Stream Characterization	Date: 8/30/2019	Time: 11:00 AM Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	26	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain)	0	A. Stream habitats present: Pool(s) Riffles(s) X 5. Stream Velocity: fast moderate 6. Nature of the particles in the s	RUN(S) N/A slow X N/A tream bottom:	Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	75 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream:	large woody debris in
left 20 ft righ e) Approximate depth of pool(s):		7. Presence of naturally occin stream: None X Occasional	Unknown Plentiful	12. Pick the category trextent to which vegetation 0% X 25%	
Plant Species Adjacent to stream (scie Trees: Populus delfoides, Salio		Facing upstream, does this str for 50 feet on the: left side <u>yes</u> What is the % cover of <u>trees</u> per	right side <u>yes</u>	Pick the description bank and the channel (fa) Stream bank:	that best fits the stream acing upstream):
Understory: Phragmites australis, Lythrum Phalaris arundinacea, Cyperu		left side <u>5</u> % Facing upstream, does this strea for 50 feet on the: left side <u>yes</u>	right side5_%	Left Ve	Right rtical/undercut bly sloping (>30°) Al/No slope (<30°)
Discovery control of the streambank of the strea	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape Iders/Rocks (Rip Rap) Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand Bare Soil vement, Structures	Right PC X X X X X X X X X X X X X X X X X X	Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natural Shelvin Chang Destru Presen Wracki Vegeta Sedime Leaf litt Scour X Deposi Multiple X X Chang 17. Waters Type DELIN TNW RPWM RPWM	Narrow, Deep Narrow, Shallow Mark Determination heck "U" if used to determ line impressed on the bag gs in the character of soil tion of terrestrial vegetatice of litter and debrising tion matted down; bent, ont sorting er disturbed or washed and tion so observed flow events d banks staining in plant community	Wide, Deep X Wide, Shallow Thine OHVM Thine OHVM
Natural Strea Banl Garbagefju Foar Mud, sitt, or s: Garba Yard waste on Livestock in Active	amside plant cover degriks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the stage/junk in the stream a bank (clippings, leaves or with unrestricted accely discharging pipes Other pipes	arded am tream s, etc.)	X Invertebrates Birds Mammals Reptile/Amph Fish	List crickets	
Ditch	hes entering stream		Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-440 NOVEMBER 2022

Stream Characterization	Date: 9/17/2019	Time: 2:30pm Site:	ORD	County:	Cook
Field ID: Stream Ditch	Stream Name:	Ditch	27	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	Overcast Clear/Sunny a stream: 0-2 inches	4. Stream habitats present: Pool(s) Riffles(s) S. Stream Velocity: ast Moderate 6. Nature of the particles in the	RUN(S) N/A X slow N/A Stream bottom: e Little Some Most	Water Appearance: X clear milky foamy turbid light brown dark brown oily sheen orange greenish other:	10. Water Odor: sewage chlorine fishy rotten eggs organic other: X none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (chi	annel depth):	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or la stream: X None Occas	CO. DOOR CONTRACTOR CO
left 2-10 ft right e) Approximate depth of pool(s) X N/A	1-6 tt	bedrock 7. Presence of naturally ocin stream: None Occasiona	Unknown X Plentiful	25% x	
 Plant Species Adjacent to stream (sci Trees: 		8. Facing upstream, does this str for 50 feet on the: left side <u>no</u>	right side <u>no</u>	13. Pick the description the bank and the channel (faci	
Understory: Solidago sempervirens, Typh Phalaris arundinacea, Dipsac Persicaria lapathifolium	a angustifolia, us lanciniatus,	What is the % cover of trees per left side 0 % Facing upstream, does this streator 50 feet on the: left side no What is the % cover of shrubs processes and the shrubs processes are shrubs processes.	right side <u>0</u> % m have <u>shrub</u> cover right side <u>no</u>	Steeply	Right slafundercut sloping (>30°) No slope (<30°) Wide, Deep Wide, Shallow
D) From the top of the streambank of Left P C	m bank only (facing upst Trees Bushes, Shrubs 'all grasses, forbs maintained landscape (ders/Rocks/Rip Rap Gravel/Sand Bare Soil ant, Structures, Gabions	" if common	Check "P" if observed; Cl P U Natural Shelvin Change Destrue Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple X Bed an	Mark Determination heck "U" if used to determin line impressed on the bank g ss in the character of soil ction of terrestrial vegetation ce of litter and debris ng tion matted down; bent, or a ant sorting er disturbed or washed awa	e OHVM
15. In the vicinity of the stream, Che Left P C Natural Stree Ban Garbage/j Foa Mud, siit, or Garb	Bare Soil vernent, Structures seck "P" if present, "C" if co amside plant cover degrarks collapsed/eroded unk adjacent to the stream or sheen on bank sand in or entering the strage/junk in the stream age/junk in the stream	Right P C ded m eam	DELINI TNW TNWW X RPW RPWW	rio ake note of wildlife deterents such a List grasshoppers	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in Activ	n bank (clippings, leaves, or with unrestricted acce ely discharging pipes Other pipes hes entering stream			er east. Runoff from AMC a . Extends almost to Lawrenc	

APPENDIX L L-441 NOVEMBER 2022

Undestroty:	Note	Stream Characterization	Date: 9/17/2019	Time: 3:15pm Site:	ORD	County:	Cook
Starm (Newly rain) Overcast Asham habitats present New Name	Stream habitats present: Stream habitats prese	Field ID: Stream Oitch	Stream Name:	Ditch	28	Investigators:	CBM, BJH
c) Approximate with of stream; (charmon depth): In the stream of the stream of the stream of the stream (charmon): In the stream of the stream of the stream (charmon): In the stream of the stream o	c) Approximate width of steam (from top of bank) to top of bank) 12-15 ft grave (2-10° dam), and top of bank) 12-15 ft grave (2-10° dam), bedrook (10° dam), bedrook	Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water file	Overcast Clear/Sunny 2 stream: 3-4 inches ow:	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	Run(s) N/A stream bottom:	X clear milky foamy turbid light br dark br oily she orange greenis	sewage chlorine fishy rotten eggs oven own own seen none
Left	Second Province Trees Park Presence of neturally occurring organic material 1	c) Approximate width of stream: (from top of bank to top of bank)	12-15 ft g	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)		11. Presence of logs	contraction and and property and the second and the
Trees: Fraxinus americane	Trees: Fraxinus americane	e) Approximate depth of pool(s)	nt 1 tt 7	 Presence of naturally or in stream: 	Unknown	extent to which veget X 0%	tation <u>shades</u> the stream: 50% 100% 75%
Left side	Interstory:	Service Transport and a resistance of the service o		for 50 feet on the:	terrores and the second		
What is the % cover of shrubs per side of the stream? Narrow, Deep Wide, Deep	What is the % cover of shrubs per side of the stream? Narrow, Deep Wide, Deep		sempervirens F	left side 0 % Facing upstream, does this stre for 50 feet on the:	right side <u>15</u> % am have <u>shrub</u> cover	Left Ste	Vertical/undercut eeply sloping (>30°) dual/No slope (<30°) X
14. Describe the streamside cover. Check "P" if present, "C" if common 3)	14. Describe the streamside cover. Check "P" if present, "C" if common a) Along the water's edge and stream bank only (facing upstream): Left P C Trees					Narrow, Deep	Wide, Deep
TNW	TNW	a) Along the water's edge and strea Left P C X X Lawn, Bou Pavemi b) From the top of the streambank of Left P C	m bank only (facing upstrum bank only (facing upstrum) Trees Bushes, Shrubs all grasses, forbs maintained landscape Idders/Rocks/Rip Rap Gravel/Sand Bare Soil Bare Soil Bush, Structures, Gabions but to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	"if common ream): Right PC XXX Right PC XXX Right PC XX Right PC XX	16. Ordinary High Wate Check "P" if observed; C P U Nature Shelvi Chang Destri Prese Wrack Veget Sedir Leaf ii Scour Depos Multip Bed a X X Water Chang 17. Waters Type	r Mark Determination Check "U" if used to deter al line impressed on the ng ges in the character of section of terrestrial vegel nce of litter and debris ing ation matted down; bent ent sorting ter disturbed or washed ition le observed flow events nd banks staining ge in plant community	ermine OHVM bank oil tation t, or absent d away
Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/Junk adjacent to the stream Foam or sheen on bank Mud, sit, or sand in or entering the stream X Garbage/Junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes List Invertebrates Birds Mammals Reptile/Amphians Fish 19. Additional Comments Two sections separated by gravel access road to equipment shed.	Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream X Garbage/junk in the stream X Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream List Invertebrates Birds Mammals Reptile/Amphians Fish 19. Additional Comments Two sections separated by gravel access road to equipment shed.	15. <u>In the vicinity of the stream</u> , Che	vement, Structures	ommon:	TNW TNW RPW RPW	v vD	NRPWW ISOLATE UPLAND X TNWRPW
Actively discharging pipes Two sections separated by gravel access road to equipment shed. Other pipes	Actively discharging pipes Other pipes Ditches entering stream Two sections separated by gravel access road to equipment shed.	Natural Strei Ban Garbage Foa Mud, silt, or s X Garbi Yard waste or	ks collapsed/eroded unk adjacent to the strean m or sheen on bank sand in or entering the stre age/junk in the stream n bank (clippings, leaves,	eam X	Invertebrate: Birds Mammals Reptile/Amp	List hians	such as bird wires)
Ditches entering stream Datashoot entered by: Last Poviced: 00/25		Activ	ely discharging pipes Other pipes	ess	Two sections sepa		

APPENDIX L L-442 NOVEMBER 2022

Stream Characterization	Date: 9/17/2019	Time: 3:30pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	29	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	4 inches	4. Stream habitats present: Pool(s)	Run(s) N/A slow X N/A stream bottom:	9. Water Appearance: X clear milky foamy turbid light brov dark bro oily shee orange greenish other:	sewage chlorine fishy rotten eggs vn organic vn other: an none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	3.8	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	stream: X None Oc	or large woody debris in
e) Approximate depth of pool(s):		7. Presence of naturally od in stream: None Occasiona	Unknown X Plentiful		that best describes the tion shades the stream: 50% 100% 75% other%
Plant Species Adjacent to stream (sciences: Trees:	entific name):	Facing upstream, does this st for 50 feet on the: left side	right side <u>no</u>	Pick the description bank and the channel (Stream bank:	on that best fits the stream (facing upstream):
Understory: Typha angustifolia, Solidago s	sempervirens	left side 0 0 % Facing upstream, does this stream for 50 feet on the: left sideno	right side0_%	Left Vo	ertical/undercut sply sloping (>30°) ual/No slope (<30°) X
X X T			0 Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natural Shelvin Chang Destru	heck "U" if used to deter I line impressed on the b g es in the character of soi ction of terrestrial vegeta ce of litter and debris	Wide, Deep Wide, Shallow
X X Lawn,	Bare Soil bructures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks	Right P C	Vegeta Sedime Leaf ilit Scour Deposi Multiple Bed an Water : X X Change	tion matted down; bent, ent sorting er disturbed or washed a	away
15. In the vicinity of the stream, Che	Gravel/Sand Bare Soil vement, Structures eck "P" if present, "C" if o	x x x common:	17. Waters Type X DELINI TNW TNWM RPW RPWM		RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW
P C Natural Stree Banl Garbagefju Foal Mud, silt, or s Garba	amside plant cover degra ks collapsed/eroded unk adjacent to the strea m or sheen on bank and in or entering the st age/junk in the stream n bank (clippings, leaves	raded P C		ake note of wildlife deterents s. List butterflies	
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		19. Additional Comments Roadside ditch alon Datasheet entered by:	g Mannheim service roa	d near Wally Park. Last Revised: 09/25

APPENDIX L L-443 NOVEMBER 2022

Stream Characterization	Date: 8/13/2019	Time: 4:15pm Site:	ORD	County:	Cook
Field ID: Stream/Ditch	Stream Name:	Ditch (30	Investigators:	ВЈН, СВМ
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) Showers (intermittent rain)	3-4 ft	INTE A. Stream habitats present: Pool(s)	RMITTENT Run(s) N/A X slow N/A	9. Water Appearance:	
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	65-70 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	Time Come in Cost	11. Presence of logs or l stream: X None Occa	
e) Approximate depth of pool(s): X N/A		7. Presence of naturally occ in stream: None Occasional	X Unknown Plentiful	12. Pick the category that extent to which vegetatio X 0% 25%	
Plant Species Adjacent to stream (scient sees: N/A	antific name):	Facing upstream, does this street for 50 feet on the: left sideno	right side <u>no</u>	13. Pick the description to bank and the channel (fa	
Understory: Lythrum salicaria, Phragmites Juncus nodosus, Eleocharis p	australis, palustris	What is the % cover of <u>trees</u> per left side 0 % Facing upstream, does this strear for 50 feet on the:	right side 0 %	Steepl	Right
upland; Dipsacus laciniatus, N. 14. Describe the streamside cover.	Check "P" if present, "C	What is the % cover of <u>shrubs</u> po 0% 1% C" if common	9-06 Vid-66 (0)(0)(65 Co)(70(0)	b) Shape of the channel Narrow, Deep Narrow, Shallow Mark Determination	: Wide, Deep X Wide, Shallow
X X Lawn, X Boul Paveme b) From the top of the streambank o Left P C X X X X T X X X Lawn,	Trees Bush Shrubs fall grasses, forbs maintained landscape Iders/Rock-(Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions tut to 50 fee t: Trees Bushes, Shrubs fall grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	Right P C X X X X X	P U Natural Shelvin Change Destruct X Presen Wrackin Vegetat Sedime Leaf litt Scour Deposit Multiple Bed an Waters X X Change	ss in the character of soil cition of terrestrial vegetation ce of litter and debris ig iion matted down; bent, or int sorting er disturbed or washed aw iion observed flow events d banks staining e in plant community	on absent vay RPWNN
15. In the vicinity of the stream, Che Left P C Natural Strea Banl Garbage/ju Foat Mud, silt, or s Garba	Bare Soil vernent, Structures cack "P" if present, "C" if camside plant cover degra ks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the stage/junk in the stream to bank (clippings, leaves	Right P C raded am tream	X TNW TNWW RPW RPWW	D ske note of wildlife deterents such List dragonfly herron, mallard	NRPW NRPWW ISOLATE UPLAND TNWRPW a as bird wires)
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream			and 72" culvert present; o maintained lawn on both s	6 N A

APPENDIX L L-444 NOVEMBER 2022

Stream Characterization	Date: 9/25/2019	Time: 10:55am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditcl	n 31	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	n stream: 2-4 inches	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	slow X N/A	9. Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	3-10 π	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream:	large woody debris in
left 10 inches righ e) Approximate depth of pool(s): X N/A		7. Presence of naturally of in stream:	1 2 20000000000000000000000000000000000	12. Pick the category th extent to which vegetation 0% Z5% X	on <u>shades</u> the stream: 50% 100%
Plant Species Adjacent to stream (sci Trees:		8. Facing upstream, does this s for 50 feet on the: left sideno_	right sideyes	bank and the channel (fa	that best fits the stream acing upstream):
Understory:		What is the % cover of <u>trees</u> p left side 0 % Facing upstream, does this stre for 50 feet on the: left side no What is the % cover of <u>shrubs</u>	right side 5 % earn have shrub cover right side no per side of the stream?	X Steep Gradus b) Shape of the channe Narrow, Deep	Wide, Deep
X X Lawn, Boul Paveme b) From the top of the streambank of Left P C T Lawn, Boul	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil	Right PC XXX	P U Natura Shelvir She	heck "U" if used to determ Il line impressed on the bai ig se in the character of soil ction of terrestrial vegetati ce of litter and debris ng tion matted down; bent, of ant sorting ter disturbed or washed av	nk on r absent
15. In the vicinity of the stream, Che Left P C Natural Strea Ban Garbage/ju Foa Mud, silt, or s X Garbs	Bare Soil vement, Structures	Right P C aded	DELIN TNW TNWM RPW RPWM	// X Aske note of wildlife deterents such	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in X Activ	or with unrestricted according to the control of th		19. Additional Comments 24" culvert at east e	end and near intersection	Last Revised: 09/25

APPENDIX L L-445 NOVEMBER 2022

Stream Characterization	Date: 9/26/& 9/27	Time: 6:00pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Dit	tch 32	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	0-6 inches	A. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast modera		9. Water Appearance:	other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	5 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	X	11. Presence of logs or stream: X None Occ	r large woody debris in
e) Approximate depth of pool(s):	it Constitution of the Con	in stream: None Occasi	https://doi.org/10.0000/10.000000000000000000000000000		hat best describes the ion <u>shades</u> the stream: 50%
Plant Species Adjacent to stream (scient Species: Rhamnus cathartica, Fraxinus	CONTRACTOR STATE AND AND	Facing upstream, does this for 50 feet on the: left side <u>yes</u>	right side <u>no</u>	13. Pick the description bank and the channel (f	n that best fits the stream facing upstream):
Understory: Solidago sempervirens, Typhi Phragmites australis	a angustifolia,	What is the % cover of <u>trees</u> left side 10 ° Facing upstream, does this s for 50 feet on the: left side <u>yes</u>	% right side <u>0</u> %	X Steep X Gradu	ortical/undercut bly sloping (>30°) al/No slope (<30°) X
14. Describe the streamside cover.	Check "P" if present, "C	What is the % cover of shrut 50% 0 C" if common	os per side of the stream? Observer initials: 16. Ordinary High Water	b) Shape of the channe Narrow, Deep X Narrow, Shallow Mark Determination	Wide, Deep Wide, Shallow
a) Along the water's edge and stream Left P C X X X X X X T Lawn, Boul Paveme b) From the top of the streambank of Left P C X X X T Lawn, Lawn, Boul T T X Lawn, Lawn, Boul	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ant, Structures, Gabions tut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	Right P C X X	Check "P" if observed; C P U Natura Shelvir Chang Destru Presen Wracki Vegeta Sedim Leaf lit Scour Deposi Multipl Bed an Water X X Chang	heck "U" if used to detern line impressed on the ba- ges in the character of soil ction of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, can ant sorting er disturbed or washed at tion e observed flow events d banks staining e in plant community	ink or absent way RPWNN
15. <u>In the vicinity of the stream</u> , Che Left P C Natural Strea	amside plant cover degra ks collapsed/eroded	Right P C	X Invertebrates	I .	
Foal Mud, silt, or s X Garba Yard waste on Livestock in Active	unk adjacent to the stream or sheen on bank and in or entering the st age/junk in the stream hank (clippings, leaves or with unrestricted accely discharging pipes	tream		hipping along south side o	of ditch; flows east
X	Other pipes hes entering stream		toward Mannheim F Datasheet entered by:	td?	Last Revised: 09/25

APPENDIX L L-446 NOVEMBER 2022

Stream Characterization	Date: 9/27/2019	Time: 9:30am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Dito	h 33	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	n stream:	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: moderat 6. Nature of the particles in the		Water Appearance:	sewage chlorine fishy rotten eggs wn organic other: en X none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	25 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	stream:	or large woody debris in
left 6 ft righ e) Approximate depth of pool(s): X N/A		7. Presence of naturally in stream:	House I I I House House	extent to which vegeta	that best describes the tition shades the stream: X 50% 100% 75% other%
Plant Species Adjacent to stream (scient scient) Rhamnus cathartica		8. Facing upstream, does this for 50 feet on the: left sideyes	right side <u>no</u>	bank and the channel	on that best fits the stream (facing upstream):
Understory: Solidago sempervirens, Typha angustifolia		What is the % cover of trees to left side 50 % Facing upstream, does this street for 50 feet on the: left side	right side 0 % eam have shrub cover right side no sper side of the stream?	X Stee X Grad b) Shape of the chann Narrow, Deep	Wide, Deep
X X Lawn, Boul Paveme b) From the top of the streambank o Left P C X X X T X Lawn, Boul	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape lders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	Right PC XXX XX XX	Shelvin Chang Destrut Presen Wracki Vegeta Sedim Leaf lit Scour Deposi Multipl Bed an Vater	heck "U" if used to deter line impressed on the b g ss in the character of soi ction of terrestrial vegeta ce of litter and debris ing tion matted down; bent, ant sorting ter disturbed or washed	ormine OHVVM brank il attion or absent
15. In the vicinity of the stream, Che Left P C Natural Strea Bani Garbage/ju Foat Mud, silt, or s Garba	Bare Soil vement, Structures	Right P C aded I I I I I I I I I I I I I I I I I I	X DELINI TNW TNWW RPW RPWW	/D ake note of wildlife deterents s List bees, butterflie	NRPW ISOLATE UPLAND TNWRPW such as bird wires)
Livestock in X Active	or with unrestricted according pipes ely discharging pipes Other pipes hes entering stream		19. Additional Comments 30" culvert on left si 30" culvert at west of Datasheet entered by:	9 0	n; 12" side culvert on right Last Revised: 09/25

APPENDIX L L-447 NOVEMBER 2022

Stream Characterization	Date: 9/17/2019	Time: 4:10pm Si	te:	ORL	,	Cou	nty:			Cook	
Field ID: Stream Oitch	Stream Name:		Ditch 34			Inve	stigators:			CBM,	ВЈН
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water flow	Overcast Clear/Sunny stream:	Stream habitats prese Pool(s) Riffles(s) Stream Velocity: fast model A. Stream Pool(s) Riffles(s) Stream Velocity: fast model A. Nature of the particles	X N/. oderate :	un(s) A	PERENNIAL N/A	9. W	ater Appearan clear milky foamy turbid light k dark k oily sl orang green other:	y I orown brown heen ge nish	none X	ch fisi rot org	wage lorine hy ten eggs ganic ner:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char left 10 inches right e) Approximate depth of pool(s):	50 π nnel depth):	sit/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of natu in stream:		ng organic		X 12. F	Presence of log stream:	gs or la Occas ory tha petation	t best de shade 50%	Pleescribes to street	entiful
X N/A 2. Plant Species Adjacent to stream (scient Trees: Understory: Typha angustifolia, Phragmites Solidago sempervirens, Lythru	: australis,		o <u>rig</u> rees per side) % rig	tht side	no_ eam? 0_%	bank		verti	cing ups cal/under	tream): ercut	Right X
14. Describe the streamside cover. a) Along the water's edge and stream Left P C Ta Lawn, n Lawn, n Bould	Check "P" if present, "C I bank only (facing upsi Trees Bushes, Shrubs Il grasses, forbs naintained landscape lers/Rocks/Rip Rap Gravel/Sand Bare Soil It, Structures, Gabions It to 50 fee t:	left side n What is the % cover of s 0 " if common tream): Right P (X)	0 Ob	oserver init i. Ordinar	ials: y High Water f observed; Ch U Natural Shelvin; Change Destruc Presen; Wrackir Vegetart Sedime Leaf litt Scour Deposit	X Mark I Mark I I I I I I I I I I I I I I I I I I I	nape of the chi Narrow, Deej Narrow, Shal Determination I" if used to de pressed on the e character of terrestrial veg ter and debris atted down; be ing urbed or washi	annel: p p llow n etermine band soil getation ent, or ed awa	Wine OHW k	Wide, De de, Shall	ер
X X Pav 15. In the vicinity of the stream, Checleft P C Natural Stream	Trees bushes, Shrubs II grasses, forbs naintained landscape toulders/Rocks Gravel/Sand Bare Soil ement, Structures ck "P" if present, "C" if c mside plant cover degras s collapsed/eroded	Right P (17		Bed and Water s X Change	d banks taining in plai ATE	nt community			RPWNN NRPW NRPWW IUPLAND TNWRPN Tes)	
Garbage/jui Foari Mud, silt, or sa Garbag Yard waste on Livestock in d X Active	nk adjacent to the strea o or sheen on bank nd in or entering the str ge/junk in the stream bank (clippings, leaves, or with unrestricted acco ly discharging pipes Other pipes es entering stream	ream , etc.)		0. Additions	Birds Mammals Reptile/Amphi Fish Il Comments Phragmites do		ed ditch behin	d park	10.00	ast Revis	ed: 09/25

APPENDIX L L-448 NOVEMBER 2022

Stream Characterization	Date: 9/19/2019	Time: 8:15am Site	e: ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:		Ditch 35	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water flo	6 inches	Stream habitats present Pool(s) Riffles(s) Stream Velocity: fastmoc Asture of the particles	Run(s) X N/A derate slow X N/A	N. 9. Water Appearance:	sewage chlorine fishy rotten eggs organic vm other: an none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	15 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs o stream: None X Occ	or large woody debris in
left 35 ft righ e) Approximate depth of pool(s): X N/A		in stream:	ally occurring organic material Unknown asional X Plentiful	extent to which vegetat 0%	that best describes the tion shades the stream: 50% 100% 75% other%
Plant Species Adjacent to stream (scient Trees:	entific name):	for 50 feet on the: left side <u>no</u>		13. Pick the description	on that best fits the stream (facing upstream):
Understory: Typha angustifolia, Solidago s Dipsacus laciniatus, Rhamnus		left side 0	ees per side of the stream? """ right side 0 "" s stream have shrub cover s right side yes	X Stee Gradu	ertical/undercut aply sloping (>30°) ual/No slope (<30°)
Di From the top of the streambank of Left X X X T Lawn, Boul Paveme b) From the top of the streambank of Left X X X T T Lawn, Pavement of the stream of the stream of the stream of the stream. 15. In the vicinity of the stream of the s	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand Bare Soil vement, Structures	Common: Stream): Right PC XXX XX Right PC XXX XX Right	16. Ordinary High Wa Check "P" if observed; P U Natu Shel Chai Dest Pres Wrac Vege Sed Leaf Scool Depi Multi Red Waters Type DEL TNW TNW X RPW	nges in the character of soil rouction of terrestrial vegetal ence of litter and debris sking station matted down; bent, ment sorting litter disturbed or washed a resistion ple observed flow events and banks er staining nge in plant community	Wide, Deep Wide, Shallow X mine OHVM ank Ittion or absent away RPWNN NRPW NRPW ISOLATE UPLAND TNWRPW TNWRPW
P C Natural Stree Bani X Garbage/ju Foai Mud, silt, or s Garbae Yard waste on	amside plant cover degra ks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the st age/junk in the stream bank (clippings, leaves or with unrestricted acc	aded P C C C C C C C C C C C C C C C C C C	18. Observed Fauna Invertebrat Birds Mammals Reptile/Am Fish	(make note of wildlife deterents substitution of the seed of the s	
Active	ely discharging pipes Other pipes hes entering stream		flows toward Cyrs Datasheet entered by:	stal Creek	Last Revised: 09/25

APPENDIX L L-449 NOVEMBER 2022

Stream Characterization	Date: 9/19/2019	Fime: 8:15am Si te	: ORE)	County:	Cook
Field ID: Stream Oitch	Stream Name:		Ditch 36		Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water file	Overcast Clear/Sunny 4 n stream: 3-4 inches	B. Circle flow regime: Stream habitats present Pool(s) Riffles(s) Stream Velocity: fast Mature of the particles in	Run(s) X N/A erate X slow	N/A	9. Water Appearant X clear milky foamy turbid light b dark t oily st orang green	sewage chlorine fishy rotten eggs organic orown orown heen y none p none ish
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (che	45 ft g	silt/clay/mud sand gravel cobbles (2 - 10" diam.) poulders (> 10" diam.)	X	X	11. Presence of log	gs or large woody debris in Occasional Plentiful
left 15 ft right e) Approximate depth of pool(s)	nt 15 π 7	in stream:	asional X	material Unknown Plentiful		ory that best describes the etation shades the stream: 50%
Plant Species Adjacent to stream (sci Trees: Fraxinus pennsylvanica	f	3. Facing upstream, does to 50 feet on the: left sideyes	The second secon	<u>e</u> cover yes		ption that best fits the stream nel (facing upstream):
Understory: Typha angustifolia, Phragmite Euthamia graminifolia, Vitis ri	es australis, F	What is the % cover of tree left side 15 Facing upstream, does this or 50 feet on the: left side yes	_% right side s stream have <u>shrub</u>	10%	Gr	Vertical/undercut Steeply sloping (>30°) xadual/No slope (<30°)
	V	What is the % cover of <u>shi</u> 5% 5%			b) Shape of the cha Narrow, Deep X Narrow, Shall	p Wide, Deep
X X Lawn, X Bou Pavem b) From the top of the streambank of Left P C X X T	m bank only (facing upstr Trees Bushes, Shrubs all grasses, forbs maintained landscape Iders/Rocks/Rip Rap Gravel/Sand Bare Soil Bushes, Strubs att to 50 fee t: Trees Bushes, Strubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	if common	16. Ordinar	y High Water if observed; Ch U Natural Shelvin; Change Destruc Present Wackin Vegetat Sedime Leaf litte Scour Deposit Multiple Bed and Water s X Change	Mark Determination neck "U" if used to de line impressed on the g is in the character of it on of terrestrial vegree of litter and debris ig ion matted down; bernt sorting er disturbed or washe ion observed flow event d banks taining in plant community	n etermine OHVM e bank soil etetation int, or absent ed away ts
15. <u>In the vicinity of the stream</u> , Che	Bare Soil vement, Structures eck "P" if present, "C" if co	Right	X	DELINE TNW TNWW RPW RPWWI	D	NRPW NRPWW ISOLATE UPLAND TNWRPW
Ban Garbage/i Foa Mud, silt, or s X Garbi Yard waste or	amside plant cover degrac ks collapsed/eroded unk adjacent to the strean m or sheen on bank sand in or entering the stre age/junk in the stream n bank (clippings, leaves,	etc.)		Invertebrates Birds Mammals Reptile/Amphi Fish	ke note of wildlife deterent List butterflies, gra	
Activ	or with unrestricted acce ely discharging pipes Other pipes hes entering stream	X	culver	es SE65?	rains to Cyrstal Creel	k Last Revised: 09/25

Stream Characterization	Date: 9/27/2019	Time:	Site:	ORD	County:	DuPage
Field ID: Stream Otch	Stream Name:		Ditch 3	7	Investigators:	ВЈН
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in X N/A b) Approximate width of water flo		Circle flow re Stream habi Pool(s) Riffles(Stream Velo fast Nature of th	s) X city: moderate e particles in the str	Run(s) N/A slow X N/A ream bottom: Little Some Most	9. Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	3.8	silt/clay/mud sand gravel cobbles (2 - 10 boulders (> 10' bedrock	" diam.)	X	become and the second s	asional Plentiful
e) Approximate depth of pool(s): X N/A 2. Plant Species Adjacent to stream (soi	t	in strea	nm: Occasional	urring organic material Unknown X Plentiful am have <u>tree</u> cover	12. Pick the category the extent to which vegetation 0% X 25%	
Trees:	0.0000000000000000000000000000000000000	for 50 feet on the		right side <u>no</u>	Pick the description bank and the channel (fa	
X X Lawn, Boul Paveme b) From the top of the streambank o Left P C X X X	Check "P" if present, m bank only (facing up Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabion ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs	left side Facing upstrea for 50 feet on ti left side What is the % (0 C° if common stream):	m, does this stream he: no cover of <u>shrubs</u> pe	right side 0 % n have shrub cover right side no r side of the stream? Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natural Shelvin Chang Destru Presen Wracki Vegeta Sedim Leaf litt Scour Deposi Multiple Bed an Water	Steep Gradue Narrow, Deep X Narrow, Shallow Mark Determination heck "U" if used to determ I line impressed on the bar g as in the character of soil cition of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, or ant sorting er disturbed or washed aw tion e observed flow events d banks staining	Wide, Deep Wide, Shallow ine OHWM
15. In the vicinity of the stream, Che Left P C Natural Stree Banl X Garbage/it Foat Mud, silt, or s Garba Yard waste on Livestock in	maintained landscape Boulders/Rocks Gravel/Sand Bare Soil vement, Structures cck "P" if present, "C" if amside plant cover deg ks collapsed/eroded unk adjacent to the stre m or sheen on bank and in or entering the s tge/junk in the stream to bank (clippings, leave or with unrestricted by discharging pipes	raded am stream s, etc.)	Right P C	17. Waters Type X DELINI TNW TNW RPW RPW	/D ake note of wildlife deterents such	RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW as bird wires)
	Other pipes hes entering stream			Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-451 NOVEMBER 2022

Stream Characterization	Date: 9/26/2019	Time: 5:05pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	38	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	Overcast Clear/Sunny stream: 4-6 inches	4. Stream habitats present: Pool(s) Riffles(s) S. Stream Velocity: fast moderate 6. Nature of the particles in the	Run(s) N/A slow X N/A stream bottom:	9. Water Appearance: X clear milky foamy turbid light brov dark brov oily shee orange greenish other:	sewage chlorine fishy rotten eggs vn organic vn other: an none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	30 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	stream:	or large woody debris in
left 15 ft right e) Approximate depth of pool(s): X N/A		7. Presence of naturally oc in stream: None Occasiona	Unknown X Plentiful	extent to which vegetat	that best describes the tion shades the stream: 50%100% 75%%
Plant Species Adjacent to stream (sci Trees:	entered to the state of the sta	8. Facing upstream, does this st for 50 feet on the: left side	right side <u>no</u>	bank and the channel (on that best fits the stream (facing upstream):
Understory: ———————————————————————————————————	n salicaria,	What is the % cover of trees peleft side 0 % Facing upstream, does this street for 50 feet on the: left sideno_ What is the % cover of shrubs	right side <u>0</u> % am have <u>shrub</u> cover right side <u>no</u>	X Stee Gradu b) Shape of the chann	
X X Lawn, Boul Paveme b) From the top of the streambank of Left P C T Lawn, Lawn, Boul	Check "P" if present, "C m bank only (facing upst Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	ream): Right PC XXX	Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natural Shelvin Chang Destru X Presen Vegeta Sedime Leaf lit Scour Deposi Multiple Bed an Water X X Change	heck "U" if used to detern lline impressed on the b ges in the character of soi ction of terrestrial vegeta ce of litter and debris ng tion matted down; bent, ant sorting er disturbed or washed a tion e observed flow events d banks staining e in plant community	mine OHVMI ank I Ition or absent
15. In the vicinity of the stream, Che Left P C Natural Strea Ban X Garbage/ju Foa Mud, silt, or s Garba	Bare Soil vernent, Structures beck "P" if present, "C" if commissive plant cover degraks collapsed/eroded unth adjacent to the stream or sheen on bank and in or entering the strage/junk in the stream to bank (clippings, leaves,	Right P C	X DELINI TNW TNWW RPW RPWM 18. Observed Fauna (m Invertebrates Birds Mammals Reptile/Amph Fish	/D ake note of wildlife deterents su	NRPW NRPWW ISOLATE UPLAND TNWRPW uch as bird wires)
Livestock in Activ	or with unrestricted acce ely discharging pipes Other pipes hes entering stream		right side: 2 36" culverts	tes filled ditch with culve , 1 48" culvert with grate nd culverts with wall	orts s from stockpile to north Last Revised: 09/25

Stream Characterization	Date: 8/30/2019	Time: 1:30pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Dit	tch 39	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain)	Overcast Clear/Sunny stream: 4-6 inches			clear milky foarny turbid light brown dark brown oily sheen	10. Water Odor:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char	35 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of naturally	None Little Some Most X Coccurring organic material	other: 11. Presence of logs or la stream: X None Occas 12. Pick the category that	ional Plentiful
e) Approximate depth of pool(s): X N/A 2. Plant Species Adjacent to stream (scien		in stream: None Occasi 8. Facing upstream, does this		25%	50% X 100% 75% other%
Trees:		for 50 feet on the: left side yes What is the % cover of trees left side 3	right side <u>no</u> per side of the stream? % right side <u>0</u> %	Pick the description the bank and the channel (facion) Stream bank: Left	ing upstream): Right
Understory: Phragmites australis, Lythrum: Typha angustifolia	j	Facing upstream, does this s for 50 feet on the: left side <u>no</u> What is the % cover of <u>shrul</u>	right side <u>no</u>	Steeply	cal/undercut sloping (>30°) No slope (<30°) Wide, Deep Wide, Shallow
X X Bould A Bould Pavemer b) From the top of the streambank ou Left P C X X Ta Lawn, n E Lawn, n	Trees Sushes, Shrubs Mill grasses, forbs maintained Landscepe ders/Rock/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions		16. Ordinary High Water Check "P" if observed; CI P U Natural Shelvin Change Destruu X Presen Wracki Vegeta Sedime Leaf littl Scour Deposi Multiple X X Bed an Water s	Mark Determination heck "U" if used to determin Il line impressed on the bank ig es in the character of soil ction of terrestrial vegetation ce of litter and debris ng tion matted down; bent, or a ent sorting er disturbed or washed awa	e OHVMM
15. In the vicinity of the stream, Check Left P C Natural Stream Bank Garbage/jui Foam Mud, silt, or sa X Garbag	Bare Soil ement, Structures	Right P C Ided m Ideam X	DELINI TNW TNWW RPWW	/ X Aske note of wildlife deterents such a List butterfly	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in a	bank (clippings, leaves, or with unrestricted acce ly discharging pipes Other pipes ees entering stream		19. Additional Comments Bird wire at er	ntry point of Silver Creek	Last Revised: 09/25

APPENDIX L L-453 NOVEMBER 2022

Stream Characterization	Date: 8/19/2019	Time: 3:30	Jpm Site:		3	טאט		Cou	nty:			Cool	Κ	
Field ID: Stream/Ditch	Stream Name:		D	itch 40)	~ ~		Inve	stigator	's:		С	ВМ	
Weather in the past 24 hours:	190	3. Circle flow r	egime:	EPHEN	/IERAL	PERI	ENNIAL	9. W	ater Appe	arance:		10. Wa	ter Oc	or:
Storm (heavy rain)	Overcast			INTERI	MITTEN		777	ACCO LACCO		lear		ΧS	sewage	ė
Rain (steady rain) X	Clear/Sunny	4. Stream habi	tats present:					1	X m	nilky			hlorine	ė
Showers (intermittent rain)	• The second contract of the second contract	Pool(s)		Run(s)				fc	oamy		f	ishy	,
* *		Riffles			N/A					ırbid			otten e	eggs
1. a) Approximate depth of water in	stream:	5. Stream Velo	city:					1	lig	ght brown			organic	
			mode	rate [X slo	w	N/A			ark brown			other:	
□N/A	unknown	000000	1000000				100000			ily sheen			one	
b) Approximate width of water flo	w:	6. Nature of th	e particles in	the stre	am bott	om:		1			none			
-, -, -, -, -, -, -, -, -, -, -, -, -, -	0.00	unkno		HESE BELE		5,000				reenish		1		
N/A	30 ft	0,70,000	1000	None	Little So	me Most	ř			ther:		1		
c) Approximate width of stream:		silt/clay/mud		110	Little CO	1110 101030	ì							
(from top of bank to	200,2004	sand		\vdash		_	+	11 0	racanca c	of logs or la	raa wa	adv dat	rie in	
top of bank)	35 ft	gravel		 		1	+		stream:	or logs or lo	age no	ouy uco		
top of barne)		cobbles (2 - 10	" diam)	-		_	+	v	None	Occas	ional		Plentifu	ar.
d) Approximate height of banks (char	nnol donth):	boulders (> 10	" diam)	\vdash		+	+	_^	Inone _	Occas	ionai	الل	Terruiu	20
a) Approximate neight of banks (char		bedrock	ulaili.)			_	+							
left 1 ft right								4.					2000	
leftright			nce of natural	y occur	ring orga	anic mate	riai	12. F	ick the ca	tegory that	pest a	escribes	stne	
		in stre	am:		-	-1				vegetation		s the st		
e) Approximate depth of pool(s):		- Lesses			-	Unkn			0%		50%	L		00%
- Ives		X None	Occas	sional		Plent	iful		25%		75%		v:	
N/A											other -	%	Ö	
Plant Species Adjacent to stream (scie		Facing upst		is strea	m have	tree cove	er	covered to the						
		for 50 feet on t								escription th				a
Trees:		left sid	e no	r	ight side	no	-	bank	and the ch	hannel (fac	ing ups	tream):		
		What is the %						a) St	ream banl	k:				
		left sid	е	% r	ight side	·	%	Left	21				-	Right
Understory:										Vertic	al/und	ercut		
Phragmites australis, Lythrum	salicaria,	Facing upstrea	m, does this	stream	have sh	rub cove	er			Steeply	sloping	g (>30°)		X
Dipsacus fullonum, Typha latifi	olia,	for 50 feet on t	he:					Х	1	Gradual/	No slop	oe (<30°) [
Trifolium sp., Helianthus annu	us	left sid	e yes	r	ight side	yes			•				_	
							_	b) Sh	ape of the	e channel:			254	
		What is the %	cover of shru	ıbs per	side of t	he strean	n?		Narrow, I	Deep		Wide, D	Deep	
			75%			r initials:			Narrow,		W	fide, Sha	allow	
Describe the streamside cover.	Check "P" if present, "C	" if common		1	16. Ordi	nary Hig	h Water	Mark I	Determina	ation				
a) Along the water's edge and stream	n bank only (facing ups	tream):		- 1										
Left			Right		Check '	P" if obse	erved; Ch	reck "U	J" if used t	to determin	e OHV	vIVI		
P C			P C			P U								
	Trees						Natural	line im	pressed o	on the bank				
	Bushes, Shrubs						Shelvin							
X X Ta	all grasses, forbs		X X						e characte					
Lawn, r	maintained landscape			l I			Destruc	tion of	terrestrial	vegetation	1			
X Bould	ders/Rocks/Rip Rap		X X				Presend	e of lit	ter and de	ebris				
	Gravel/Sand				50	х	Wrackir	ıg						
	Bare Soil						Vegetat	ion ma	tted down	; bent, or a	bsent			
Paveme	nt, Structures, Gabions						Sedime	nt sorti	ing					
b) From the top of the streambank ou	ut to 50 fee t:			' I			Leaf litte	er distu	irbed or w	ashed awa	ly			
Left			Right	- 1			Scour							
P C			PC				Deposit	ion						
	Trees			[]					ved flow e	events				
	Bushes, Shrubs			I		х х	Bed and			ranasti titi				
X X Ta	all grasses, forbs		хх		F		Water s							
	maintained landscape					x x			nt commu	nity				
	Boulders/Rocks			i I]							
	Gravel/Sand			h	17. Wate	rs Type						RPWNI	N	
	Bare Soil					7,00	DELINE	ΔTE				NRPW		
Pav	ement, Structures		x x		-	-	TNW	-A1L				NRPW		
Fav	ement, Structures		_ ^ ^	·	-	-	TNWW			-		ISOLAT		
15. In the vicinity of the stream, Chec	ok "D" if propert "C" if a	ommon:		- 1	70	x	RPW					UPLAN		
Left	ck Filipieseili, Cilic	ommon.	Right	- 1		^	RPWW	n				TNWR		
P C			P C	- 1	18. O	served F			of wildlife de	terents such	ac hird w		-00	
	mside plant cover degra	aded		ı l'		vou r	warre fills	HOLE	List	coronia suull	oo wilu ff			
	s collapsed/eroded		\vdash		T	X Inver	tebrates			ragonflies				
	nk adjacent to the strea	m	х			X Birds			night her					
	nk adjacent to the strea n or sheen on bank		^			X Mam			voles	VII.				
	n or sneen on bank and in or entering the st	roam	\vdash				mais ile/Amphi	anc						
	ge/junk in the stream	I Call	\vdash	I	-	Fish	ieveribili	ails	frog				_	
	gerjunk in the stream bank (clippings, leaves.	otc)	\vdash			lrisn			-					
			\vdash	<u> </u>	יייר ע סו	ional C-	nmonte							
	or with unrestricted acc	ess	\vdash	I'		ional Cor		h at · · ·	on Total	d and '	- - -	1 ab'	do	
Active	ely discharging pipes		\vdash	I	cu	iverts at e	eacn end	petwe	en raft Ro	d and post	отсе;	cneck	dam.	
	Other pipes		\vdash											
Ditch	es entering stream			L										
					Datacha	at enterer	d by			-		ast Rovi	read C	0/25

APPENDIX L L-454 NOVEMBER 2022

Stream Characterization Date: 2	8/20/2019 Time: 1:3	Opm Site:	ORD	County:	Cook
Field ID: Stream Oitch Stream N	lame:	Ditch 4		Investigators:	CBM, KAS
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) Approximate death of water in streams	y 4. Stream hat Pool(s Riffles 5. Stream Vel	pitats present:	RUN(S) N/A	9. Water Appearance: clear milky foamy turbid X light brow	10. Water Odor: sewage chlorine fishy rotten eggs
1. a) Approximate depth of water in stream: 4-6 in	fact	moderate	slow N/A	dark brow	
b) Approximate width of water flow:		he particles in the st	ream bottom:	oily sheen orange	χ none
	ft	None	Little Some Most	greenish other:	
c) Approximate width of stream:	silt/clay/mud		X		
(from top of bank to top of bank) 35	ft sand gravel			Presence of logs or stream:	large woody debris in
d) Approximate height of banks (channel depth):	cobbles (2 - 1 boulders (> 10		х		asional Plentiful
5-15 # 3-10	o # bedrock	4.65		40 80 100	
left right right	7. Prese		urring organic material	Pick the category the extent to which vegetation	
e) Approximate depth of pool(s):	None	Occasional	Unknown X Plentiful	0% 25%	50% X 100% 75%
X N/A	too out borns.	International State of the Control o		25%	other%
Plant Species Adjacent to stream (scientific name):	8. Facing ups for 50 feet on		am have <u>tree</u> cover	13 Dick the description	that best fits the stream
Trees:	left sid		right side no	bank and the channel (f	
Rhamnus cathartica	\0/hat is the %	cover of <u>trees</u> per	eide of the stream?	a) Stream bank:	
	left sid		right side0_%	Left	Right
Understory: Phragmites australis, Lythrum salicaria,	Facing upstre	am, does this strean	have shrub cover		rtical/undercut bly sloping (>30°) X
Typha angustifolia	for 50 feet on	the:	DODANI/ NACOLA		al/No slope (<30°)
	left sid	de <u>yes</u>	right side <u>no</u>	b) Shape of the channe	al:
			er side of the stream?	Narrow, Deep	Wide, Deep
14. Describe the streamside cover. Check "P" if	present, "C" if common	/a U%a	Observer initials: 16. Ordinary High Water	Narrow, Shallow Mark Determination	Wide, Shallow X
a) Along the water's edge and stream bank only		Distr	Make Control of the Antonio Control		-i OLDARA
Left P C		Right P C	P U	heck "U" if used to determ	line OHVVIVI
Trees Bushes, Shru	ıla.		Natural Shelvin	line impressed on the ba	nk
X X Tall grasses, fi	orbs	хх	Change	es in the character of soil	
X Lawn, maintained la X Boulders/Rocks/F		х		ction of terrestrial vegetati ce of litter and debris	on
Gravel/San			Wracki	ng	
Bare Soil Pavement, Structures	s Gahions			tion matted down; bent, o ent sorting	r absent
b) From the top of the streambank out to 50 fee to			Leaf litt	er disturbed or washed a	way
Left P C		Right P C	Scour Deposi	tion	
Trees			Multiple	e observed flow events	
X X Bushes, Shru X X Tall grasses, fi		x x		d banks staining	
Lawn, maintained la	andscape			in plant community	
Boulders/Rod Gravel/San		\vdash	17. Waters Type		RPWNN
Bare Soil			DELINI	EATE	NRPW NRPWW
X Pavement, Struc	ctures	хх	TNVW		ISOLATE
15. <u>In the vicinity of the stream</u> , Check "P" if pres Left	ent, "C" if common:	Right	X RPW RPWM	rD	UPLAND TNWRPW
P C		P C		ake note of wildlife deterents suc	
Natural Streamside plant of Banks collapsed/			X Invertebrates	List mosquitos	
X X Garbage/junk adjacent	to the stream	хх	Birds		
Foam or sheen o Mud, silt, or sand in or ente		\vdash	X Mammals X Reptile/Amph	rabbits ians frog	
X X Garbage/junk in the	e stream	хх	Fish		
Yard waste on bank (clippin Livestock in or with unres		\vdash	19. Additional Comments		
Actively discharging	ng pipes				
X Other pipes X Ditches entering		\vdash			
	neum(5755)		Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-455 NOVEMBER 2022

Stream Characterization	Date: 8/19/2019	Time: 3:30pm Site:	ORD	County:	Cook
Field I.e. Stream/Dish	Stream Name:	D	itch 42	Investigators:	CBM
Storm (heavy rain) X Showers (intermittent rain) X Showers (intermittent rain)	Overcast Clear/Sunny	4. Stream habitats present: Pool(s) Riffles(s)	EPHEMERAL PERENNIAL INTERMITTENT Run(s) X N/A	9. Water Appearance clear X milky foamy turbid	X sewage chlorine fishy rotten eggs
Approximate depth of water in N/A	unknown	5. Stream Velocity: model	rate X slow N/A	light bro dark bro oily she	own other:
b) Approximate width of water flo	ow: 30 ft	Nature of the particles in unknown		orange greenis	none
c) Approximate width of stream: (from top of bank to top of bank)	35 ft	silt/clay/mud sand gravel	None Little Some Most	other: 11. Presence of logs stream:	or large woody debris in
d) Approximate height of banks (cha	annel depth):	cobbles (2 - 10" diam.) boulders (> 10" diam.)		X None O	ccasional Plentiful
left 1 ft righ	m 12-	bedrock 7. Presence of naturall in stream:	y occurring organic material	extent to which veget	that best describes the ation shades the stream:
e) Approximate depth of pool(s):		X None Occas	Unknown sional Plentiful	25%	50% 100% X 75% other%
Plant Species Adjacent to stream (sci Trees:	entific name):	Facing upstream, does the for 50 feet on the: aft pide			ion that best fits the stream
Trees:		left side <u>no</u> What is the % cover of <u>tree</u>	right side <u>no</u> s per side of the stream?	bank and the channel a) Stream bank:	i (facing upstream):
Understory:	antina via	left side 0	% right side <u>0</u> %		Right Vertical/undercut
Phragmites australis, Lythrum Dipsacus fullonum, Typha lati Trifolium sp., Helianthus annu	ifolia,	Facing upstream, does this for 50 feet on the: left sideyes_	the transfer of the second		eeply sloping (>30°) X dual/No slope (<30°)
		What is the % cover of shru	ibs per side of the stream?	b) Shape of the chan Narrow, Deep	Wide, Deep
Describe the streamside cover. Along the water's edge and streams.			75% Observer initials: CBM 16. Ordinary High Water		w Wide, Shallow
Left P C		Right P C	Check "P" if observed; Cl		Proposition (Control of the Control
	Trees Bushes, Shrubs all grasses, forbs	хх	Shelvin	l line impressed on the l g es in the character of so	NEW CONTROL OF
Lawn,	maintained landscape ders/Rocks/Rip Rap	x x	Destruction Present	ction of terrestrial veget ce of litter and debris	ation
	Gravel/Sand Bare Soil			tion matted down; bent	, or absent
b) From the top of the streambank o	ent, Structures, Gabions out to 50 fee t:	Right		ent sorting er disturbed or washed	l away
P C	Trees Bushes, Shrubs	РС		tion e observed flow events d banks	
X X T	all grasses, forbs maintained landscape	хх	Waters	staining e in plant community	
	Boulders/Rocks Gravel/Sand Bare Soil		17. Waters Type DELINI	FATE	RPWNN NRPW
	vement, Structures	хх	TNW		NRPWW ISOLATE
 In the vicinity of the stream, Che Left P C 	eck "P" if present, "C" if o	common: Right P C	X RPW RPWW	/D ake note of wildlife deterents	UPLAND TNWRPW
Natural Strea	amside plant cover degra ks collapsed/eroded	aded	X Invertebrates	List _bees, dragonf	50°
Foa	unk adjacent to the strea m or sheen on bank and in or entering the st		X Birds X Mammals X Reptile/Amph	night heron voles	
Garba	and in or entering the st age/junk in the stream i bank (clippings, leaves		X Reptile/Amph Fish	ians frog	
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes		19. Additional Comments culverts at each end	l between Taft Rd and p	post office; 1 check dam.
Ditc	hes entering stream		Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-456 NOVEMBER 2022

Stream Characterization	Date: 8/19/2019	Time: 2:30 PM	Site:	ORD	County:	Cook
Field ID: Stream Ditch	Stream Name:		Ditch 43		Investigators: _	CBM
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	?	3. Circle flow regime 4. Stream habitats p Pool(s) Riffles(s) 5. Stream Velocity: fast 6. Nature of the par	INTERNOTES	MITTENT Run(s) WA X slow N/A	9. Water Appearanc clear X milky foamy turbid light br dark br oily sh- orange greenis other:	sewage chlorine fishy rotten eggs own own own own seen none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	25 ft	silt/clay/mud sand gravel cobbles (2 - 10" diar boulders (> 10" diar	m.)	X	11. Presence of logs	s or large woody debris in
left 2 ft right e) Approximate depth of pool(s):		in stream:	Occasional	ring organic material Unknown Plentiful		y that best describes the tation shades the stream: 50% 100% 75% 0ther%
Plant Species Adjacent to stream (sci Trees:	entific name):	8. Facing upstream, for 50 feet on the: left side		m have <u>tree</u> cover ight side <u>no</u>	13. Pick the descript bank and the channe	ion that best fits the stream of (facing upstream):
Understory: Typha latifolia, Phragmites aistralis, Pastihara sativa, Vitis riparia, Dipsad		What is the % cover left side Facing upstream, do for 50 feet on the: left side What is the % cover 25%	0% ri oes this stream h yes ri r of <u>shrubs</u> per	ight side <u>0</u> % have <u>shrub</u> cover ight side <u>yes</u>	X St	Wide, Deep
X X Lawn, Boul Paveme b) From the top of the streambank of Left P C X X T Lawn, Boul	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rock/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	" if common tream): F P X	Right C X	66. Ordinary High Wat Check "P" if observed; P U Natu Sheli Char Dest Pres V/rac Vege Sedi Leaf Scoup	er Mark Determination Check "U" if used to deter ral line impressed on the ing uges in the character of s ruction of terrestrial vege ence of litter and debris king tation matted down; ben ment sorting litter disturbed or washed	ermine OHVM bank oil tation t, or absent d away
15. In the vicinity of the stream, Che Left P C Natural Stream X Garbage/ju Foa Mud, silt, or s X Garba	Bare Soil vement, Structures	ream	Right C 7	DELI TNW TNW X RPW RPW	W / / / / / / / / / / / / / / / / / / /	NRPW NRPWW ISOLATE UPLAND TNWRPW such as bird wires) butterflies eron
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream					des by fence. Enters and arging from post office.

APPENDIX L L-457 NOVEMBER 2022

Stream Characterization	Date: 8/29/2019	Time: 11:45 AM Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	44	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain)	stream: 6-12 inches	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	Run(s) N/A X slow N/A Stream bottom:	9. Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	18 π	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream:	large woody debris in
e) Approximate depth of pool(s):	8 ft 12 inches	7. Presence of naturally of in stream: None X Occasion:	Unknown	12. Pick the category th extent to which vegetation X 0% 25%	
Plant Species Adjacent to stream (scie Trees:		Facing upstream, does this storm 50 feet on the: left sideno_ What is the % cover of trees pages.	right side <u>no</u>	13. Pick the description bank and the channel (fi	that best fits the stream acing upstream):
Understory: Typha angustifolia, Pha. Alisma subcordatum		left side 0 % Facing upstream, does this stre for 50 feet on the: left side no What is the % cover of shrubs	right side <u>0</u> % am have <u>shrub</u> cover right side <u>no</u>	Left Ver	rtical/undercut bly sloping (>30°) al/No slope (<30°) X it: Wide, Deep
Definition of the streambank o	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions	Right PC XXX	P U Natural Shelvin Change Destrut Presen Wracki Vegeta Sedim Leaf litt Scour Deposi Multiple Bed an Water X X Change	Narrow, Shailow Mark Determination heck "U" if used to determ line impressed on the bai g ss in the character of soil ction of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, or ent sorting er disturbed or washed av tion e observed flow events d banks staining e in plant community	Wide, Shallow X nine OHVM nk on r absent way
15. In the vicinity of the stream, Chellet P C Natural Strea Bank Garbagefju Foar Mud, silt, or se	Bare Soil verment, Structures ck "P" if present, "C" if c mside plant cover degra sc collapsed/eroded ink adjacent to the strea m or sheen on bank and in or entering the streage/junk in the stream bank (dippings, leaves bank (dippings, leaves	Right P C aded am am	X DELINI TNW TNWW RPW RPWM 18. Observed Fauna (m Invertebrates Birds Mammals Reptile/Amph Fish	of I/D ake note of wildlife deterents such	NRPW NRPWW ISOLATE UPLAND TNWRPW th as bird wires)
Livestock in Active	or with unrestricted according to the second of the second			d banks; ditch connected draining into ditch	by multiple culverts Last Revised: 09/25

Stream Characterization	Date: 9/19/2019	Time: 5:30pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	45	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	2-3 inches	INTE A Stream habitats present: Pool(s)	RUN(S) N/A slow X N/A stream bottom:	B) Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha		silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream: None X Occa	
e) Approximate depth of pool(s): X N/A		7. Presence of naturally oci in stream: None X Occasiona	Unknown Plentiful	12. Pick the category the extent to which vegetation 0% 25%	
Plant Species Adjacent to stream (sci Trees:	entific name):	Facing upstream, does this str for 50 feet on the: left side <u>yes</u>	eam have <u>tree</u> cover	13. Pick the description bank and the channel (fa	
Understory:		What is the % cover of <u>trees</u> per left side <u>100</u> % Facing upstream, does this strea for 50 feet on the: left side <u>no</u>	right side5_ % m have <u>shrub</u> cover right sideyes_	X Steep	tical/undercut ly sloping (>30°) li/No slope (<30°) X
Describe the streamside cover. Along the water's edge and streams. Left			Observer initials: 16. Ordinary High Water	Narrow, Deep X Narrow, Shallow	Wide, Deep Wide, Shallow
P C X X X T Lawn, Boul	Trees Bushes, Shrubs fall grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t:	P C X X X X X	P U Natural Shelvin Change Destruc Presen Wracki Vegeta Sedime	line impressed on the bar g ss in the character of soil tion of terrestrial vegetations ce of litter and debris	nk on rabsent
T Lawn,	Trees Bushes, Shrubs 'all grasses, forbs maintained landscape Boulders/Rocks	Right P C	X X Bed an Water s	e observed flow events d banks	
X Par 15. In the vicinity of the stream, Che	Gravel/Sand Bare Soil vernent, Structures	X X	17. Waters Type DELINE TNW TNWW X RPW	ra.cx660	RPWNN NRPW NRPWW ISOLATE UPLAND
Left P C Natural Strea Bani Garbagein Foa Mud, silt, or s Garba	amside plant cover degra ks collapsed/eroded unk adjacent to the strea m or sheen on bank and in or entering the st age/junk in the stream t bank (clippings, leaves	Right P C aded Interest tream	RPWW	ake note of wildlife deterents such List dragonflies	TNWRPW
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		19. Additional Comments under road cu Datasheet entered by:	lvert feeds stream	Last Revised: 09/25

Stream Characterization	Date: 9/28/2019	Time: 10:00am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch -	46	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A		4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the s	RMITTENT RUN(S) NVA slow X NVA tream bottom:	Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	4-6 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream: X None Occa	large woody debris in
e) Approximate depth of pool(s):	m 12-	7. Presence of naturally occ in stream: X None Occasional	Unknown	12. Pick the category th extent to which vegetation 0% X 25%	
Plant Species Adjacent to stream (sci Trees: Morus alba, Acer negur Rhamnus cathartica		Facing upstream, does this street for 50 feet on the: left sideno	right sideyes	13. Pick the description bank and the channel (fa	that best fits the stream
Understory: Phalaris arundinacea, Carex : Solidago sempervirens, Rum Eleocharis obtusa, Sambucus	ex crispus,	What is the % cover of <u>trees</u> per left side 0 % Facing upstream, does this stream for 50 feet on the: left side <u>no</u>	right side <u>80</u> % Thave <u>shrub</u> cover right side <u>yes</u>	X Steep X Gradua b) Shape of the channe	
X X Lawn, Boul Paveme b) From the top of the streambank of Left P C X X Lawn, Lawn, Lawn, Lawn, Lawn, Lawn, Lawn,	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ant, Structures, Gabions tut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	Right PC XXX	Observer initials: 16. Ordinary High Water Check "P" if observed; Cl P U Natural Shelvin Change Destrue Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an X Waters X X Change	heck "U" if used to determ line impressed on the bai gs in the character of soil ction of terrestrial vegetatic ce of litter and debris ing tion matted down; bent, of int sorting er disturbed or washed average to be observed flow events d banks staining in plant community	nk on r absent way RPWNN
15. In the vicinity of the stream, Che Left P C Natural Stree Ban Garbagefit Foa Mud, silt, or s Garba Yard waste or	Bare Soil verment, Structures care the search, "C" if of amside plant cover degriks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the stage/junk in the stream to hank (clippings, leaves or with unrestricted acc	Right P C aded I I I I I I I I I I I I I I I I I I I	X DELINI TNWW RPW RPW RPW IS. Observed Fauna (ms Invertebrates Birds Mammals Reptile/Amph Fish 19. Additional Comments	D ake note of wildlife deterents such	NRPW NRPWW ISOLATE UPLAND TNWRPW h as bird wires)
X Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream			h along Mannheim Rd.	Last Revised: 09/25

Stream Characterization	Date: 9/19/2019	Time: 4:40p	om Site:	OR	D	County:		Cook
Field ID: Stream Oitch	Stream Name:		Ditch	47		Investigators:		CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X	Overcast Clear/Sunny	Circle flow reg Stream habita	INTE	RMITTENT	PERENNIAL	9. Water Appeara X clear milky	,	10. Water Odor: sewage chlorine
Showers (intermittent rain)		Pool(s) Riffles(s		Run(s) N/A		foam turbi	d	fishy rotten eggs
Approximate depth of water in	stream:	5. Stream Veloc fast	ity: moderate	X slow	N/A	dark	brown brown	organic other:
N/A b) Approximate width of water flo		6. Nature of the	particles in the s	tream bottom	:	oran		X none
□ N/A	10 ft		None	Little Some		gree othe		-
c) Approximate width of stream: (from top of bank to	25 ft	silt/clay/mud sand			X	11. Presence of lo	gs or large w	oody debris in
top of bank) d) Approximate height of banks (cha	annel denth):	gravel cobbles (2 - 10" boulders (> 10"				stream: None X	Occasional	Plentiful
left 6 ft righ	10.0	bedrock	e of naturally occ	urring organic	material	12. Pick the categ	ory that hest o	describes the
e) Approximate depth of pool(s):	p. 1	in stream			Unknown	extent to which veg		
x N/A		None	X Occasional		Plentiful	25%	X 75% other	- %
Plant Species Adjacent to stream (scient)	entific name):	8. Facing upstre for 50 feet on the	eam, does this str	eam have <u>tre</u>	ee cover	13. Pick the descr	iption that bes	st fits the stream
Trees: Rhamnus cathartica, Sa Fraxinus pensylvanica	alix interior	left side	yes	right side	_yes_	bank and the chan	nel (facing up	stream):
		What is the % co left side	over of <u>trees</u> per 30%	side of the st right side	ream? 20%	a) Stream bank: Left		Right
Understory: Vitis riparia, Typha angustifolia	ia,		n, does this strea	m have <u>shru</u>	<u>b</u> cover		Vertical/und Steeply slopin	ıg (>30°) X
Lythrum salicaria		for 50 feet on the left side		right side	_yes_		iradual/No slo	pe (<30°)
		What is the % co	over of <u>shrubs</u> p 20%	er side of the Observer in		b) Shape of the ch Narrow, Dee X Narrow, Sha	p	Wide, Deep Vide, Shallow
Describe the streamside cover. Along the water's edge and streams.		" if common	20%			X Narrow, Sha Mark Determination		ilde, Sitaliow
Left P C	m bank only (lacing ups	aream):	Right P C	Check "P"	if observed; Cl	neck "U" if used to d	etermine OH\	∧w
X X	Trees Bushes, Shrubs	F	X X X X		Natural Shelvin	line impressed on the	ne bank	
X Ta	all grasses, forbs maintained landscape	ļ	x		Change	es in the character o ction of terrestrial ve	f soil netation	
	ders/Rocks/Rip Rap Gravel/Sand					ce of litter and debri		
Paveme	Bare Soil ent, Structures, Gabions				Vegeta	tion matted down; be ent sorting	ent, or absent	[
b) From the top of the streambank o		L	Right			er disturbed or wash	ied away	
P C	Trees	г	PC		Deposi	tion observed flow ever	nts	
	Bushes, Shrubs all grasses, forbs	ļ				d banks		
Lawn,	maintained landscape Boulders/Rocks	ŀ		Х		in plant community		
X X	Gravel/Sand Bare Soil	F		17. Waters X	Type DELINI	EATE		RPWNN NRPW
	vement, Structures	t	ХХ		TNW			NRPWW ISOLATE
15. <u>In the vicinity of the stream</u> , Che Left	ck "P" if present, "C" if o	common:	Right		RPW RPWW			UPLAND TNWRPW
	amside plant cover degra	aded [P C	18. Obse	_	ake note of wildlife detere List	nts such as bird v	vires)
Garbage/ju	ks collapsed/eroded unk adjacent to the strea	am [Invertebrates Birds	-		
Mud, silt, or si	m or sheen on bank and in or entering the st	ream			Mammals Reptile/Amph	ians		
Yard waste on	age/junk in the stream a bank (clippings, leaves		хх		Fish	-		
Active	or with unrestricted acc ely discharging pipes	ess		6ft x		est end drains to dito	h. Large 36"	culvert connects
X	Other pipes hes entering stream	F	Х	FESTIVE III	ections.		100	
				Datasheet e	entered by:			ast Revised: 09/25

APPENDIX L L-461 NOVEMBER 2022

Stream Characterization	Date: 9/26/2019	Time: 9:00am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	48	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	2 inches	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	slow X N/A	9. Water Appearance: clear milky foarny turbid light brow dark brow X oily sheer orange greenish other:	vn other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	1000 20	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream: X None Occ	r large woody debris in
e) Approximate depth of pool(s): X N/A	•		ccurring organic material Unknown X Plentiful	12. Pick the category the extent to which vegetation 10% 25%	hat best describes the ion shades the stream: 50% X 100% 75% other%
Plant Species Adjacent to stream (scient Trees: Populus delfoides, Rhamnus et al. (2014)		8. Facing upstream, does this s for 50 feet on the: left side <u>yes</u>	right side <u>yes</u>	bank and the channel (n that best fits the stream
Salix sp. Understory: Phragmities australis, Typha a Lythrum salicaria, Eupatorium	angustifolia,	What is the % cover of trees pure left side 20 % Facing upstream, does this stree for 50 feet on the: left side yes	right side 20 %	X Steep	ertical/undercut ply sloping (>30°) al/No slope (<30°)
Describe the streamside cover. Along the water's edge and streams.		C" if common stream):	80 Observer initials: 16. Ordinary High Water		Wide, Deep Wide, Shallow
Left	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rock-Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape	Right P C X X X X X X X	Shelvir Chang Destru Presen Wracki Vegeta Sedim Leaf lit Scour Deposi Multipl Bed an	lline impressed on the bag g ss in the character of soil tion of terrestrial vegetat ce of litter and debris ng tion matted down; bent, c ent sorting er disturbed or washed a	ank ion or absent
15. In the vicinity of the stream, Che Left P C Natural Stream Banl	Boulders/Rocks Gravel/Sand Bare Soil vernent, Structures eck "P" if present, "C" if o amside plant cover degre ks collapsed/eroded unk adjacent to the stree	Right P C	17. Waters Type X DELIN TNW TNW RPW RPW RPW 18. Observed Fauna (m	(D ake note of wildlife deterents su List	RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW ch as bird wires)
Foal Mud, silt, or s Garbe Yard waste on Livestock in Active	m or sheen on bank and in or entering the st age/junk in the stream n bank (clippings, leaves or with unrestricted acc ely discharging pipes Other pipes hes entering stream	tream X	Mammals Reptile/Amph Fish 19. Additional Comments Culvert on west enc		rest. Fenced in lot on right e ditch from north.
			Datasheet entered by:		Last Revised: 09/25

x None Occasional Plentiful 25% 75% other	
Storm (heavy rain)	H
c) Approximate width of stream: (from top of bank to top of bank to top of bank) d) Approximate height of banks (channel depth): left	ge ne eggs ic
Pick the category that best describes the extent to which vegetation shades the stream 12. Pick the category that best describes the extent to which vegetation shades the stream 12. Pick the category that best describes the extent to which vegetation shades the stream 12. Pick the category that best describes the extent to which vegetation shades the stream 12. Pick the category that best describes the extent to which vegetation shades the stream 12. Pick the category that best describes the extent to which vegetation 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 13. Pick the description that best fits the stream 14. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description that best fits the stream 15. Pick the description	
for 50 feet on the: Items:	i: 100%
Rhamnus cathartica What is the % cover of <u>trees</u> per side of the stream? a) Stream bank:	m
Understory: Facing upstream, does this stream have <u>shrub</u> cover Steeply sloping (>30°) for 50 feet on the: Gradual/No slope (<30°)	Right x
left side	
a) Along the water's edge and stream bank only (facing upstream): Left P C X X X Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Ap C Gravel/Sand D From the top of the streambank out to 50 fee t: Left P C X X X Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape D Estruction of terrestrial vegetation Presence of litter and debris Wracking Wracking Wracking Wegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Leaf litter disturbed or washed away Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events X X Bed and banks Water staining Change in plant community 17. Waters Type RPWNN	
Bare Soil	
P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.)	10 20 20 20
Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream Ditable entering stream Last Revised: Datasheet entered by: Last Revised:	N9/25

APPENDIX L L-463 NOVEMBER 2022

Stream Characterization	Date: 9/17/2019	Time: 2:15p	m Site:		ORE)	County:		Cook
Field ID: Stream Ditch	Stream Name:	ŀ	liggins Creek -	section	on 1		Investigators	s:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	2 ft	039974041	ts present: X ty: X moderate particles in the str		slow [PERENNIAL N/A	for tur lig da oil or		10. Water Odor: sewage chlorine fishy rotten eggs organic other: X none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	55 ft	silt/clay/mud sand gravel cobbles (2 - 10" o boulders (> 10" o	diam.)			X	11. Presence of stream:		arge woody debris in sional Plentiful
e) Approximate depth of pool(s): X N/A	11	in stream	X Occasional	E		Unknown Plentiful			t best describes the 1 <u>shades</u> the stream: 50%100% 75% other%
Plant Species Adjacent to stream (sci Trees:	entific name):	8. Facing upstrea for 50 feet on the left side	am, does this stre e: <u>no</u>	right si		no_	13. Pick the des bank and the ch		hat best fits the stream cing upstream):
Understory: Phragmites australis, Lythrun Persicaria sp.	n salicaria,	left side Facing upstream for 50 feet on the left side	over of <u>trees</u> per s	right si	de shrub de	0 % cover	a) Stream bank Left X b) Shape of the Narrow, D	Verti Steeply Graduali channel:	ical/undercut X y sloping (>30°) //No slope (<30°) Wide, Deep
X X Lawn, X Boul Pavement b) From the top of the streambank of Left P C X X Lawn, Lawn, Lawn, Lawn, Lawn,	m bank only (facing ups Trees Bushes, Shrubs fall grasses, forbs maintained landscape lders/Rock Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	0 "if common tream):	Right P C X X X Right P C X X X X X X X X X X X X X X X X X X	Observ 16. Or	ver initite of the control of the co	y High Water f observed; Cf U Natural X Shelvin; Change Destruc Presen Wrackir Vegetat Sedime Leaf litt Scour Deposit Multiple X Bed and Water's Change	Narrow, S Mark Determina eck "U" if used to line impressed or g s is in the character tion of terrestrial e of litter and del ig ion matted down; nt sorting er disturbed or wa ion observed flow ev banks	challow tion determin the bank r of soil vegetation oris bent, or a	Wide, Shallow X ne OHVMM k n
15. In the vicinity of the stream, Che Left P C Natural Stream	Bare Soil vement, Structures ack "P" if present, "C" if o amside plant cover degra ks collapsed/eroded	aded	Right P C X X		X Obser X	DELINE TNW TNWW RPW RPWW ved Fauna (ma	D ike note of wildlife det List dragonflies		NRPW NRPWW ISOLATE UPLAND TNWRPW as bird wires)
Foa Mud, silt, or s Garba Yard waste or	unk adjacent to the strea m or sheen on bank sand in or entering the st age/junk in the stream n bank (clippings, leaves n or with unrestricted acc	ream , etc.)	X	19. Add		Birds Mammals Reptile/Amphi Fish al Comments	ans		
X Activ	ely discharging pipes Other pipes hes entering stream			r	reinfor	cement	bank; no riprap e	xcept so	me used for bank
				⊔atash	eet er	ntered by:			Last Revised: 09/25

APPENDIX L L-464 NOVEMBER 2022

Stream Characterization	Date: 9/17/2019	Time: 2:00pm Site:	ORD	County:	Cook
Field ID: stream Ditch	Stream Name:	Higgins Creek	- section 2	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	5-6 ft	INTI A Stream habitats present: Pool(s)	RUN(s) N/A slow N/A stream bottom:	Water Appearance:	sewage chlorine fishy rotten eggs organic wn other: en X none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	1000 20	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	stream:	or large woody debris in
left 10 ft righ e) Approximate depth of pool(s):		7. Presence of naturally oc in stream: None X Occasiona	Unknown Plentiful		that best describes the tion <u>shades</u> the stream: 50%
Plant Species Adjacent to stream (scient sees:	entific name):	Facing upstream, does this stream for 50 feet on the: left sideno	right side <u>no</u>	13. Pick the description bank and the channel	on that best fits the stream (facing upstream):
Understory: Solidago sempervirens, Phala Eupatorium serotinum			right side 0 % Im have shrub cover right side no Der side of the stream? 0 Observer initials:	X Stee Grad b) Shape of the chann Narrow, Deep Narrow, Shallow	Wide, Deep X
X	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks(Rip Rap.) Gravel/Sand Bare Soil nt, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape	Right PC XXX XX	Shelvin Change Destruc Presen X Wracki Vegeta Sedime Leaf littl Scour Deposi Multiple X X Bed an X X Water s Change	heck "U" if used to deter line impressed on the b g sa in the character of soi ction of terrestrial vegeta ce of litter and debris ng tion matted down; bent, int sorting er disturbed or washed; tion e observed flow events d banks	oank il ution or absent away
15. In the vicinity of the stream, Che Left P C Natural Strea Bani Garbage/ju Foat Mud, silt, or s Garba	Gravel/Sand Bare Soil vernent, Structures amside plant cover degriks collapsed/eroded unk adjacent to the stret m or sheen on bank and in or entering the st ige/junk in the stream is bank (clippings, leaves	Right P C aded I I I I I I I I I I I I I I I I I I	17. Waters Type DELINI X TNW TNWW RPW RPW 18. Observed Fauna (m X Invertebrates Birds Mammals Reptile/Amph Fish	nD ake note of wildlife deterents s List butterflies	RPWNN NRPW NRPWW ISOLATE UPLAND TNIWRPW uch as bird wires)
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		19. Additional Comments Double box culverts Datasheet entered by:	at upstream and downs	stream ends Last Revised: 09/25

APPENDIX L L-465 NOVEMBER 2022

Stream Characterization	Date: 8/12/2019	Time: 11:45 AM Site:	ORD	County:	Cook
Field ID: stream Ditch	Stream Name:	Higgins Creek	- Section 3	Investigators:	BJH
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	Overcast Clear/Sunny 4 stream: 5 3-4 ft	4. Stream habitats present: Pool(s) X Riffles(s) 5. Stream Velocity: Fast X moderate 6. Nature of the particles in the s	RMIRAL PERENNIAL RMITTENT Run(s) N/A slow N/A tream bottom:	9. Water Appearance: X clear milky foamy turbid light brov dark brov oily shee orange greenish other:	sewage chlorine fishy rotten eggs vn organic vn other: an none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	65 ft c	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	X	stream:	or large woody debris in
e) Approximate depth of pool(s): X N/A	t 5 tt 7	7. Presence of naturally occ in stream: None Occasiona	Unknown X Plentiful	extent to which vegeta 0% 25%	that best describes the tion shades the stream: 50%
Plant Species Adjacent to stream (sci Trees: Fraxinus pensylvanica,	Betula sp.	Facing upstream, does this str for 50 feet on the: left sideyes	right sideyes	bank and the channel	on that best fits the stream (facing upstream):
Understory: Lythrum salicaria, Phragmites Lycopus americanus, Persica Sambucus sp.	australis, F	What is the % cover of trees per left side 10 % Facing upstream, does this streator 50 feet on the: left sideno	right side5_%	X Stee	ertical/undercut eply sloping (>30°) ual/No slope (<30°) X
Di From the top of the streambank of Left P C X T Lawn, Pavement of the streambank of Left P C X T Lawn, Pavement of the streambank of Left P C P C Y T Lawn,	Check "P" if present, "C" m bank only (facing upstr Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ont, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand Bare Soil verment, Structures	Right PC XXX Right PC XXX Right PC XX	Observer initials: 16. Ordinary High Water Check "P" if observed; Cl P U Natural Shelvin Change Destruc X Presen X Wrackit X Vegetal Sedime Leaf litt Scour Deposit Multiple Bed an X X Water Schange 17. Waters Type DELINE TNWW TNWW	Narrow, Deep Narrow, Shallow Mark Determination heck "U" if used to deter line impressed on the bigs in the character of soittion of terrestrial vegetace of litter and debrising the sorting er disturbed or washed attion on matted down; bent, mit sorting er disturbed or washed attion observed flow events dibanks staining in plant community	wide, Deep X Wide, Shallow with the control of the
Ban X Garbage/ju Foa Mud, silt, or s Garbay Yard waste or	amside plant cover degrac ks collapsed/eroded unk adjacent to the strean m or sheen on bank and in or entering the stre uge/junk in the stream I bank (clippings, leaves,	Right P C C C C C C C C C C C C C C C C C C	X Invertebrates Birds Mammals Reptile/Amphi	ake note of wildlife deterents si List bees, butterflie	
Activ	or with unrestricted acce ely discharging pipes Other pipes hes entering stream	955		with riprap reinforcemer s plant cover along strea	nt. am bank. Box culverts on Last Revised: 09/25

Stream Characterization	Date: 7/31 & 8/2	Time:	Site:	(טאט	IAP		Cou	nty:			Cook
Field ID: Stream/Ditch	Stream Name:	Tr	ibutary 1: V	villow C	Creek			Inve	stigators:			BJH, KAS
Weather in the past 24 hours:		3. Circle flow regir	ne: EP	IEMER	AL_	PERE	NNIAL	9. W	ater Appearar	nce:		10. Water Odor:
Storm (heavy rain)	Overcast		INT	ERMITT	ENT				X clear			sewage
Rain (steady rain)	Clear/Sunny	4. Stream habitats	present:					1	milky	,		chlorine
X Showers (intermittent rain)		X Pool(s)		Run(s)				foam	У		fishy
		Riffles(s)		N/A					turbio			rotten eggs
1. a) Approximate depth of water in	stream:	Stream Velocity	r:						light	brown		organic
		fast	moderate	Х	slow		N/A			brown		other:
□N/A	4-12 inches	19973.01			100,000		01/01/01/01			heen		X none
b) Approximate width of water flo	w:	6. Nature of the p	articles in the	stream l	bottom	:		1	orang		none	7,
2) · pp o	2.020000 00								green			
□ N/A	30 inches		No	e Little	Some	Most			other			
c) Approximate width of stream:		silt/clay/mud	110	Little	T X	I	i	_	Other			
(from top of bank to		sand	-	_	 ^	-	+	44 .	resence of lo			and a district in
	20 feet		-	-	1	1	-	11. F	stream:	ys or ic	al ge wo	Juy debits iii
top of bank)		gravel			V	-		V		10	sauce I	Plentiful
N	and the second	cobbles (2 - 10" di	am.)		Х	<u> </u>		Х	None	JUccas	sional	Pientitui
d) Approximate height of banks (cha	innei depth):	boulders (> 10" dia	am.)		_	_						
. 6 ft	6 ft	bedrock										CODE SECULO CONTRACTO
left on righ	t		of naturally o	curring	organio	mate	rial		ick the categ			
		in stream:						exten				s the stream:
e) Approximate depth of pool(s):						Unkn			0%	Х	50%	100%
· · · · · · · · · · · · · · · · · · ·	4-12 inches	None	Occasion	al	Х	Plenti	iful		25%		75%	
N/A	4-12 IIICHES		-								other -	%
Plant Species Adjacent to stream (scientification)	entific name):	8. Facing upstream	n, does this s	ream ha	ve tre	e cove	er					
TO COLOR TO MAN AND AND AND AND AND AND AND AND AND A		for 50 feet on the:						13. F	ick the descri	iption t	hat best	fits the stream
Trees:		left side	yes	right	side	yes			and the chan			
Rhamnus cathartica, Salix inte	erior.	(3.00.00.00.00.00	, <u>, , , , , , , , , , , , , , , , , , </u>				-					Total state of Marie
Juniperus virginiana,		What is the % cov	er of trees no	r side of	the st	ream?		a) St	ream bank:			
oumperae riigiinara,		left side	5 %	right		45	%	Left	ouin sunni			Right
Understory:		ion dide		ngin	GIGO		- 70	Leit	1	Vorti	cal/und	
Lythrum salicaria, Typha angu	etifolio	Facing upstream,	door this stro	ana hawa	chru	h covo	į.	-	1 .			
Phragmites australis, Alisma subcon		for 50 feet on the:		aiii iiave	Siliui	D cove		v			sloping	
								Х] G	radual	INO SIOP	e (<30°) X
Schoenoplectus tabermontanae, Soi	ildago semper-	left side	yes	right	side	yes	2					
virens		What is the % cov	f obrubo				-2		ape of the ch			
		vvnat is the % cov							Narrow, Dee			Wide, Deep
			5	15 Obse					Narrow, Sha		, vv	ide, Shallow
Describe the streamside cover.				16. 0	Ordina	ry Hig	h Water	Mark	Determinatio	n		
 a) Along the water's edge and stream 	<u>n bank onl</u> y (facing ups	stream):										
Left			Right	Che	ck "P"	if obse	erved; Ch	reck "L	J" if used to d	etermir	ie OHW	M
P C			P C		P_	U	2					
X	Trees		X				Natural	line im	pressed on th	ne banl	•	
X	Bushes, Shrubs		X				Shelvin	g				
X X T	all grasses, forbs		X X				Change	s in the	e character of	fsoil		
Lawn,	maintained landscape						Destruc	tion of	terrestrial veg	getation	1	
X X Boul	ders/Rocks/Rip Rap		хх				Present	e of lit	ter and debris	S		
	Gravel/Sand						Wrackir	ng				
	Bare Soil								tted down; be	ent. or a	absent	
Paveme	nt, Structures, Gabions						Sedime			2008 200		
b) From the top of the streambank o									irbed or wash	ed awa	av.	
Left			Right		\vdash	 	Scour					
P C			P C		_	 	Deposit	ion				
X	Trees		X T		\vdash	 			ved flow even	ite		
X	Bushes, Shrubs		x		X	Х	Bed an			103		
	all grasses, forbs		X X			<u> </u>	Water s					
	maintained landscape		^ ^	1	Х	х			ı nt community			
	Boulders/Rocks		^—		^_	_ ^	Change	iii piai	in community			
		-		47.10	(-h	T					9	RPWNN
	C	4		17. V	Vaters	Type	DELINIE			-		NRPW
	Gravel/Sand											
	Bare Soil						DELINE	AIE				
Pav							TNW					NRPWW
100 100	Bare Soil vement, Structures						TNW TNWW					NRPWW ISOLATE
15. In the vicinity of the stream, Che	Bare Soil vement, Structures	common:			Х		TNW TNWW RPW					NRPWW ISOLATE UPLAND
15. <u>In the vicinity of the stream</u> , Che Left	Bare Soil vement, Structures	common:	Right				TNW TNWW RPW RPWW	D				NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C	Bare Soil vernent, Structures ck "P" if present, "C" if		P C	18.		rved F	TNW TNWW RPW RPWW	D	of wildlife deterer	nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea	Bare Soil vement, Structures ck "P" if present, "C" if our structures cmside plant cover degr			18.		_	TNW TNWW RPW RPWW auna (ma	D	of wildlife deteren List	nts auch		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank	Bare Soil vement, Structures ck "P" if present, "C" if a umside plant cover degr (s collapsed/eroded	aded	P C	18.		Invert	TNW TNWW RPW RPWW	D		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank Garbagefu	Bare Soil vement, Structures ck "P" if present, "C" if a miside plant cover degr ss collapsed/eroded ink adjacent to the stres	aded	P C	18.		Invert Birds	TNW TNWW RPW RPWW auna (ma	D		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Banl Garbage/ju	Bare Soil vernent, Structures ck "P" if present, "C" if umside plant cover degres collapsed/eroded unk adjacent to the streem or sheen on bank	aded	P C	18.		Invert Birds Mami	TNW TNWW RPW RPWW auna (ma	D ake note		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Banl Garbage/ju Foar Mud, silt, or s	Bare Soil vernent, Structures ck "P" if present, "C" if a imside plant cover degrees cs collapsed/eroded unk adjacent to the streen and streen on bank and in or entering the si	aded	P C	18.		Invert Birds Mami Repti	TNW TNWW RPW RPWW auna (ma	D ake note		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank Garbage/ju Foar Mud, silt, or si Garba	Bare Soil vernent, Structures ck "P" if present, "C" if a misside plant cover degress collapsed/eroded ink adjacent to the stream or sheen on bank and in or entering the sige/junk in the stream	aded	P C	18.		Invert Birds Mami	TNW TNWW RPW RPWW auna (ma	D ake note		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank Garbage/ju Foar Mud, silt, or si Garba	Bare Soil vernent, Structures ck "P" if present, "C" if a imside plant cover degrees cs collapsed/eroded unk adjacent to the streen and streen on bank and in or entering the si	aded	P C	18.		Invert Birds Mami Repti	TNW TNWW RPW RPWW auna (ma	D ake note		nts such		NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank Garbage/ju Foar Mud, silt, or s Garba Yard waste on	Bare Soil vernent, Structures ck "P" if present, "C" if a misside plant cover degress collapsed/eroded ink adjacent to the stream or sheen on bank and in or entering the sige/junk in the stream	arm cream c, etc.)	P C		Obse	Invert Birds Mami Repti Fish	TNW TNWW RPW RPWW auna (ma	D ake note	List		as bird wi	NRPWW ISOLATE UPLAND TNWRPW
15. In the vicinity of the stream, Che Left P C X Natural Strea Banl Garbage/ju Foar Mud, sit, or s Garba Yard waste on Livestock in	Bare Soil vernent, Structures ck "P" if present, "C" if umside plant cover degress collapsed/eroded unk adjacent to the streen or sheen on bank and in or entering the stige/junk in the stream bank (clippings, leaves	arm cream c, etc.)	P C	19. A	Obse	Invert Birds Mami Repti Fish	TNW TNWW RPW RPWW auna (ma ebrates mals le/Amphi	D ake note ans	List	rom cu	as bird wi	NRPWW ISOLATE UPLAND TNWRPW res) der Touhy Rd at
15. In the vicinity of the stream, Che Left P C X Natural Strea Banl Garbage/ju Foar Mud, sit, or s Garba Yard waste on Livestock in	Bare Soil vernent, Structures ck "P" if present, "C" if a misside plant cover degress collapsed/eroded ink adjacent to the strem or sheen on bank and in or entering the sige/junk in the stream bank (clippings, leaves or with unrestricted accely discharging pipes	arm cream c, etc.)	P C	19. A	Obse	Invert Birds Mami Repti Fish al Con f site; f	TNW TNWW RPW RPWW auna (ma ebrates mals le/Amphi nments lows sou	D ake note ans	List flows south f	rom cu Banks	as bird wi	NRPWW ISOLATE UPLAND TNWRPW res) der Touhy Rd at d with riprap.
15. In the vicinity of the stream, Che Left P C X Natural Strea Bank Garbage/ju Foar Mud, silt, or si Garba Yard waste on Livestock in Active	Bare Soil vernent, Structures ck "P" if present, "C" if a imiside plant cover degri cs collapsed/eroded ink adjacent to the strein or sheen on bank and in or entering the si ige/junk in the stream bank (clippings, leaves or with unrestricted acc	arm cream c, etc.)	P C	19. A north Herb	Obse ddition end of accous	Invert Birds Mami Repti Fish al Con f site; f	TNW TNWW RPW RPWW auna (ma rebrates mals le/Amphi nments lows sou ration in in	D ake note ans ath to V majorit	List flows south f	rom cu Banks ed and	as bird wi	NRPWW ISOLATE UPLAND TNWRPW res) der Touhy Rd at d with riprap.

Stream Characterization	Date: 8/27/2019	Time: 5:00pm S	Site:	ORD	County:	Cook
Field ID: Stream Ditch	Stream Name:	Tributa	ary 2: Willow Cr	eek	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: X	0.5 to 1 ft	Stream habitats pres Pool(s) Riffles(s) Stream Velocity: fast m Nature of the particle	Run(s) X N/A	slow N/A	Water Appearan X clear milky foam, turbid light b dark t oily st orang green other:	sewage chlorine fishy rotten eggs organic orown other: heen X none ge none ish
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	35-40ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)		X	stream:	gs or large woody debris in Occasional Plentiful
e) Approximate depth of pool(s):	25ft	in stream:	turally occurring or	rganic material Unknown X Plentiful		ory that best describes the etation shades the stream: 50% 100% 75% 100%
Plant Species Adjacent to stream (scie Trees: Salix interior	entific name):	55555555555555	no right si	de <u>no</u>	bank and the chann	ption that best fits the stream nel (facing upstream):
Understory: Typha angustifoli Schoenoplectus tabernaemon Phragmites australis	a, tane,	What is the % cover of left side Facing upstream, does for 50 feet on the: left side	0 % right si	de <u>0</u> % shrub cover	Gr	Vertical/undercut Steeply sloping (>30°) radual/No slope (<30°) X
		What is the % cover of 25%		of the stream?	b) Shape of the cha X Narrow, Deep Narrow, Shal	p Wide, Deep
X X Bould Paveme b) From the top of the streambank of Left P C T T T T T T T T T T T T T T T T T T	m bank only (facing ups Trees Bushes, Shrubs aall grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions	c" if common stream): Righ P X X X	The Check C C C C C C C C C C C C C C C C C C C	k "P" if observed; Cf P U Natural Shelvin Change Destruc Presen Wfackir Vegetat Sedime Leaf little Scour Deposit Multiple Bed and	Mark Determination neck "U" if used to de line impressed on the g is in the character of titon of terrestrial vegue of litter and debris gion matted down; be nt sorting er disturbed or washe ion observed flow event debriks	n etermine OHVM ee bank soil getation ei ei ent, or absent
15. In the vicinity of the stream, Che	Bare Soil vement, Structures ck "P" if present, "C" if o	common:	nt	DELINE TNW TNWW X RPW RPWW	D	NRPW NRPWW ISOLATE UPLAND TNWRPW
Bank Garbage/ju Foar Mud, silt, or si Garba Yard waste on	mside plant cover degra as collapsed/eroded ink adjacent to the strea in or sheen on bank and in or entering the st ge/junk in the stream bank (clippings, leaves	am ream , etc.)		X Invertebrates Birds X Mammals Reptile/Amphi	ke note of wildlife deteren List crickets beaver/muski ans	
X Active	or with unrestricted acc ely discharging pipes Other pipes nes entering stream	ess X			drains to detention ar ken; heavily rip-rapp	rea under road. Culvert in bed Last Revised: 09/25

Stream Characterization	Date: 7/17/2019	Time: PM Site:	ORD WH East	County:	Cook
Field ID: @tream/Ditch	Stream Name:	Tributary 3	: Willow Creek	Investigators:	BJH, KAS
Weather in the past 24 hours: Storm (heavy rain) X	Overcast		EPHEMERAL PERENNIAL	Water Appearance clear	ce: 10. Water Odor: sewage
Rain (steady rain)	Clear/Sunny	4. Stream habitats present:		milky	chlorine
X Showers (intermittent rain)	- One of the second	Pool(s)	X Run(s)	foamy	fishy
		Riffles(s)	N/A	X turbid	rotten eggs
a) Approximate depth of water in	n stream:	5. Stream Velocity:		light br	
□N/A	6-8 inches	fast moder	ate X slow N/A	dark bi	
b) Approximate width of water flo	OM.	6. Nature of the particles in	the stream bottom:	orange	
b) / pproximate trial of trater no	1000 100	o. Hatare of the particles in	are sacam boatom.	greeni	
N/A	15 feet	20	None Little Some Most	other:	
c) Approximate width of stream:	P	silt/clay/mud	Х		
(from top of bank to	25 feet	sand			s or large woody debris in
top of bank)	and the second second	gravel cobbles (2 - 10" diam.)		stream:	Occasional Plentiful
d) Approximate height of banks (cha	annel denth):	boulders (> 10" diam.)	- 	IvoneXC	Occasional Pientiful
2000000	1557 57	bedrock			
left 12 feet righ	12 feet		occurring organic material	12. Pick the categor	ry that best describes the
,		in stream:			etation shades the stream:
e) Approximate depth of pool(s):	l		Unknown	0%	X 50% 100%
To bus		None X Occas	ional Plentiful	25%	75%
X N/A 2. Plant Species Adjacent to stream (scie		8. Facing upstream, does th	s straom have tree amor		other%
2. Plant Species Adjacent to stream (scie	entinc name).	for 50 feet on the:	s sileall have tree cover	13 Pick the descript	otion that best fits the stream
Trees: Salix interior, Acer negu	undo	left side yes	right side yes	bank and the channe	
Rhamnus cathartica,	70150	100000000 1_2==			(3 - -
1		What is the % cover of trees	per side of the stream?	a) Stream bank:	
		left side 40	% right side <u>70</u> %	Left	Right
Understory: Typha angustifoli	ia, RCG,	Footon management described	Control Control Control		Vertical/undercut
Vitis riparia, Toxicodendron ra sempervirens, Nepeta cataria,	adicans, Solidago	Facing upstream, does this s for 50 feet on the:	tream have <u>shrub</u> cover		teeply sloping (>30°) Adual/No slope (<30°)
Semperviiens, riepeta datana	7	left side yes	right sideyes		addai/No slope (<50)
			9-06-00-05-00-05-00-00-00-00-00-00-00-00-00-	b) Shape of the cha	nnel:
		What is the % cover of shru		Narrow, Deep	Wide, Deep
		20	20 Observer initials: ks	X Narrow, Shallo	
14. Describe the streamside cover.			16. Ordinary High Water	Mark Determination	
Along the water's edge and stream Left	m bank only (facing ups	stream): Right	Check "P" if observed; C	hack "I.I" if used to det	termine OHMM
P C		P C	P U	neck o nasea to det	errinine Or 10 wor
XX	Trees	XX	Natura	line impressed on the	e bank
	Bushes, Shrubs	хх	X Shelvir		330 330 330 330
	all grasses, forbs			es in the character of s	
	maintained landscape Iders/Rocks/Rip Rap	хх		ction of terrestrial vege ce of litter and debris	etation
A A Boul	Gravel/Sand	X X	X X Wracki		
	Bare Soil			tion matted down; ben	nt. or absent
Paveme	ent, Structures, Gabions			ent sorting	
b) From the top of the streambank o	out to 50 fee t:	·		er disturbed or washe	d away
Left		Right	Scour		
P C	Trees	P C	Deposi	tion e observed flow events	_
- 	Bushes, Shrubs	$\frac{\hat{x} + \hat{x}}{\hat{x} + \hat{x}}$		d banks	•
	all grasses, forbs			staining	
X X Lawn,	maintained landscape			e in plant community	
	Boulders/Rocks				
	Gravel/Sand		17. Waters Type	FATE -	RPWNN NRPW
De:	Bare Soil vement, Structures		DELIN	EAIE	NRPW NRPWW
F**	vernent, outdoutes		TNVM	, +	ISOLATE
15. In the vicinity of the stream, Che	eck "P" if present, "C" if o	common:	X RPW	3	UPLAND
Left	THE PERSON NAMED OF THE PERSON NAMED OF THE PERSON	Right	RPWM		TNWRPW
P C		PC	18. Observed Fauna (m	ake note of wildlife deterents	s such as bird wires)
	amside plant cover degr ks collapsed/eroded	aded X	X Invertebrates	List insects.	
	ks collapsed/eroded unk adjacent to the strea		X Birds	red-winged bla	ackbird robin
	m or sheen on bank		X Mammals	deer and racco	
Mud, silt, or s	and in or entering the st		X Reptile/Amph		
X Garba	age/junk in the stream	Х	Fish		
	bank (clippings, leaves		40 4 1 2 1 2		
	or with unrestricted acc	ess	19. Additional Comments	ast from a culvert und	dor interstate
Active	ely discharging pipes Other pipes	\vdash		ast from a culvert und of confluence with W	
Ditel	hes entering stream	 	bridge present north	or confidence with VV	II Last
	oog ou cont		Datasheet entered by:	KAS	Last Revised: 08/19

Stream Characterization	Date: 8/27/2019 Time:	11:55 AM Site:	ORD	County:	DuPage
Field ID: otream/pitch	Stream Name:	Willow Creek -	Section 1	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: X Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water fl	Overcast	m habitats present: Pool(s) Riffles(s) Tolocity: Tast moderate The of the particles in the st	RUN(S) N/A slow N/A ream bottom: Little Some Most	8: Water Appearance:	10. Water Odor:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (ch	100+ ft sand gravel cobbles boulders		X X X	11. Presence of logs or larg stream: X None Occasion	Policy policy and the
e) Approximate depth of pool(s) N/A Plant Species Adjacent to stream (se	6-10 ft	Presence of naturally occu n stream: None Cocasional	Unknown X Plentiful	X 25% 7	
Trees: Salix petiolaris, Morus	for 50 fe	et on the: eft sideyes	right side <u>yes</u>	13. Pick the description that bank and the channel (facin	
Understory: Phragmites australis, Lythrun	n salicaria Facing u for 50 fe	the % cover of <u>trees</u> per seft side 2 % pstream, does this stream et on the: eft side yes the % cover of <u>shrubs</u> per 10% 40%	right side <u>5</u> % In have <u>shrub</u> cover right side <u>yes</u>	Steeply s	al/undercut X sloping (>30°) lo slope (<30°) Wide, Deep Wide, Shallow
Lawn, Bou X X Pavem b) From the top of the streambank of Left P C	m bank only (facing upstream): Trees Bushes, Shrubs Fall grasses, forbs maintained landscape Idders/Rock/Rip Rap Gravel/Sand Bare Sell ent Structures, Babions		16. Ordinary High Water Check "P" if observed; Ci P U Natural Shelvin Change Destrue Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an Water stree Change X X Structu 17. Waters Type	Mark Determination heck "U" if used to determine Il line impressed on the bank ig es in the character of soil ction of terrestrial vegetation ce of litter and debris ng tion matted down; bent, or ab ant sorting ter disturbed or washed away tion e observed flow events d banks staining e in plant community res	OHWM
15. In the vicinity of the stream, Chr Left P C Natural Stre Bar Garbage/j Foa Mud, silt, or s Garb	Bare Soil avernent, Structures eck "P" if present, "C" if common: amside plant cover degraded also collapsed/eroded unk adjacent to the stream am or sheen on bank sand in or entering the stream age/junk in the stream	Right P C	X TNW TNWW RPW RPW	J/D ake note of wildlife deterents such as List bird wire present	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock ir Activ	n bank (clippings, leaves, etc.) n or with unrestricted access rely discharging pipes Other pipes ches entering stream	X	19. Additional Comments Double box culverts	at each end 10ft x 15ft; conc	rete walls

APPENDIX L L-470 NOVEMBER 2022

Stream Characterization	Date: 8/27/2019 Time	: 10:45am Site:	ORD	County:	DuPage
Field ID: Steam/Dijch	Stream Name:	Willow Creek-	Section 2	Investigators:	ВЈН, СВМ
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) X Showers (intermittent rain)	Overcast Clear/Sunny 4. Str	eam habitats present: Pool(s) Riffles(s) X	MERAL PERENNIAL RMITTENT Run(s) N/A	9. Water Appearance: clear milky foamy turbid	10. Water Odor: sewage chlorine fishy rotten eggs
Approximate depth of water i N/A	n stream: 5. Str	eam Velocity: fast moderate	X slow N/A	X light brow dark brow oily shee	n other:
b) Approximate width of water f	low: 6. Na approx 110 ft	ture of the particles in the s		orange greenish other:	none
c) Approximate width of stream (from top of bank to	silt/cla	iy/mud	Little Some Most		r large woody debris in
top of bank) d) Approximate height of banks (ch	grave	es (2 - 10" diam.) ers (> 10" diam.)		stream: X None Occ	asional Plentiful
left 20 ft right	20 ft bedro		urring organic material	12. Pick the category t	hat best describes the
e) Approximate depth of pool(s):	in stream: vegetation	hroughout Unknown X Plentiful	extent to which vegetat X 0% 25%	ion <u>shades</u> the stream: 50% 100% 75%
X N/A		The street of th	and a service of	25%	other%
Plant Species Adjacent to stream (s Trees:		ing upstream, does this str feet on the: left side no	20 20 200	13. Pick the descriptio	n that best fits the stream
11665.				,	lacing upstream).
Un derstory:	What	is the % cover of <u>trees</u> per left side <u>0</u> %	side of the stream? right side <u>0</u> %	a) Stream bank: Left X Ve	Right xtical/undercut X
Typha angustifolia, Phragmit Sagittaria cuneata, Lythrum		g upstream, does this strea feet on the:	m have <u>shrub</u> cover		oly sloping (>30°)
Potomageton sp.,	sancaria,	left side <u>no</u>	right side <u>no</u>	10 10 10 10 10 10 10 10 10 10 10 10 10 1	al/No slope (<30°)
11/20	What	is the % cover of shrubs p	er side of the stream?	b) Shape of the chann X Narrow, Deep	el: Wide, Deep
			Observer initials:	Narrow, Shallow	Wide, Shallow
 Describe the streamside cover Along the water's edge and stream 			16. Ordinary High Water	Mark Determination	
Left	200 Maria (1900 Ma	Right	Check "P" if observed; C	heck "U" if used to deter	mine OHWM
PC	Trees	PC	P U Natural	line impressed on the b	ank
	Bushes, Shrubs		Shelvin		
	all grasses, forbs maintained landscape			es in the character of soi ction of terrestrial vegeta	
Bou	Iders/Rocks/Rip Rap		Presen	ce of litter and debris	
	Gravel/Sand Bare Soil		Wrackii	ng tion matted down; bent,	or absent
	ent, Structures, Gabions	хх	Sedime	ent sorting	
b) From the top of the streambank Left	out to 50 feet:	Right	Leaf litt Scour	er disturbed or washed a	away
P C		P C	Deposi		
	Trees Bushes, Shrubs			e observed flow events d banks	
	all grasses, forbs	хх	X X Water s	staining	
X X Lawn,	maintained landscape Boulders/Rocks		Change	in plant community	
	Gravel/Sand		17. Waters Type	5302KT36-6469	RPWNN
	Bare Soil vement, Structures		X DELINE	EATE	NRPW NRPWW
			TNVW		ISOLATE
 In the vicinity of the stream, Ch Left 	eck "P" if present, "C" if comm	on: Right	RPW RPWW		UPLAND TNWRPW
P C		P C	10 Observed Louise (m.	ake note of wildlife deterents s	TOTAL CONTRACTOR OF THE PROPERTY OF THE PROPER
	amside plant cover degraded		Invertebrates	List	
Garbage/j	unk adjacent to the stream		X Birds	green heron; bird	l wires present
	m or sheen on bank sand in or entering the stream		Mammals	iane	
	age/junk in the stream		Reptile/Amph Fish	10110	
Yard waste or	n bank (clippings, leaves, etc.)			-	
	or with unrestricted access	 	 Additional Comments wires present approx ever 		resent for full length; bird rt at south end. Approx 1.4"
Х	Other pipes	Х	rain previous day and nigh		
Dito	ches entering stream		40ft culvert at north end		Lost Dayler J. 00/05
			Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-471 NOVEMBER 2022

Stream Characterization	Date: 8/27/2019 Ti	ime: 2:00pm Site:		County:	COOK
Field ID: Stream/Ditch	Stream Name:	Willow Creek -	Section 3	Investigators:	BJH, CBM
Weather in the past 24 hours: X Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water flor	Overcast	Stream habitats present: Pool(s)	RMITTENT Run(s) N/A slow N/A	Water Appearance: clear milky foamy turbid X light brown dark brown oily sheen orange greenish other:	10. Water Odor: sewage chlorine fishy rotten eggs organic other: X none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char left 3 ft right e) Approximate depth of pool(s):	40 ft gr co nnel depth):	ilt/clay/mud and ravel obbles (2 - 10" diam.) oulders (> 10" diam.) edrock . Presence of naturally occu in stream: None Occasional	X	11. Presence of logs or la stream: X None Occas 12. Pick the category tha extent to which vegetation	sional Plentiful t best describes the
Plant Species Adjacent to stream (scient Trees: N/A Understory: Phalaris arundinacea, Phragm Schoenoplectus tabermontana	W ites australis, Fa., fo.	Facing upstream, does this stre or 50 feet on the: left side no What is the % cover of trees per sleft side 0 % facing upstream, does this stream or 50 feet on the:	right side <u>no</u> side of the stream? right side <u>0</u> %	Steeply	hat best fits the stream
Typha angustifolia, Lythrum sa Dipsacus laciniatus, Daucus ca 14. Describe the streamside cover.	erota (upland) W		right side no r side of the stream? Observer initials: BJH 16. Ordinary High Water	b) Shape of the channel: Narrow, Deep Narrow, Shallow Mark Determination	Wide, Deep Wide, Shallow
X X Lawn, r Bould Pavement b) From the top of the streambank ou Left P C E X X Tax X X Lawn, r	Trees Sushes, Shrubs Ill grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions at to 50 fee t: Trees Sushes, Shrubs Ill grasses, forbs maintained landscape Soulders/Rocks	Right PC XXX Right PC XXX XXX Right PC XXX XX XXX	P U Natural X X Shelvin Change Destruc Present X Wrackin X Vegetat Sedime Leaf litt X Scour X Deposit Multiple X X Bed and Water s Change	is in the character of soil tion of terrestrial vegetation is of little and debris g ion matted down; bent, or int sorting er disturbed or washed award on the sorting or disturbed or washed award on beserved flow events to banks	k n absent aay
15. In the vicinity of the stream, Check Left P C Natural Stream X Bank Garbage/jur	mside plant cover degrade s collapsed/eroded nk adjacent to the stream	Right P C	X Invertebrates Birds		RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW as bird wires)
Mud, silt, or sa Garbae Yard waste on Livestock in a	n or sheen on bank und in or entering the streat ge/junk in the stream bank (clippings, leaves, e or with unrestricted acces: ly discharging pipes Other pipes es entering stream	etc.)	Mammals Reptile/Amphi Fish 19. Additional Comments double box culverts a	ans frog	Last Revised: 09/25

APPENDIX L L-472 NOVEMBER 2022

Stream Characterization	Date: 7/29/2019	Time: 9an	n Site:	,	טאט	AF	Cou	iity.			Cook	
Field ID Stream Ditch	Stream Name:		Willow Cre	ek - Sect	ion 4		Inve	stigatoı	rs:	В	JH, CBM	1, KAS
Weather in the past 24 hours:		3. Circle flow reg	aime: E	PHEMER	AL (PERENNIAL	9. W	ater Appe	arance:		10. Water	Odor:
Storm (heavy rain)	Overcast			NTERMIT			100 1200		lear	ı	sew	
Rain (steady rain) X	Clear/Sunny	4. Stream habita	ats present:				1		nilky	ı	chlo	
X Showers (intermittent rain)		Pool(s)	Г	x Run((2)				oamy	ı	fishy	
A Johother's (intermittent runn)		X Riffles(s	s F	N/A	.5,				urbid	ŀ		en eggs
d -\ 6i				IIV/			1			ŀ		
 a) Approximate depth of water in 	stream:	5. Stream Veloc			1				ght brown		orga	
- Inves	12-24 inches	fast	modera	ite X	slow	N/A			lark brown		othe	
N/A							4		ily sheen		X non	a
 b) Approximate width of water flo 	ow:	Nature of the	particles in t	he stream	bottom				range	none		
									reenish			
N/A			1	lone Little	Some	Most			ther:			
c) Approximate width of stream:		silt/clay/mud	Г			X						
(from top of bank to	(20)	sand	F				11. P	resence	of logs or la	arge woo	ody debris	in
top of bank)	80 feet	gravel	T	Х	1			stream:				
top or burning	6	cobbles (2 - 10"	diam)	- 1	1		Y	None	Occas	ional [Pler	+ifi.d
d) Approximate height of banks (cha	annol donth):	boulders (> 10"	diam.)	_	+	_		INONE	occas	L	11161	tilai
u) Approximate neight or banks (cha	inner deptin).	bedrock	ulaili.)		1	_						
30 ft	. 30 ft				٠.		٠					
left 301t righ	t		e of naturally	occurring	organic	material			tegory that			
		in strear	m:		-				vegetation		<u>s</u> the <u>strea</u>	
e) Approximate depth of pool(s):						Unknown	Х	0%		50%		100%
	40.04 in the	None	X Occasi	onal		Plentiful		25%		75%		
N/A	12-24 inches	pocontopic:	language and			- Harrison Anna Salation		VOISINGES !		other -	%	
2. Plant Species Adjacent to stream (scient	entific name):	8. Facing upstre	am does this	stream ha	ve tre	e cover	1					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	for 50 feet on the			-		13 P	ick the de	escription th	hat host	fite the etr	eam
Trees:		left side		right	cido	No			hannel (fac			Juli
Hees.		ieit side	110	ngni	side	140	Dalik	and the c	ilaililei (lac	ing ups	ueam).	
		100-1:-10/-			C 41 L		-\ 04		100			
		What is the % co					- S 10000	ream ban	к:			
		left side		6 right	side	%	Left					Right
Understory:							Х	1		cal/unde		Х
Phragmites austrailis, Lythrun	n salicaria,	Facing upstrean	n, does this s	tream have	shrul	<u>b</u> cover			Steeply	sloping	(>30°)	
Solidago sempervirens, Dipsacu	s laciniatus,	for 50 feet on the	e:						Gradual/	No slop	e (<30°)	
Juncus sp.		left side	No	right	side	No		-				
							b) Sh	ape of th	e channel:			
		What is the % co	over of shrul	s per side	of the	stream?		Narrow,	Deep		Wide, Dee	р
		1		Obse	erver in	itials:		Narrow,			de, Shallo	
14. Describe the streamside cover.	Check "P" if present "0	" if common		16.	Ordina	ry High Water	Mark I					
a) Along the water's edge and stream				2.53		· ,g						
Left	in bunk only (lucing up	deam).	Right	Chr	ock "D"	if observed; C	nook "I	l" if used	to determin	- OLIM	84	
				Cite	CK F	ii observed, C	ieck c	ii useu	to determin	ie Onw	IVI	
P C			P C		P P							
	Trees							pressed o	on the bank	•		
	Bushes, Shrubs	<u>L</u>				Shelvin						
	all grasses, forbs		Х					e charact				
Lawn,	maintained landscape								l vegetation	1		
			X X			Presen		ter and d	ebris			
X X Boul	ders/Rocks/Rip Rap											
X X Boul		l l				Wracki	ng					
X X Boul	ders/Rocks/Rip Rap	Ī			Х			tted down	n; bent, or a	absent		
	ders/Rocks/Rip Rap Gravel/Sand Bare Soil				Х	Vegeta	tion ma		n; bent, or a	absent		
X X Paveme	ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions		хх		Х	Vegeta Sedime	tion ma ent sorti	ng				
X X Paveme b) From the top of the streambank o	ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions		хх		Х	Vegeta Sedime Leaf litt	tion ma ent sorti	ng	n; bent, or a			
X X Paveme b) From the top of the streambank o	ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions				X	Vegeta Sedime Leaf litt Scour	tion ma ent sorti er distu	ng				
X X Paveme b) From the top of the streambank o	ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t:	. [хх		Х	Vegeta Sedime Leaf litt Scour Deposi	tion ma ent sorti er distu	ng Irbed or w	ashed awa			
X X Paveme b) From the top of the streambank o Left P C	ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t: Trees		хх			Vegeta Sedime Leaf litt Scour Deposi Multiple	tion ma ent sorti er distu tion e obser	ng irbed or w ved flow e	ashed awa			
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X X X Paveme b) From the top of the streambank of Left P C X X X T Lawn, 15. In the vicinity of the stream, Checker P C Natural Street Bank Garbage fur Foai Mud, silt, or s Garba Yard waste on Livestock in Active	ders/Rocks/Rip Rap Gravel/Sand Bare Soil int, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand Bare Soil vement, Structures ck "P" if present, "C" if it imside plant cover degr is collapsed/eroded ink adjacent to the strein or sheen on bank and in or entering the si ige/junk in the stream i bank (clippings, leaves or with unrestricted acc	common: aded am tream s, etc.)	X X Right P C X X Right	18.	X Vaters X Obse X Addition walls/b	Vegeta Sedime Leaf litt Scour Deposi Multiple X Bed an Water Change Type DELINI TNWW RPWM RPWM RPWM Invertebrates Birds Mammals Reptile/Amph Fish al Comments	tion mant sortificer distriction mant sortificer distriction of the construction of th	ng Irbed or vi ved flow e s Int commu of wildlife de List great blu box culv- bions wal	e heron	as bird wil	NRPW NRPWW ISOLATE UPLAND TNWRPW (res)	

APPENDIX L L-473 NOVEMBER 2022

Stream Characterization	Date: Aug 2 & 12	Time: 4pm; 11am Site: 1	North airfield, gabion section	County:	Cook
Field ID: @ream/Nitch	Stream Name:	Willow Creel	c - section 5	Investigators:	BJH, CBM
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in N/A N/A	3-6 ft	A. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	Run(s) (N/A	9. Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (che	25_30 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	X	000000000000000000000000000000000000000	asional Plentiful
e) Approximate depth of pool(s):		in stream: None X Occasion	200000000000000000000000000000000000000	12. Pick the category the extent to which vegetation X 0% 25%	
Plant Species Adjacent to stream (sci Trees: N/A	entific name):	Facing upstream, does this s for 50 feet on the: left side No	right side <u>no</u>	bank and the channel (f	n that best fits the stream facing upstream):
Understory: N/A		What is the % cover of <u>trees</u> prieft side 0 % Facing upstream, does this strefor 50 feet on the: left sideno	right side 0 % am have shrub cover right side no	Steep	Right ontical indercut X oly sloping (>30°) al/No slope (<30°)
X X Pavembank of Left P C X X Lawn, Boul	Trees Bushes, Shrubs all grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil	Right P C	Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natural Shelvin Chang Destru Presen Wracki Vegeta Sedim Leaf lit Scour Deposi Multiple Bed an Water X X Change	heck "U" if used to determ line impressed on the ba ge in the character of soil ction of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, o ant sorting er disturbed or washed a tion e observed flow events d banks staining e in plant community	ion or absent
15. In the vicinity of the stream, Che Left P C Natural Stree Ban Garbage/i Foa Mud, silt, ors Garbi Yard waste or Livestock in	amside plant cover degriks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the stage/junk in the stream hank (clippings, leaves or with unrestricted acc	Right P C aded am tream s, etc.)	Invertebrates Birds Mammals Reptile/Amph X Fish	ians carp	
	ely discharging pipes Other pipes hes entering stream			ft tall; top of gabion mapp abion tier approx. 10ft ab	

APPENDIX L L-474 NOVEMBER 2022

Stream Characterization	Date: 8/12/2019	Time: 9:00am :	Site:	ORD		County:	Cook
Field ID: (tream Ditch	Stream Name:	Willo	w Creek - S	ection 6		Investigators:	ВЈН
Weather in the past 24 hours: Storm (heavy rain) X Rain (steady rain) Showers (intermittent rain)	Overcast Clear/Sunny	Circle flow regime: Stream habitats pre Pool(s) X Riffles(s) Stream Velocity:	sent: X F	MITTENT Run(s)	PERENNIAL	9. Water Appearar X clear milky foam turbic	sewage chlorine y fishy
□N/A	3-5 ft	fast X	moderate	slow	N/A		brown other:
b) Approximate width of water flo	000-2004	Nature of the partic	les in the stre	am bottom:		orang	ge none
N/A c) Approximate width of stream:	35 ft	silt/clay/mud	None [Little Some N	Most	other	
(from top of bank to top of bank)	75 0	sand gravel				11. Presence of lo	gs or large woody debris in
d) Approximate height of banks (char		cobbles (2 - 10" diam.) boulders (> 10" diam.)		Х			Occasional Plentiful
left 10-15ft right	15 0	bedrock 7. Presence of na	Х	ring organic n	matorial	12 Pick the catego	ory that best describes the
e) Approximate depth of pool(s):	L.	in stream:	aturally occur		Jnknown		petation shades the stream:
X N/A		None (Occasional		Plentiful	25%	75% other - %
Plant Species Adjacent to stream (scie		8. Facing upstream, do	oes this stream	m have <u>tree</u>	cover	12 Diele Nee deces	ption that best fits the stream
Trees:		left side	no ri	ight side _	no		puon that best lits the stream nel (facing upstream):
Salix interior		What is the % cover of				a) Stream bank:	
Understory:		left side		ight side _	0_%	Left	Vertical/undercut Right
Phragmites australis, Lythrum Conium maculatum,	salicaria,	Facing upstream, does for 50 feet on the:					Steeply sloping (>30°) radual/No slope (<30°) X
		left side _			yes	b) Shape of the ch	
			20%	Observer initia	als:	Narrow, Dee Narrow, Sha	llow Wide, Shallow
 Describe the streamside cover. Along the water's edge and stream 				Carlos de Carlos		Mark Determinatio	
Left P C		Rig P	ht C	Check "P" if	observed; Ch U	eck "U" if used to de	etermine OHV/M
	Trees Bushes, Shrubs				Natural Shelving	line impressed on th	ie bank
X X Ta	all grasses, forbs maintained landscape	Х	Х			s in the character of tion of terrestrial veg	
X Bould	ders/Rocks/Rip Rap Gravel/Sand	х	Х	х		e of litter and debris	
Paveme	Bare Soil nt, Structures, Gabions			X	X Vegetat	ion matted down; be nt sorting	ent, or absent
b) From the top of the streambank ou Left		Rig	ht			er disturbed or wash	ed away
P C	Trees	P	<u>"c</u>		Deposit	ion observed flow even	te
	Bushes, Shrubs			х	Bed and	d banks	
Lawn	naintained landscape Boulders/Rocks	> x	Х	x		in plant community	
	Gravel/Sand Bare Soil			7. Waters Ty	/pe DELINE		RPWNN NRPW
Pav	ement, Structures			х	TNW	AIE	NRPWW
15. In the vicinity of the stream, Chec	ck "P" if present, "C" if c				RPW		ISOLATE UPLAND TNWRPW
Left P C		Rig P		8. Observe	RPWWI ed Fauna (ma	ke note of wildlife deterer	
X Bank	mside plant cover degra s collapsed/eroded				nvertebrates	List butterflies, be	
Foan	nk adjacent to the stream n or sheen on bank			N	Birds Mammals	ducks; bird w	ires present
Garba	and in or entering the str ge/junk in the stream			X	Reptile/Amphi Fish	carp	
Livestock in	bank (clippings, leaves, or with unrestricted acce			9. Additional			
X	ely discharging pipes Other pipes			perenni	ial flowing; co	nstructed channel re	einforced in places with riprap
Ditch	es entering stream	Х		Datasheet ent	tered by:		Last Revised: 09/25

APPENDIX L L-475 NOVEMBER 2022

Stream Characterization	Date: 7/30/2019	Time: Site:	ORD TAP	County:	Cook	
Field ID: Stream/Ditch	Stream Name:	Willow Cr	ek - Section 7	Investigators:	BJH, CBM, KAS	
Weather in the past 24 hours:	19.	3. Circle flow regime:	PHEMERAL PERENN	IAL 9. Water Appearance	: 10. Water Odor:	
Storm (heavy rain)	Overcast		NTERMITTENT	X clear	sewage	
Rain (steady rain)	Clear/Sunny	4. Stream habitats present:		milky	chlorine	
X Showers (intermittent rain)		Pool(s)	X Run(s)	foamy	fishy	
		Riffles(s)	N/A	turbid	rotten eggs	
1. a) Approximate depth of water in	stream:	5. Stream Velocity:	•	light bro		
, 11		fast mode	ite X slow N/A			
□N/A	6 inches to 3 ft	100001		oily she		
b) Approximate width of water flo	ow:	6. Nature of the particles in	he stream bottom:	orange	none	
2) 1 pp 0	0.00000 0.00	an included and parameters in		greenish		
N/A	150 ft		lone Little Some Most	other:		
c) Approximate width of stream:		silt/clay/mud	X X	outer:		
(from top of bank to	1	sand	111	11 December of lane	or large woody debris in	
	300 ft		x	stream:	or large woody debits in	
top of bank)		gravel			ccasional Plentiful	
N. C.	Control of the Control	cobbles (2 - 10" diam.)		X None O	ccasional Plentiful	
d) Approximate height of banks (cha	innei depth):	boulders (> 10" diam.)				
75 ft	. 50 ft	bedrock				
leftrigh	t		occurring organic material	Pick the category	that best describes the	
		in stream:	(1)		ation shades the stream:	
e) Approximate depth of pool(s):			Unknown	X 0%	50%100%	
		None X Occas	onal Plentiful	25%	75%	
χ N/A					other%	
Plant Species Adjacent to stream (scientification)	entific name):	Facing upstream, does th	stream have tree cover			
pages and the second and the second s	SELVER AND SANTANE BA	for 50 feet on the:		Pick the description	on that best fits the stream	
Trees:		left side yes	right side yes	bank and the channel		
Acer negundo, Fraxinus penn	sylvanica. Acer	11-00 (E)			(
saccharinum, Populus deltoid	es. Salix interior	What is the % cover of tree	per side of the stream?	a) Stream bank:		
		left side 20	6 right side 15 %	Left	Right	
Understory:		<u> </u>	g		/ertical/undercut	
Lythrum salicaria, Phragmites	australis	Facing upstream, does this	ream have shrub cover		eply sloping (>30°) X	
Sambucus canadensis, Vitis r		for 50 feet on the:	aream nave <u>smub</u> cover		dual/No slope (<30°)	
Carribacus cariaderisis, vikis r	puna	left side no	right side no	L Giac	dual/140 slope (<50)	
		ieit side	right side	b) Shape of the chan	nol:	
		What is the % cover of shru	s ner side of the stream?	Narrow, Deep		
		Willat is the 70 cover of 31110	Observer initials:	Narrow, Deep Narrow, Shallov	Wide, Deep X	
14. Describe the streamside cover.	Charle IIDII (farance and IIC	SII 16			w vilde, Sitallow A	
			16. Ordinary High W	ater Mark Determination		
a) Along the water's edge and stream	m bank only (facing ups		or I abase			
Left		Right	Check "P" if observe	d; Check "U" if used to dete	rmine OHVW	
P C	444,000,000	P C	P U		10000 Mg	
X	Trees	X		tural line impressed on the b	bank	
	Bushes, Shrubs			elving		
X X Tall grasses, forbs		X X		anges in the character of so		
	maintained landscape			struction of terrestrial vegeta	ation	
X X Boul	ders/Rocks/Rip Rap	X X	X X Presence of litter and debris			
	Gravel/Sand			acking		
Bare Soil				X X Vegetation matted down; bent, or absent		
	ent, Structures, Gabions			diment sorting		
 b) From the top of the streambank o 	ut to 50 fee t:			af litter disturbed or washed	away	
Left		Right	Sci	our		
P C		PC		position		
	Trees			Itiple observed flow events		
	Bushes, Shrubs			d and banks		
X X T	all grasses, forbs	X X	Wa	ter staining		
Lawn,	maintained landscape	х	X X Ch	ange in plant community		
	Boulders/Rocks					
	Gravel/Sand		17. Waters Type		RPWNN	
	Bare Soil			LINEATE	NRPW	
X X Pav	vement, Structures	x x	X TN		NRPWW	
10.00				ww	ISOLATE	
15. In the vicinity of the stream, Che	ck "P" if present "C" if o	ommon.	I H RP		UPLAND	
	Left			wwb	TNWRPW	
P C		Right P C		a (make note of wildlife deterents :		
X X Natural Strea	amside plant cover degra			List		
	ks collapsed/eroded	+ 1	Invertebra			
Garbagelii	Garbage/junk adjacent to the stream		X Birds		ent; ducks, great blue heron	
Foam or sheen on bank		····	Mammals		, addres great blue fieron	
Mud, silt, or sand in or entering the stre		ream H	Reptile/A		-	
		I EQIII		прпівпіз		
Garbage/junk in the stream			Fish			
	Yard waste on bank (clippings, leaves, o		40 4 4 40 10			
Livestock in or with unrestricted acce		ess	19. Additional Comme			
A ctive	and account the country of the count					
Activi	ely discharging pipes		banks vegetate	d with some armoring 6-10 f	reet up south and north sides;	
	Other pipes		banks vegetate	d with some armoring 6-10 f	reet up south and north sides;	
		X	Datasheet entered by	d with some armoring 6-10 f	Last Revised: 08/19	

APPENDIX L L-476 NOVEMBER 2022

Stream Characterization	Date: 7/30/2019	Time: Site:	ORD TAP	County:	Cook
Field ID: Stream/Ditch	Stream Name:	Willow Creek	- Section 8	Investigators:	BJH, CBM
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water flo	2-3 feet	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the s		9. Water Appearance:	n other:
n/A c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	60ft	sit/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of naturally occ in stream:	E Little Some Most X X Lurring organic material	12. Pick the category th	asional Plentiful
e) Approximate depth of pool(s): X N/A 2. Plant Species Adjacent to stream (science)		None X Occasiona 8. Facing upstream, does this str	11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	extent to which vegetation X 0% 25%	50% 100% 100% 100% 100% 100% 100% 100% 1
Trees:	stulic traine),	for 50 feet on the: left side <u>no</u> What is the % cover of <u>trees</u> per	right side no side of the stream?	13. Pick the description bank and the channel (final)a) Stream bank:	n that best fits the stream facing upstream):
Understory: no vegetation; channelized		left side% Facing upstream, does this strea for 50 feet on the: left sideno	right side <u>no</u>	Steep Gradua b) Shape of the channe	
Davener b) From the top of the streambank of Left P C	m bank only (facing up Trees Bushes, Shrubs all grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil But to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	Right PC	Observer initials: 16. Ordinary High Water Check "P" if observed; Cl P U Natural Shelvin Change Destrue Presen Wracki Vegeta Sedime Leaf iit Scour Deposi Multiple Bed an X X Water Change	heck "U" if used to determ line impressed on the ba g sin the character of soil ction of terrestrial vegetatice of litter and debris ng tion matted down; bent, o ent sorting er disturbed or washed available to be observed flow events d banks staining e in plant community	ink or absent way RPWNN
15. In the vicinity of the stream, Che Left P C Natural Strea Bank Garbage/ju Foar Mud, silt, or s: Garba Yard waste on	amside plant cover degriks collapsed/eroded unk adjacent to the strem or sheen on bank and in or entering the sage/junk in the stream in bank (clippings, leaver	Right P C raded am stream s, etc.)	Invertebrates Birds Mammals Reptile/Amph X Fish	D ake note of wildlife deterents such	NRPW NRPWW ISOLATE UPLAND TNWRPW th as bird wires)
Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream	cess	19. Additional Comments concret	e walled	Last Revised: 08/19

APPENDIX L L-477 NOVEMBER 2022

Stream Characterization	Date: 7/17/2019	Time: AM	Site:	ORD	County:	Cook
Field IP. Stream/Disch	Stream Name:		/illow Creek -	section 9	Investigators:	BJH, KAS
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain)		Circle flow regin Stream habitate Pool(s) X Riffles(s)	INTER	MERAL PERENNI RMITTENT Run(s) N/A	X clea milk foan turbi	r sewage y chlorine ny fishy id rotten eggs
Approximate depth of water i N/A Approximate width of water f	6 inches to 3 feet	5. Stream Velocity fast 6. Nature of the p	moderate	X slow N/A	dark oily: oran	t brown organic t brown other: sheen X none nige none
c) Approximate width of stream (from top of bank to top of bank)	: 120 feet	silt/clay/mud sand gravel cobbles (2 - 10" d		Little Some Most X X	stream:	ogs or large woody debris in Occasional Plentiful
d) Approximate height of banks (charge) left 20ft right	20 1	boulders (> 10" di bedrock 7. Presence in stream:	of naturally occ	urring organic material		gory that best describes the
e) Approximate depth of pool(s	3 feet	None	Occasional	Unknown X Plentiful	X 0% 25%	50% 100% 75% 100% other%
Plant Species Adjacent to stream (s Trees: Salix interior, Acer negundo	cientific name):	8. Facing upstrear for 50 feet on the: left side		eam have <u>tree</u> cover right side <u>No</u>		ription that best fits the stream nnel (facing upstream):
Understory: Asclepias syriaca, Solidago Phalaris arundinacea, Poa p riparia, Leucanthemum vulga Glechoma hederaceae, Past Sisymbrium officinale, Solida	ratensis, Vitis are, Polygonum sp., inica sativa ago sempervirens . Check "P" if present, "	left side Facing upstream, for 50 feet on the: left side What is the % cov	0 % does this strear Yes Yer of shrubs pe	right side of the stream? right side 0 % n have <u>shrub</u> cover right side <u>Yes</u> er side of the stream? Observer initials: k 16. Ordinary High Wa	b) Shape of the c Narrow, De	ep Wide, Deep X
Lawn, Bou Pavem b) From the top of the streambank Left P C X X X X X X	Trees Bushes, Shrubs fall grasses, ferns maintained landscape lders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions		Right C	P U Nati	; Check "U" if used to a ral line impressed on a ving nges in the character or ruction of terrestrial venence of litter and debroking etation matted down; because the conting filter disturbed or was a rosition iple observed flow ever and banks er staining nge in plant community.	the bank of soil egetation ris oent, or absent shed away
15. In the vicinity of the stream, Ch Left P C Natural Stre Ban Garbage/j Foa Mud, silt, or s	Bare Soil vernent, Structures eck "P" if present, "C" if a masside plant cover degrees ks collapsed/eroded unk adjacent to the stream or sheen on bank sand in or entering the stage/junk in the stream	aded Financia Financi	Right C	TNV X RPV RPV	WWV V WWD (make note of wildlife deter List tes red-winged deer, raccool	NRPW NRPWW ISOLATE UPLAND TNWRPW rents such as bird wires) blackbirds, robins on
Livestock ir Activ	n bank (clippings, leaves or with unrestricted acc ely discharging pipes Other pipes thes entering stream			Managar San and San an	jh on bank, tributary fr	i, top of bank vegetated; wracking om north flows into WH East at nuddy to vertical with minimal Last Revised: 08/19

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