> </u>
Remarks:									

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mohawk SA	City/County: Herkimer	<u> </u>	Sampling Date: 11/4/19			
Applicant/Owner: The Wetlands Trust, Inc.		State: NY	Sampling Point: W9-Wet-1			
Investigator(s): Colin Diehl	Section, Town	nship, Range: Schuyler	r			
Landform (hillside, terrace, etc.):	Local relief (concave, convex,	, none): concave	Slope %: 0-3			
Subregion (LRR or MLRA): LRR L Lat: 4	.3.07439585 Long: -	-75.12221708	Datum: WGS 84			
Soil Map Unit Name: Palms Muck		NWI classification:	PEM			
Are climatic / hydrologic conditions on the site typical for th	is time of year? Yes X		explain in Remarks.)			
Are Vegetation, Soil _X , or Hydrologys		al Circumstances" prese	,			
Are Vegetation, Soil, or Hydrologyn		explain any answers in	•			
SUMMARY OF FINDINGS – Attach site map	snowing sampling point location	ons, transects, im	iportant features, etc.			
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Are	a				
Hydric Soil Present? Yes X	No within a Wetland?	Yes X	No			
Wetland Hydrology Present? Yes X	No If yes, optional Wetla	and Site ID:				
Remarks: (Explain alternative procedures here or in a sep	parate report.)					
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (r	minimum of two required)			
Primary Indicators (minimum of one is required; check all		Surface Soil Cracks				
	Stained Leaves (B9)	Drainage Patterns (	` '			
<u> </u>	: Fauna (B13)	Moss Trim Lines (B				
<del></del>	eposits (B15)	Dry-Season Water	•			
<del></del>	en Sulfide Odor (C1)	Crayfish Burrows (0				
	ed Rhizospheres on Living Roots (C3)		on Aerial Imagery (C9)			
<u> </u>	ce of Reduced Iron (C4)	Stunted or Stressed				
<del>-</del>	Iron Reduction in Tilled Soils (C6)					
<del></del>	uck Surface (C7)	 Shallow Aquitard (D				
	Explain in Remarks)	Microtopographic R	•			
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (				
Field Observations:	<del>-</del>		,			
Surface Water Present? Yes X No	Depth (inches): 1					
Water Table Present? Yes X No	Depth (inches):					
Saturation Present? Yes X No		Hydrology Present?	Yes X No			
(includes capillary fringe)		,	··· <u></u> ···_			
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspections), if a	/ailable:				
	, , , , , , , , , , , , , , , , , , , ,					
Remarks:						
wetland/sampling point was located within active farm field	d that had not been planted during growing	ng season of 2019 and	had recently been mowed.			

Tree Otesture (Districts AF hy 00)	Absolute	Dominant	Indicator	Bandana Tarkanakakat
Tree Stratum (Plot size: 15 by 30' )	% Cover	Species?	Status	Dominance Test worksheet:
1. Ulmus americana			FACW	Number of Dominant Species
2. Acer rubrum			FAC	That Are OBL, FACW, or FAC:(A)
<ul><li>3. Fraxinus pennsylvanica</li><li>4.</li></ul>			FACW	Total Number of Dominant Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20')				OBL species x 1 =
1. Cornus sericea			FACW	FACW species x 2 =
2. Acer rubrum			FAC	FAC species x 3 =
3. Fraxinus pennsylvanica			FACW	FACU species x 4 =
4. Lonicera tatarica			FACU	UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15')				X 2 - Dominance Test is >50%
1. Lythrum salicaria	20	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Phalaris arundinacea			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Polygonum sagittatum			OBL	data in Remarks or on a separate sheet)
4. Onoclea sensibilis			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Typha angustifolia	30	Yes	OBL	
6. Impatiens capensis	10	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Carex stricta	5	No	FACW	Definitions of Vegetation Strata:
8. Scirpus spp.	5	No	FACW	•
9. Geranium bicknellii	10	No	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. Bidens spp.			FACW	
11. Eupatorium perfoliatum	5	No	FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12. Juncus effusus			OBL	
	85	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )				
1				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				Total Control of the
2				Hydrophytic
1				Vegetation Present? Yes X No
4.		=Total Cover		100 <u>X</u>
Remarks: (Include photo numbers here or on a separ	rate sheet )	10101 00101		
Temarks. (include prioto numbers here of on a separ	ate sheet.)			

Sampling Point: W9-Wet-1

SOIL Sampling Point W9-Wet-1

		to the de				ator or co	onfirm the absence of in	ndicators.)
Depth	Matrix	0/		x Featur		1 - 2	T.,,t.,,,	Damada
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 2.5/1	100					Loamy/Clayey	
6-12	10YR 3/1	100					Loamy/Clayey	
								_
<sup>1</sup> Type: C=C	oncentration, D=Depl	letion RN	M=Reduced Matrix M	 	ked Sand		<sup>2</sup> l ocation: PI =	Pore Lining, M=Matrix.
Hydric Soil		ouon, rui	T TOUGOCG WIGHTA, W	no mas	Roa Garie	d Grains.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		(A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	pipedon (A2)		MLRA 149B	)			Coast Prair	rie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi	istic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	<b>49B</b> ) 5 cm Muck	y Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	en Sulfide (A4)		High Chroma S					Below Surface (S8) ( <b>LRR K, L</b> )
	d Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	ark Surface (A12) //ucky Mineral (S1)		Depleted Matri		:6)			Floodplain Soils (F19) ( <b>MLRA 149B</b> ) dic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark		-			t Material (F21)
	Redox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		,			lain in Remarks)
Dark Su	rface (S7)							
	f hydrophytic vegetat		vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
	Layer (if observed):							
Type:							Uhadai - O - il Dan 40	V V N-
Depth (ii	ncnes):						Hydric Soil Present?	Yes X No
Remarks:	is located within a re	contly till	ad agricultural fiold a	and 100	voor floor	dolain of l	Mohawk Pivor It is avide	ent that the A/B horizons have been
	nixed and tilled togeth			and 100	year 1100	иріант от	WIGHAWK INIVEL. IL IS EVICE	ent that the A/B honzons have been
	-							

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mohawk SA	City/Count	y: Herkimer	Sampling Date: 11/4/19					
Applicant/Owner: The Wetlands Trust, Inc.	State: NY Sampling Point: W9-Up-							
Investigator(s): Colin Diehl	S	ection, Township, Range: Town o	of Schuyler					
Landform (hillside, terrace, etc.): none		ave, convex, none):	Slope %: 0-3					
Subregion (LRR or MLRA): LRR L	Lat: 43.07439369	Long: -75.12212953	Datum: WGS 84					
Soil Map Unit Name: Palms muck (Pk)	, <u></u>	NWI classification						
Are climatic / hydrologic conditions on the site typic	eal for this time of year?		explain in Remarks.)					
Are Vegetation, SoilX_, or Hydrology	•	Are "Normal Circumstances" pres						
Are Vegetation, Soil, or Hydrology	<del></del>	(If needed, explain any answers i						
SUMMARY OF FINDINGS – Attach site			•					
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area						
Hydric Soil Present? Yes		Wetland? Yes	No X					
Wetland Hydrology Present? Yes	<del></del>	otional Wetland Site ID:	<u></u>					
Remarks: (Explain alternative procedures here or	m a coparate report,							
HYDROLOGY								
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)					
Primary Indicators (minimum of one is required; c	neck all that apply)	Surface Soil Crack	ks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	(B10)					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (	•					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water						
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	· · ·	on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	·					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	· · · · · · · · · · · · · · · · · · ·						
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (	•					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic						
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)					
Field Observations:								
	X Depth (inches):							
Water Table Present? Yes No	' ' '	W-41	Waa Na V					
Saturation Present? Yes No (includes capillary fringe)	X Depth (inches):	Wetland Hydrology Present?	Yes No _X_					
Describe Recorded Data (stream gauge, monitori	ng well gerial photos, previous inspe							
Describe Necolded Data (Stream gauge, monitori	ig well, aeriai pilotos, previous inspe	stions), ii available.						
Remarks: within central portion of westernmost ag field								

<u>Tree Stratum</u> (Plot size: 15 by 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Prunus serotina		· <u>'</u>	FACU	
2. Pinus strobus			FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Thuja occidentalis			FACU	
4. Acer rubrum			FAC	Total Number of Dominant Species Across All Strata: 3 (B)
5. Fraxinus americana			FACU	
6. Acer saccharum			FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7. Acer negundo	-		FAC	Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 by 20' )		-		OBL species 0 x 1 = 0
1. Rhamnus frangula			FAC	FACW species 0 x 2 = 0
2. Lonicera tatarica			FACU	FAC species 20 x 3 = 60
3. Fraxinus americana			FACU	FACU species 40 x 4 = 160
4. Prunus serotina			FACU	UPL species15 x 5 =75
5. Acer saccharum			FACU	Column Totals: 75 (A) 295 (B)
6. Lindera benzoin			FACW	Prevalence Index = B/A = 3.93
7. Rosa multiflora			FACU	Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 10 by 15')		-		2 - Dominance Test is >50%
1. Urtica dioica			FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Toxicodendron radicans			UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Plantago major	10	No	FACU	data in Remarks or on a separate sheet)
4. Phalaris arundinacea	20	Yes	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Rubus allegheniensis			FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Solidago canadensis	10	No	FACU	be present, unless disturbed or problematic.
7. Artemisia vulgaris	15	Yes	UPL	Definitions of Vegetation Strata:
8. Trifolium repens	20	Yes	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in
9. Dactyis glomerata			FACU	diameter at breast height (DBH), regardless of height.
10. Parthenocissus quinquefolia			FACU	Sapling/shrub – Woody plants less than 3 in. DBH
11. Asclepias syriaca			FACU	and greater than or equal to 3.28 ft (1 m) tall.
12. Daucus carota			UPL	<b>Herb</b> – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)	_		
	·			

Sampling Point:

W9-Up-1

SOIL Sampling Point W9-Up-1

		o the de				itor or co	onfirm the absence of indic	ators.)	
Depth (in aboa)	Matrix	0/		x Featur		Loc <sup>2</sup>	Tautuna	Damanica	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc	Texture	Remarks	—
0-7	10YR 2/1	100					Sandy		_
7-16	10YR 3/2	100							
							<u> </u>		_
									_
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	<sup>2</sup> Location: PL=Pore	e Lining, M=Matrix.	
Hydric Soil I								olematic Hydric Soils <sup>3</sup> :	
Histosol (			Polyvalue Belo		ce (S8) (I	LRR R,		0) (LRR K, L, MLRA 149B)	
Black His	ipedon (A2)		MLRA 149B Thin Dark Surf	•	) /I DD D	MIDA		edox (A16) ( <b>LRR K, L, R</b> ) eat or Peat (S3) ( <b>LRR K, L, R</b>	
	n Sulfide (A4)		High Chroma S				· · · · · · · · · · · · · · · · · · ·	w Surface (S8) ( <b>LRR K, L, K</b>	)
	Layers (A5)		Loamy Mucky					ace (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Gleyed			, ,		e Masses (F12) ( <b>LRR K, L, F</b>	₹)
	rk Surface (A12)	, ,	Depleted Matri					Iplain Soils (F19) ( <b>MLRA 14</b> 9	
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	<sup>-</sup> 6)		Mesic Spodic (	TA6) ( <b>MLRA 144A, 145, 149</b>	3)
	eyed Matrix (S4)		Depleted Dark				Red Parent Ma		
	edox (S5)		Redox Depress		8)			ark Surface (F22)	
? Dark Sur	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Explain	in Remarks)	
Park Sur	iace (S7)								
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ıst be pr	resent, ur	nless dist	urbed or problematic.		
	ayer (if observed):		, ,,				'		
Type:									
Depth (in	ches):						Hydric Soil Present?	Yes No	
Remarks:	<u> </u>								
tilled farm fiel	d								

The Wetland Trust In-Lieu Fee Program, Mohawk Service Area, HUA 02020004	Mohawk River Preserve Mitigation Plan
Appendix D. Supplemental site photos including photo location ma	ap.
	248

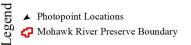
## **Mohawk River Preserve Photopoint Locations Map**



In Lieu Fee Program: Mohawk Service Area Location: 2921 NY-5, Frankfort, NY 13340 Site Coordinates: 43.0738, -75.1206

1 in = 692 ft

0 230 460 920 1,380 1,840 Fee















Photopoint 6: Western Field 1 looking north along ditch between Fields 1 and 2, 4/25/2019





















Photopoint 16: Eastern Field, looking across the ditch between Fields 1 and 2, looking northwest along edge of field boundary ditch, part of mapped Wetland 7. 4/25/2019

The Wetland Trust In-Lieu Fee Program, Mohawk Service Area, HUA 02020004	Mohawk River Preserve Mitigation Plan
Appendix E: Baseline VIBI data collection sheets.	
	258

Species	Common Name	CofC Tolerance	Nativity	Form	Shade	Type	WET	Habit	EMP	MW	NCNE	Relative Cover	Weighted CofC
Acorus calamus	SWEET-FLAG	0 tolerant	adventive	forb	advent	DI	OBL	PE	OBL	OBL	OBL	2.5701E-05	neighted doild
Alnus incana	SPECKLED ALDER	6 sensitive	native	shrub	full	DI	FACW+		FACU	FACW	FACW	0.035981392	0.215888355
Artemisia vulgaris	COMMON MUGWORT	0 tolerant	adventive	forb	advent	DI	FACU-		UPL	UPL	UPL	0.061682387	0.2.1000000
Bidens cernua	NODDING BEGGAR'S-TICK	3 midrange	native	forb	full	DI	OBL	AN	OBL	OBL	OBL	0.00128505	0.003855149
Carex lacustris	LAKE SEDGE	5 midrange	native	sedge	partial	MO	OBL	PE	OBL	OBL	OBL	2.5701E-05	0.000128505
Carex lurida	BOTTLEBRUSH SEDGE	3 midrange	native	sedge	full	MO	OBL	PE	OBL	OBL	OBL	2.5701E-05	7.7103E-05
Carex vulpinoidea	FOX SEDGE	1 tolerant	native	sedge	full	МО	OBL	PE	OBL	FACW		2.5701E-05	2.5701E-05
Cirsium arvense	CANADA THISTLE	0 tolerant	adventive	forb	advent	DI	FACU	PE	FACU	FACU	FACU	0.015420597	0
Daucus carota	QUEEN-ANNE'S-LACE	0 tolerant	adventive	forb	advent	DI	(UPL)	BI	UPL	UPL	UPL	0.014135547	0
Dichanthelium clandestinum	DEER'S-TONGUE PANIC GRASS	2 tolerant	native	grass	shade	МО	FAC+	PE	FAC	FACW	FACW	0.019275746	0.038551492
Echinochloa crus-galli	BARNYARD GRASS	0 tolerant	adventive	grass	advent	МО	FACU	AN	FAC	FACW	FAC	0.056542188	0
Epilobium ciliatum	NORTHERN WILLOW-HERB	4 midrange	native	forb	full	DI	FAC-	PE	FAC	FACW	FACW	0.003855149	0.015420597
Equisetum arvense	FIELD HORSETAIL	0 tolerant	native	fern	full	SVP	FAC	PE	FAC	FAC	FAC	0.09380863	0
Euthamia graminifolia	FLAT-TOPPED GOLDENROD	2 tolerant	native	forb	full	DI	FAC	PE	FAC	FACW	FAC	2.5701E-05	5.1402E-05
Lactuca serriola	PRICKLY LETTUCE	0 tolerant	adventive	forb	advent	DI	FAC-	BI	FAC	FACU	FACU	2.5701E-05	0
Leersia oryzoides	RICE CUT GRASS	1 tolerant	native	grass	full	MO	OBL	PE	OBL	OBL	OBL	0.003855149	0.003855149
Lycopus americanus	AMERICAN WATER-HOREHOUN	3 midrange	native	forb	full	DI	OBL	PE	OBL	OBL	OBL	2.5701E-05	7.7103E-05
Lysimachia nummularia	MONEYWORT	0 tolerant	adventive	forb	advent	DI	OBL	PE	FACW	FACW	FACW	0.003855149	0
Lythrum salicaria	PURPLE LOOSESTRIFE	0 tolerant	adventive	forb	advent	DI	FACW+	· PE	FACW	OBL	OBL	0.015420597	0
Phalaris arundinacea	REED CANARY GRASS	0 tolerant	cryptogenic	grass	full	MO	FACW+	· PE	FACW	FACW	FACW	0.020560796	0
Plantago lanceolata	ENGLISH PLANTAIN	0 tolerant	adventive	forb	advent	DI	UPL	PE	UPL	FACU	FACU	0.082243183	0
Plantago major	COMMON PLANTAIN	0 tolerant	adventive	forb	advent	DI	FACU	PE	FACU	FAC	FACU	0.032126243	0
Ranunculus repens	CREEPING BUTTERCUP	0 tolerant	adventive	forb	advent	DI	FAC	PE	FAC	FAC	FAC	0.041121591	0
Rumex crispus	CURLY DOCK	0 tolerant	adventive	forb	advent	DI	FACU	PE	FAC	FAC	FAC	2.5701E-05	0
Sparganium americanum	AMERICAN BUR-REED	6 sensitive	native	forb	full	MO	OBL	PE	OBL	OBL	OBL	0.008995348	0.053972089
Symphyotrichum lateriflorum	CALICO ASTER	2 tolerant	native	forb	shade	DI	FACW-	PE	FACW	FACW	FAC	0.023130895	0.04626179
Taraxacum officinale	COMMON DANDELION	0 tolerant	adventive	forb	advent	DI	FACU-	PE	FACU	FACU	FACU	0.023130895	0
Trifolium repens	WHITE CLOVER	0 tolerant	adventive	forb	advent	DI	FACU-		FACU	FACU	FACU	0.411215914	0
Typha angustifolia	NARROW-LEAVED CAT-TAIL	0 tolerant	adventive	forb	advent	MO	OBL	PE	OBL	OBL	OBL	0.00128505	0
Verbascum thapsus	COMMON MULLEIN	0 tolerant	adventive	forb	advent	DI	(UPL)	BI	FACU	UPL	UPL	2.5701E-05	0
Zea mays	CORN	0 tolerant	adventive	grass	advent	MO	(UPL)	AN	(UPL)	(UPL)	(UPL)	0.030841194	0

		Site Informatio	n		
Site Name:	TWT ILFP Mohawk Serv	ice Area Lock 19 Site		1	
County:		Sampling date(s):	·		
Collector(s):		M. Yearick	Affiliation:		
					Create Summary Report
Phone number:		email address:			Create Summary Report

Plot	Informat	ion
2	LDI-t I-t-	
	l Plot Inforn	
Monitoring Type		VIBI & VIBI FQ
Monitor Event		1st
Total Modules		10
Intensive Modules		4
Plot Congituration		VIBI-Std (2x5)
Area (ha)		0.10
Latitude		
Longitude		
Centerline		
Army Corps Region		NCNE
Plant Community Info	rmation	
VEG Class		NON WETLAND
1st Plant Community		
		Non-woody
	Veg. Group	communities
V	eg. Modifier	farm field
	Other	
2nd Plant Community		
	VEG Class	EMERGENT
	Veg. Group	Wet meadow
	veg. Group	other (specify
v	eg. Modifier	dominants)
	3	Ranunculus acris,
		Sparganium
	Other	americanum
HGM Informatio	n	
Primary	HGM Class	DEPRESSION
	Sub class	Ground water
Secondary	HGM Class	
	Sub class	
Sub or Super Sample		NO
% Sub or Super Sample		100%
Total plot canopy closure 9	6	
Total plot herbaceous cove		
•		

Metric		alue	VIBI - Me	VIBI FQ		
	Statewide	ACOE Region	Statewide	ACOE Region	Metric Score	
arex	3	3	NA	NA	NA	
yperaceae	3	3	NA	NA	NA	
icot	6	6	NA	NA	NA	
hade	3	3	NA	NA	NA	
hrub	1	1	NA	NA	NA	
ydrophyte	9	10	NA	NA	NA	
eedless Vascular Plant	1	1	NA	NA	NA	
nnual/Perennial ratio	0.13	0.13	NA	NA	NA	
QAI	6.83	6.83	NA	NA	0.00	
/eighted C of C	0.38	0.38	NA	NA	3.15	
bryophyte	0.00%	0.00%	NA	NA	NA	
hydrophyte	7.34%	7.34%	NA	NA	NA	
sensitive	4.50%	4.50%	NA	NA	NA	
stolerant	94.98%	94.98%	NA	NA	NA	
binvasive graminoids	2.18%	2.18%	NA NA	NA	NA NA	
ole timber (small tree)	0.00	0.00	NA NA	NA	NA NA	
ubcanopy IV	0.00	0.00	NA	NA	NA	
anopy IV	0.00	0.00	NA	NA	NA	
iomass	0	0	NA	NA	NA	
unvegetated	NA	NA	NA	NA	NA	
Informationa	I Parameters					
tems/ha wetland trees	0.00	0.00				
tems/ha wetland shrubs	0.00	0.00				
buttonbush	0.00%	0.00%				
perennial native hydrophytes	18.90%	18.90%				
perennial native	18.90%	18.90%				
perennial	89.71%	89.71%				
adventives	80.97%	80.97%				
open water	0.38%	0.38%				
unvegetated open water	0.13%	0.13%				
bare ground	5.50%	5.50%				
letness Index	0.38	0.38				
	VII	BI Total Score:	0	0	3	

<b>ÖhioEPA</b>		Module 2		Module			Module		Module			Module <sub>Tog</sub>			Residual	
					9			8			3					
O <u>nioera</u>	Corner	Corner		Corner	Corner		Corner	Corner		Corner	Corner		Corner	Corner		
	4	2		2	4		2	4		2	4					
species	Level	Level	Cover Class	Level	Level	Cover Class	Level	Level	Cover Class	Level	Level	Cover Class	Level	Level	Cover Class	Cover Class
%open water	1		3	1		1	1		1	1		1	1			
%unvegetated open water	1		2	1		1	1		1	1		1	1			
%bare ground	1		4	1		5	1		5	1		4	1			
%litter cover	1		3	1		5	1		6	1		5	1			
Sparganium americanum	4		4													
Leersia oryzoides	4		3													
Ranunculus repens	3	2	5	4	4	5		2	2		1	2				
Epilobium ciliatum	3		3													
Trifolium repens	3	4	8	4	2	6	4	2	6	4	4	8				
Zea mays	3	3	4	3	3	4	3	3	3	3	3	4				
Alnus incana	2	3	3		4	3	3	4	5	4	2	4				
Phalaris arundinacea	2		4		1	2	2		2	3		4				
Cirsium arvense		4	3		2	3	4	2	3	3		3				
Plantago lanceolata		4	4	4	4	4	4	4	6	4	2	5				
Daucus carota		4	4		1	2	4		3							
Lythrum salicaria		3	3	2		2	2		2		4	4				
Artemisia vulgaris		2	3	2	3	5	3	2	5	4	2	5				
Echinochloa crus-galli		2	4	3		4	2	2	5		4	5				
Bidens cernua		1	2													
Taraxacum officinale		1	4	2	4	4		2	3	3		2				
Plantago major					4	3	2	4	5	4		4				
Equisetum arvense					3	6	4	4	6	3		3				
Dichanthelium clandestinum								4	5							
Symphyotrichum lateriflorum								4	5	2		3				
Lysimachia nummularia								1	3							
Verbascum thapsus										4		1				
Typha angustifolia											4	2				
Carex Iurida											4	1				
Lycopus americanus											1	1				
Carex lacustris																1
Lactuca serriola																1
Acorus calamus																1
Euthamia graminifolia																1
Rumex crispus																1
Carex vulpinoidea																1

The Wetland Trust In-Lieu Fee Program, Mohawk Service Area, HUA 02020004	Mohawk River Preserve Mitigation Plan						
Appendix F. Mohawk River Preserve mitigation site soil investigation report.							
	262						

### **Soil Report**

# Elmwood Road Site Herkimer County, NY August 1, 2019

By Laurence D. Day, Soil Scientist (CPSS #02962)

On May 31, 2019 I observed six soil profiles on 168 acres of land owned by The Wetland Trust in the Town of Schuyler, Mohawk River watershed in southern Herkimer County, NY. The property is in the Central Great Lakes Forests Region (LRR L). Soils within the ±100 acres of currently or recently farmed fields near the mouth of Sterling Creek were investigated in order to record soil profile characteristics in representative portions of the potential work area for determination of hydric/non-hydric status as a proposed wetland In-Lieu-Fee or mitigation bank. Wetland biologists Jeremy Waddell and Melissa Yearick of The Wetland Trust selected test pit locations. An excavator was used to expose the soil profiles, all of which were around 40 inches deep.

<u>Site Conditions:</u> The site is a relatively flat alluvial plain that gently slopes from northeast to southwest and towards the Mohawk River (Figure 1). Access is across a railroad grade along the northern border near NY State Barge Canal lock #19. An alluvial fan from Sterling Creek forms the slightly higher area east of the site entrance. Elevations are around 123 feet above mean sea level, with local relief generally of less than 10 feet. Low-gradient ditches cross the site in a few places that are still in operation from previous agricultural land use, helping to drain the predominantly silty soils that support mixed forb vegetation growing amid corn stubble. The site is within the 100-yr flood plain of the Mohawk River with southern-most portions being within the floodway (Figure 2).

Weather of May 31 was cool and slightly overcast. A stream gage of the Mohawk River at Little Falls on this date (Figure 3) records discharge around 1,000 cubic feet per second over median flow, implying that water tables should likewise have been elevated in soils adjacent to the river. All soil colors were described using moist, non-saturated soil conditions.

NRCS Soils Mapping: Figure 4 shows NRCS soil survey mapping on and near the site, plus two pages of legend with map unit names. Dominant soil types in the farmed fields are the non-hydric Teel and Hamlin Series, with Wayland, a hydric soil, in low spots that are poorly drained and frequently flooded. Teel is currently classified as a moderately well drained, coarse-silty Fluvaquentic Eutrudept having a seasonal high water table from 18 to 24"; however, at the time it was mapped (late 1960s) it also was considered to occur in a somewhat poorly drained phase that today would be considered Wakeville soil. The well drained Hamlin soil is a coarse-silty Dystric Fluventic Eutrudept with redoximorphic features below 24 inches. Palms muck (symbol Pk), a very poorly drained Terric Haplosaprist, is mapped over the westernmost part of the property, most of which is forested but also extends into cropland within the study area.

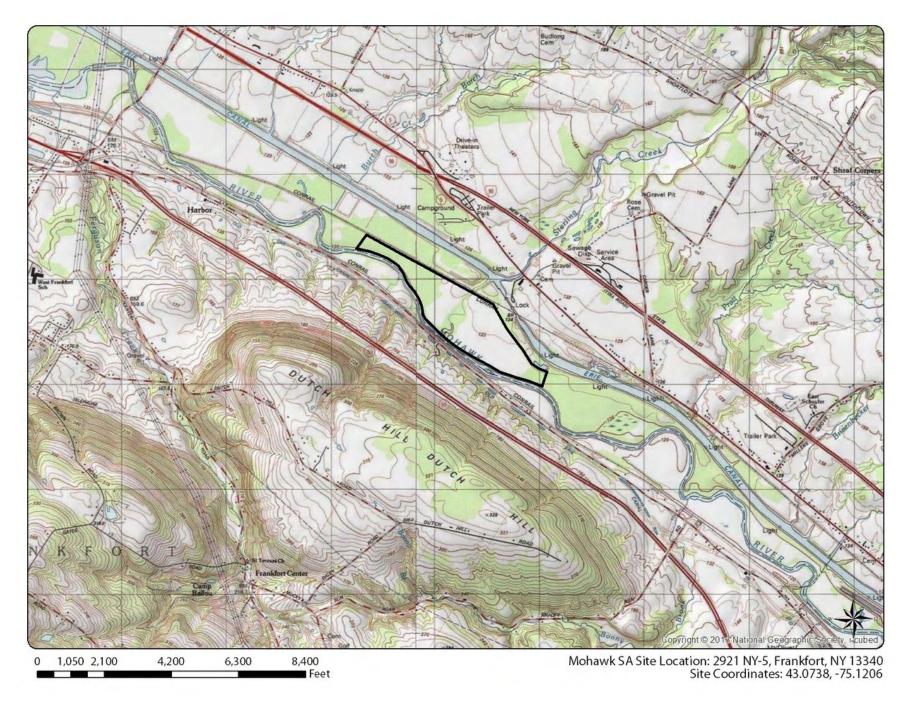


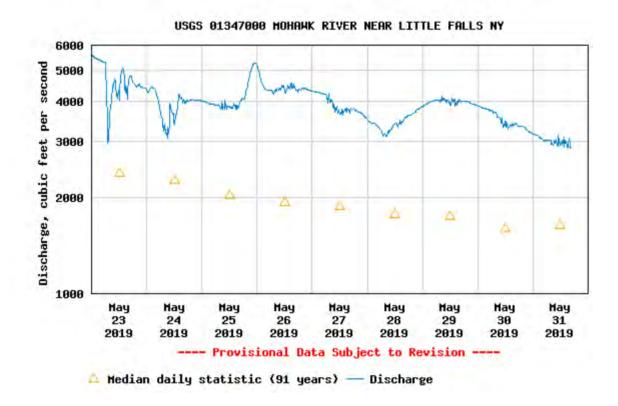
Figure 1: Location of Elmwood Road ILF site and local topography, a few miles east of Utica and just south of NY Thruway, New York.



**Figure 2**: Portion of FEMA flood zone mapping that includes site. The entire property is within the 100-yr flood zone, with a few hundred feet along the Mohawk River in the floodway, where floodwaters are moving. [Elevations in this figure are in feet using Barge Canal Datum.]

### Discharge, cubic feet per second

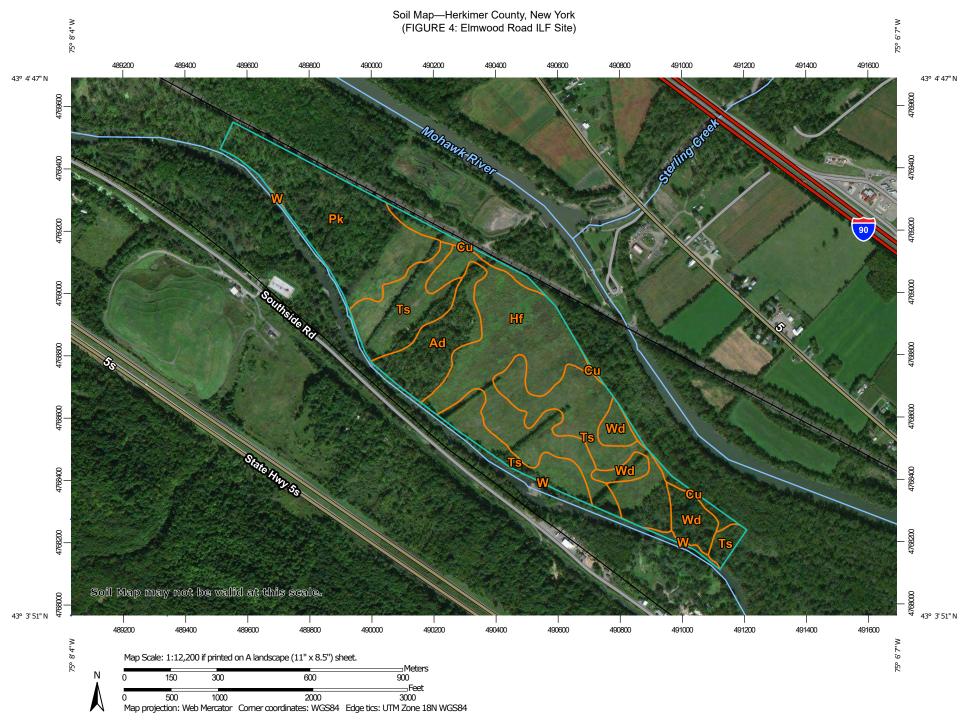
Most recent instantaneous value: 2880 05-31-2019 16:30 EST



Daily discharge, cubic feet per second -- statistics for May 31 based on 91 years of record more

	25th				Most Recent	
Min (1941)	percen- tile	Median	II	•	Instantaneous Value May 31	
870	1300	1630	2160	2410	2880	12500

Figure 3: USGS stream gage data for a number of days preceding observations on May 31, 2019.



#### MAP LEGEND

# Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow

Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot

# 8

Spoil Area



Stony Spot



Very Stony Spot



Wet Spot Other



Special Line Features

# Water Features



Streams and Canals

#### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Herkimer County, New York Survey Area Data: Version 1, Mar 7, 2019

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Apr 23, 2014—Sep 23, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
Ad	Alluvial land	14.7	9.0%	
Cu	Cut and fill land	5.7	3.5%	
Hf	Hamlin silt loam	43.8	26.9%	
Pk	Palms muck	36.6	22.5%	
Ts	Teel silt loam	50.5	31.0%	
W	Water	0.9	0.6%	
Wd	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	10.7	6.6%	
Totals for Area of Interest		162.8	100.0%	

<u>Findings:</u> Figure 5 shows test pit locations as recorded by staff of The Wetland Trust on 5/31/2019 using a GPS, and soils at each of the six test pits are described on following pages. Based on depth to redox features identified in the field, most of the soils were either moderately well drained (test pits 2, 4 and 6) or well drained (pit 3), approximating the Teel and Hamlin soils. Soils at test pits 1 and 5 were poorly drained (Wayland). Solum layers were invariably silt loam, with increased gravel content in the substratum below 36 inches in some profiles.

All the soils appeared to be the result of natural processes with the exception of row-crop agriculture disturbing the upper 6 to 11" by cultivation, wheel ruts and a plow pan evident in pit 3. Essentially no evidence of cut-and-fill activity from historic construction of the canal, railroad or widening of the canal system was observed; this is in contrast to the northernmost area immediately adjacent to the railroad grade, just off the site and adjacent to the canal (Figure 4, soil map symbol Cu).

All test pits exposed profiles of mineral soils with quite dark surface and subsoil matrix colors, often to depths over two feet. This is considerably deeper than is typical of most mineral soils and outside official color variation ranges of the above-mentioned soil series currently accepted by the USDA-NRCS, although accepted at the time the soil survey was made (Soil Survey Staff, 1975)— apparently as local variation. Because soil colors are closely linked to the U.S. Army Corps of Engineers' hydric soil indicators, and since this appears to be a parent material feature, possible explanations of the soil color anomalies at this site follow.

Wetland soils with deep dark colors usually have elevated organic carbon content as a by-product of anaerobic conditions, along with redoximorphic features in zones of fluctuating saturation—usually at or near the soil surface. However, the six soils described here exhibited dark colors a few feet thick that often had few or no redox features within 18" of the surface. The soils natural-looking morphology may suggest natural deposition of dark, silty alluvium containing finely-divided, dark organic matter and water tables commonly between two and three feet from the surface. This scenario would likely favor gley colors at depths below the water table and well-expressed redox features where the water table fluctuates, organic material being an energy source for microbial processes such as those that create redoximorphic features. However, no gley colors were observed at in any soil horizons while zones with well-expressed redox features were typically below three feet.

Another explanation for the dark and deep colors relates to the local bedrock geology in this section of the valley floor that is dominated by the black Utica Shale formation through which both the Mohawk River and Sterling Creek flow (Figure 6). Fine-sized particles of this black shale may have been incorporated throughout the alluvium on this site and the soils that developed there. In this scenario the shale-influenced alluvium, colored by dark organics of ancient origin, would presumably provide less of an available an energy source to soil microbes compared with more recent organic matter. Water tables may be at shallower depths closer to one to two feet while redoximorphic features might be less reliable of a hydric soil indicator —a problem soil due to inherent parent material color.

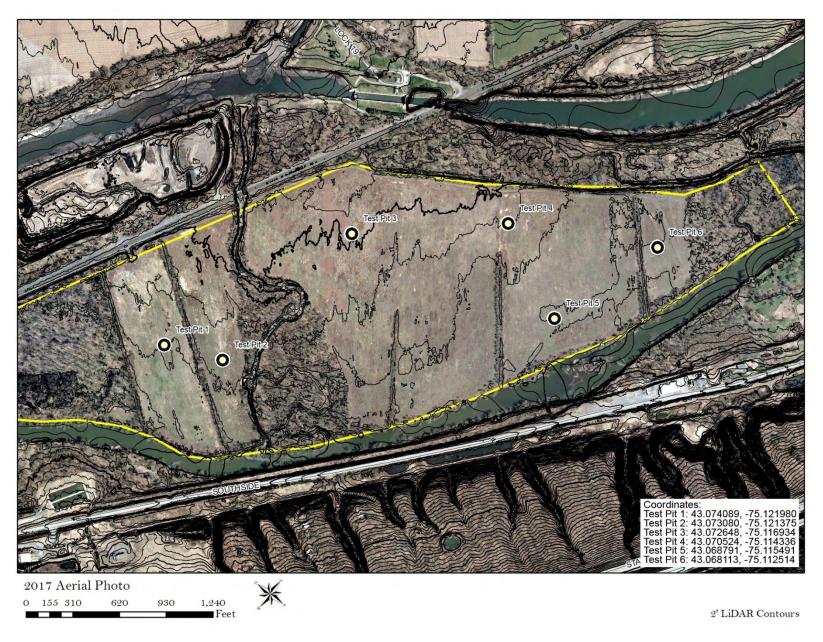
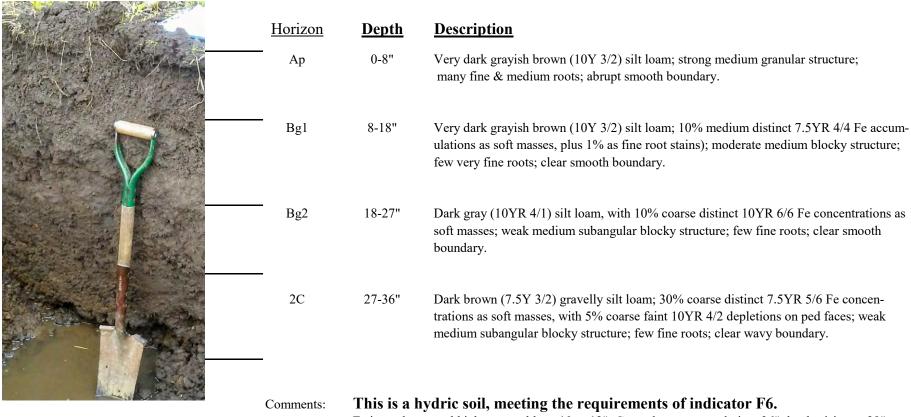


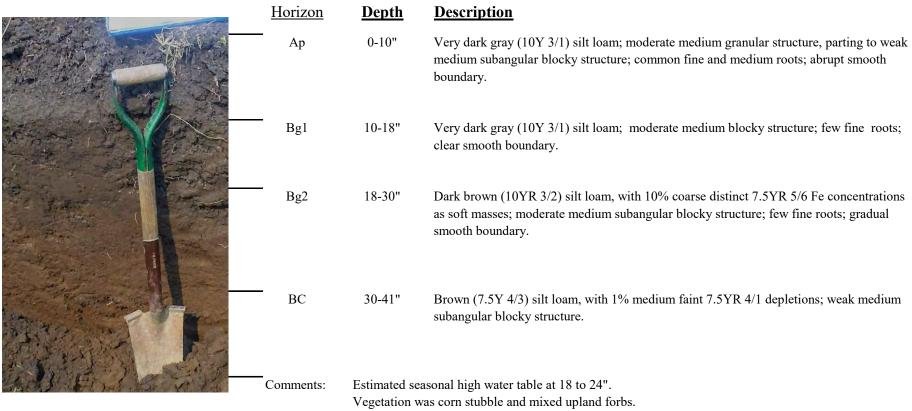
Figure 5: Test pit locations on Elmwood Road site.

PIT 1 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY



Estimated seasonal high water table at 10 to 12". Groundwater entered pit at 36" depth, rising to 29" within 1/2 hour and to 20" in four hours. Vegetation is corn stubble and mixed upland and wetland herbs.

PIT 2 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY



PIT 3 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY

<u>Horizon</u>	<b>Depth</b>	<b>Description</b>
Ap	0-11"	Very dark gray (7.5YR 3/1) silt loam; strong medium granular structure; many fine and medium roots; abrupt smooth boundary.
- Apx	7-11"	(Plow pan; color as above but compact, dense & structureless, with few very fine roots.)
Bg1	11-30"	Dark gray (7.5YR 4/1) silt loam; moderate medium blocky structure; few very fine roots; gradual smooth boundary.
Bg2	30-44"	Brown (7.5YR 4/2) silt loam, with 15% fine prominent 7.5YR 5/6 Fe concentrations as soft masses, and 1% fine faint 7.5YR 5/1 depletions; moderate medium subangular blocky structure; clear smooth boundary.
С	44-47"	Mixed 50% brown (7.5Y 4/4) Fe concentrations as soft masses and 50% gray (7.5YR 5/1) depletions; silt loam; moderate medium subangular blocky structure.

Comments:

Estimated seasonal high water table at 30 to 36".

Vegetation was corn stubble and mixed upland forbs.

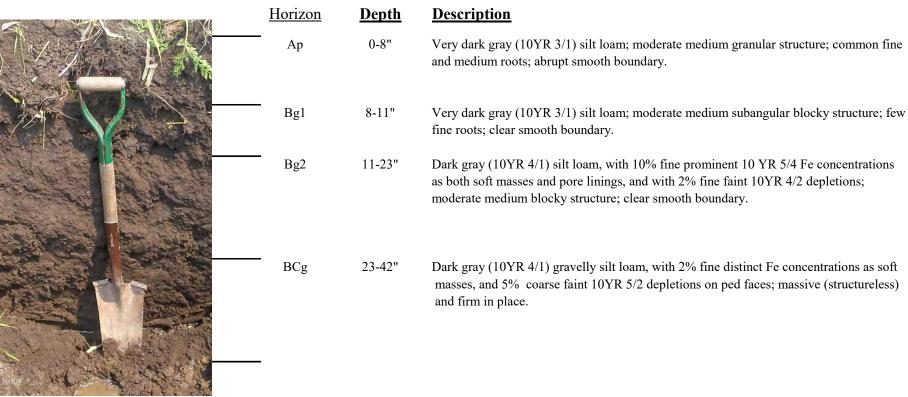
PIT 4 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY

<u>Horizon</u>	<b>Depth</b>	<b>Description</b>
Ap	0-7"	Very dark gray (10YR 3/1) silt loam; moderate medium granular structure; common fine and medium roots; clear smooth boundary.
Bg1	7-17"	Very dark gray (10YR 3/1) silt loam; moderate medium subangular blocky structure; few fine and medium roots; clear wavy boundary.
Bg2	17-40"	Brown (10YR 4/2) silt loam, with 5% distinct 7.5 YR 4/4 Fe concentrations as soft masses, and 1% faint 10YR 4/1 depletions; moderate medium blocky structure; few medium roots clear smooth boundary.
Cg	40-44"	Brown (7.5YR 4/2) silt loam, with 5% coarse faint 7.5YR 2.5/1 MnO concentrations as soft masses and 1% fine distinct 7.5 YR 4/4 Fe concentrations as soft masses; weak medium subangular blocky structure.

Comments: Estimated seasonal high water table at 17 to 23".

Vegetation was corn stubble and mixed upland forbs.

PIT 5 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY



Comments: This is a hydric soil, meeting indicator A11.

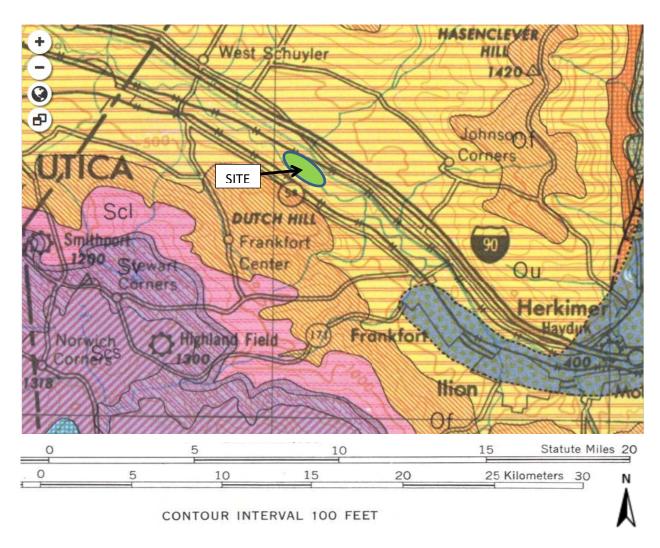
Estimated seasonal high water table at 11 to 17". Water slowly seeped into pit bottom over 1/2 hour. Vegetation was corn stubble and mixed upland & wetland forbs.

PIT 6 Wetland Trust Property, Elmwood Road site, Herkimer Co., NY

<u>Horizon</u>	<b>Depth</b>	<u>Description</u>
Ap	0-7"	Very dark gray (7.5YR 3/1) silt loam; strong medium granular structure; common fine and medium roots; abrupt smooth boundary.
Bw	7-15"	Very dark gray (7.5YR 3/1) silt loam; moderate medium subangular blocky structure; common fine roots; clear smooth boundary.
Bg1	15-26"	Dark gray (7.5YR 4/1) silt loam, with 15% fine distinct 7.5YR 5/4 Fe concentrations as soft masses and few root stains; moderate medium subangular blocky structure; few fine roots; clear smooth boundary.
Bg2	26-40"	Dark gray (7.5YR 4/1) silt loam, with 20% fine distinct 7.5YR 5/4 Fe concentrations as soft masses; weak medium subangular blocky structure; clear smooth boundary.
Cg	40-42"	Mixed dark gray (7.5Y 4/1) and brown (7.5YR 5/4) silt loam, with Fe concentrations as soft masses; silt loam; weak medium subangular blocky structure.

Comments:

Estimated seasonal high water table at 15 to 21". Water seeped into pit bottom to 39" over 1/2 hour. Vegetation was corn stubble and mixed upland & wetland forbs.



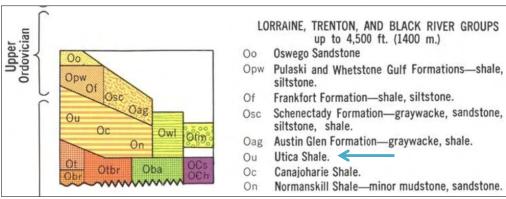




Figure 6: Bedrock geology map, showing site within area of black Utica Shale (Fisher et al., 1970).

While the dark colors interfered somewhat with efforts to recognize faint depletions within a darker gray matrix, Fe accumulations were quite evident as distinct and prominent soft masses. Depth and distribution of plant roots were in keeping with recognized redox features, with more and larger roots occurring in horizons with few or no redox features. In the end, the hydric soil indicators seemed to work adequately with careful observations and were applied in the usual manner (US Army Corps of Engineers, 2012). A number of piezometers installed by The Wetland Trust in 2019 should help to better define water table depths going forward.

Soil Suitability for Wetland Creation: Both the poorly drained Wayland areas (near pits 1 and 5) have naturally occurring water tables near a foot of the surface and would need little or no excavation. The well drained Hamlin area (around pit 3) would likely need around two feet of excavating to approach the water table. The predominately silt loam textures throughout the site can store relatively high amounts of plant-available water in all the soil profiles. As demonstrated by the plow pan layer described in pit 3, and by hydrophytes and standing water observed in wheel ruts scattered across the fields, soil compaction efforts would significantly reduce vertical permeability and help impound precipitation. Existing drainage ditches can be plugged or have hydrologic control structures installed to help maintain elevated water tables. Relatively flat surface slopes would further enable water table controls to be effective over an extended area. (Site topography and relative elevations of the barge canal to the north and the Mohawk River to the south favor groundwater flow paths trending from northwest to southeast.) Combined, these soil and drainage features appear to favor long-term wetland creation potential at this site.

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