WETLAND DETERMINATION SUPPLEMENTAL FORM

					9/20/10
Project/Site: Chicago O'Hare International Airport (ORD)		City/	County: <u>DuPa</u>	ge/Cook	Sampling Date: 9 (26/19
Applicant/Owner. <u>city of chicago</u>		State	. 11111015		welland #: 0E11 173
Investigator(s): Brauna Hartzell, Kim Shannon, Mead & I	Hunt, Inc		Section	, Township, Range: _	
NWI classification:					
Are climatic hydrologic conditions on the site typical for the	is time of ye	ear? Yes _L	⊥ No ⊥⊥	(If no, explain in Rem	narks.)
Are Vegetation , Soil , or Hydrology , s			Avec	moun;	road constructi
Are Vegetation, Soil, or Hydrology r					
ADDITIONAL VEGETATION - Use scientific na	mes of p	lants			
	Absolute	Dominant	Indicator	General location	
Tree Stratum	% Cover	Species?	Status	To Douce	Do Ditch along
1.				100 24510	le dikh along heim (East stick
2.				W. Man	heim (Fusi sie
3.				Gn It. of	Boliveral
4.				3014000	1100000
5.			*		
		= Total Cov	/er	Other Notes	A
Sapling/Shrub Stratum				-Geoma	phei potru
1.				C	
2.				- HAEA	Sentral
3.				-100	mate
4.				Atgal	1 - 1
5.				- Grad	lentral nats leel Soils
		= Total Cov	/er	0,,,,,	prol Matrix
Herb Stratum	14		Charles	- Deale	ted MOTVIX
1. Solidago Severinas	X	1	FACW	pque	
2. Schoenopietus, paragus	1		OBL	250	
3. Symple of subulation	4		OBL		
4. Ahlochnetes aust als			Hew	4	
5. Echnoclora crys galli			FACW	,	
6. Bollogchoenus flutulis	· -		OBC		
7. Cyrerus esculutus			PHEW		
8.					
9.					
10.					
11.			1	2	
12.					9
Wood Vine Church une		= Total Cov	er		
Wood Vine Stratum 1.					
2.				1) -	
2.		= Total Cov	·or	17CS 12	:30-1pm
Remarks: (Include photo numbers here or on a separate		- 10tal C0V	ei	,	1
	,				
1) epress in					
15 - 15					

				Rocebolder for Con
WETLA	ND DETER	MINATION	I SUPPLEME	H.
Project/Site: Chicago O'Hare International Airport (ORD)	City/	County: <u>DuPa</u>	ge/Cook Sampling Date: 7125/19
Applicanty Owner: city or chicago			. <u>111111015</u>	Wetland #: 1446
Investigator(s): Brauna Hartzell, Kim Shannon, Conor	Makepeace,	Mead & Hu	int, Inc. Se	ection, Township, Range:
NWI classification:				
Are climatic hydrologic conditions on the site typical for the	nis time of ye	ear? Yes	No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology			Ewe	unliment construction
Are Vegetation, Soil, or Hydrology			,	
ADDITIONAL VEGETATION - Use scientific na	ames of p	lants		T
		Dominant		General location within wetland
Tree Stratum	% Cover	Species?	Status	- South of Taft Are+
1.				Tour Dak wood
2.		,		thought a
3.				-
4.		-	,	
5.				
		= Total Co	ver	Other Notes Deep water
Sapling/Shrub Stratum				- standle, wall
1.				- at bare of RR field - læge culvert
2.				- at bare of the
3.				10 minut
4.			3	- lage a ver
5.				under occess oood
		= Total Cov	/er	acces deces
Herb Stratum				for Day equipment
1. Phragmetis	X		FACW	to Nav. equipment
2. Lythrum Salesaren	X		034	- tunnel ander RR
3. Typera consentition			DBL	Turina and
4. Tunces torregei			FACU	+ Klass envises +
5.				to Nav. equipmet
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		= Total Cov	ver	
Wood Vine Stratum		10001000	٠.	
1.				
2.				
2.	-	= Total Cov	or	,
Remarks: (Include photo numbers here or on a separate		- Total Cov	Ci	
Remarks: (Include photo numbers here or on a separate				

WETLAN	ND DETER	MINATION	SUPPLEMEI	NTAL FORM
Project/Site: Chicago O'Hare International Airport (ORD)		Cib./	County: DuBa	ige/Cook Sampling Date: 9/25/19
Applicant/Owner: City of Chicago			:: <u>Illinois</u>	
Investigator(s): Brauna Hartzell, Kim Shannon, Conor I				
NWI classification: PSS	чакереасе,	Meau & Hu	III, IIIC. Se	ection, Township, Range:
Are climatic hydrologic conditions on the site typical for the	ia tima a af	V F		(The secondary is December)
Are Vegetation, Soil, or Hydrology			T 100 TT	(Ir no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology			DIST	uned by construction of
			Steel	verticed by construction of Vertuening wall
ADDITIONAL VEGETATION - Use scientific na	mes of p	lants	<i></i>	
	Absolute	Dominant	Indicator	General location within wetland
Tree Stratum	% Cover	Species?	Status	- old wetlend NEGS
1. SI/Ver mysle			FACW	- Wall aline
2. Pep. delfordes			FAC	- essentially splithy retaining wall
3. travinus Denn			PACW	Vetabuse wall
4.				1 to willing was
5.				1
		= Total Cov	/er	Other Notes
Sapling/Shrub Stratum				- against steel vetaining wall for run vood proport
1. Rhannus cutherfra			FAC	
2. Salix Interior (?)			1010	Wall for race of so of sin
3.				
4.				- Stordij wate
5.				1 -1 -1 -1 -1 -1 -1
J.		- Total Cox	10°	- piles of grave or
Herb Stratum		= Total Cov	/er	- piles of gravelond Soil at a mixed.
1. Lythram Salicaria	~		OBL	2011 2001
2. Ty sto avantifolis	1		OBL	- Ocomorphie porch - FAC Newfol
- / / / 0	X		PACW	
3. Eupetorum Sevaking	*		FIFEW	- Mayor
4. Corks Sp.				
5. Vitas ripavia				
6. Junces Stalleg in				
7.				*
8.				
9.				
10.				
11.				
12.				
		= Total Cov	er	
Wood Vine Stratum				
1.				
2.				
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate				

APPENDIX L L-407 NOVEMBER 2022

Stream Characterization	Date: 8/19/2019	Time: 11:00 AM Site:	ORD	County:	DuPage
Field ID: aream Ditch	Stream Name:	Bensenville	Ditch - section 1	_Investigators:	CBM
Weather in the past 24 hours:		3. Circle flow regime:	EPHEMERAL PERENNIAL	Water Appearan	nce: 10. Water Odor:
Storm (heavy rain)	Overcast	4 00	INTERMITTENT	clear	sewage
Rain (steady rain) X Showers (intermittent rain)	Clear/Sunny	Stream habitats present: X Pool(s)	Run(s)	X milky foam	
Showers (intermittent rain)		Riffles(s)	N/A	turbid	
1. a) Approximate depth of water in	stream:	5. Stream Velocity:	ines.	light b	
	6 inches	fast mode	ate X slow N/A		brown other:
N/A		1799/1001		oily sl	
b) Approximate width of water flo	w:	Nature of the particles in	the stream bottom:	orang	
- Inves	30 ft		NUMBER OF THE PARTY	green	
N/A c) Approximate width of stream:			None Little Some Most	other	
(from top of bank to		silt/clay/mud sand	<u> </u>	11 Presence of loc	gs or large woody debris in
top of bank)		gravel		stream:	gs of large woody debits in
		cobbles (2 - 10" diam.)	X		Occasional Plentiful
d) Approximate height of banks (cha		boulders (> 10" diam.)		5000000000	ENGLEPHOAPOLETSHAPER 1
0.5 to 2 ft		bedrock			
left 0.5 to 2 it righ	tt		y occurring organic material		ory that best describes the
-) 4		in stream:	T Ingresses		etation shades the stream:
e) Approximate depth of pool(s):		None X Occas	Unknown ional Plentiful	0% 25%	50% 100% X 75%
□ N/A	2 ft	INDITE _ X Occas	IoriaiFieritiidi		other - %
Plant Species Adjacent to stream (scient)	entific name):	8. Facing upstream, does th	is stream have tree cover		70
		for 50 feet on the:		13. Pick the descrip	ption that best fits the stream
Trees: Salix interior, Rhamnus	cathartica,	left sideno	right sideno_	bank and the chann	nel (facing upstream):
Alnus serrulata				THE SERVICE CONTRACTOR SERVICE	
		What is the % cover of tree		a) Stream bank:	
Understory:		left side 0	% right side <u>0</u> %	Left	Vertical/undercut Right
Lythrum salicaria, Dipsacus la	ciniatus	Facing upstream, does this	stream have shrith cover	X	Steeply sloping (>30°) X
Phragmites australis,		for 50 feet on the:	stream nave <u>smub</u> cover		radual/No slope (<30°)
Asclepias sp.		left side yes	right side yes		radiam to slope (100)
			5-0	b) Shape of the cha	annel:
		What is the % cover of shru		X Narrow, Deep	
44 5 7 7 7	CI LIBIL'S LIIG	25% 25%	Observer initials:	Narrow, Shal	
 Describe the streamside cover. Along the water's edge and stream 			16. Ordinary High Water	Mark Determination	<u>.</u>
Left	il ballk ollly (lacing upsi	Right	Check "P" if observed; C	heck "U" if used to de	etermine OH\AM
P C		P C	P U		
	Trees		Natura	line impressed on th	ie bank
	Bushes, Shrubs		Shelvir		COLUMN A MICHAEL MANAGEMENT
	all grasses, forbs	X X		es in the character of	
	maintained landscape			ction of terrestrial veg	
X X Boul	ders/Rocks/Rip Rap Gravel/Sand	X X	Wracki	ce of litter and debris	
	Bare Soil			ng tion matted down; be	ent or absent
Paveme	nt, Structures, Gabions			ent sorting	int, or absent
b) From the top of the streambank o				er disturbed or wash	ed away
Left		Right	Scour		
P C		P C	Deposi		
Х	Trees	Х		e observed flow event	ts
	Bushes, Shrubs	Х		d banks	
	all grasses, forbs	·		staining	
	maintained landscape Boulders/Rocks	x	X X Chang	e in plant community	
	Gravel/Sand	 	17. Waters Type		RPWNN
	Bare Soil		DELIN	EATE	NRPW
Pav	ement, Structures		TNW	N.D. SOCI	NRPWW
			TNWM		ISOLATE
15. In the vicinity of the stream, Che	ck "P" if present, "C" if c		X RPW		UPLAND
Left P C		Right P C	RPWM 18. Observed Fauna (m	AV ake note of wildlife deteren	TNWRPW
	mside plant cover degra		.s. observed admin time	List	no cara, ao ama minay
	s collapsed/eroded		Invertebrates		
	ink adjacent to the strea	m X	X Birds	great blue hero	on, barn swallow, redwing blackbird
	m or sheen on bank		Mammals		
	and in or entering the str	ream	Reptile/Amph	ians	
Garba	ge/junk in the stream		Fish	*	
	bank (clippings, leaves,		10. Additional Correspond	A	an had may flav. Flav. is
	or with unrestricted acce ely discharging pipes	822	19. Additional Comments		ap had more flow. Flow is orth side of property. Several
X X	Other pipes	хх			struction on east side.
	nes entering stream	x ^	enter stream from n	Dad on West and Cons	struction off east side.
Ditte	comig sacuali		Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-408 NOVEMBER 2022

Stream Characterization	Date: 8/30/2019	Time: 8:05am Site:	ORD	County:	Cook
Field ID: Stream Ditch	Stream Name:	Bensenville D	itch - Section 2	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	4-5 ft	IN IN IN IN IN IN IN IN		Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (che		silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	x	11. Presence of logs or stream:	large woody debris in
e) Approximate depth of pool(s):	t .	in stream: None X Occasio		12. Pick the category the extent to which vegetation 0% 25% X	on <u>shades</u> the stream: 50% 100% 75%
Plant Species Adjacent to stream (sci Trees: Populus delfoides	entific name):	Facing upstream, does this for 50 feet on the: left sideyes_ What is the % cover of trees is the way of the side	right side <u>yes</u>	Pick the description bank and the channel (fa) Stream bank:	that best fits the stream acing upstream):
Understory: Lythrum salicaria, Eupatorium Phragmites australis, Dipsacu Euthamia graminifolia		left side 2 % Facing upstream, does this str for 50 feet on the: left side yes What is the % cover of shrub:	right side2% eam have <u>shrub</u> cover right sideyes	Left Ve Steep X Gradui	
X X Lawn, X X Boul Paveme b) From the top of the streambank of Left P C X X Lawn, Lawn, Lawn, Lawn, Lawn, Lawn,	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil	1% 1% if common stream): Right P C X X X X X	Observer initials: 16. Ordinary High Water Check "P" if observed; C P U Natura Shelvir Chang Destru Presen Wracki Vegeta Sedim Leaf lit Scour X Deposi Multipl X X Bed an Water X X Chang 17. Waters Type	heck "U" if used to determ I line impressed on the bating ges in the character of soil ction of terrestrial vegetatic ce of litter and debris ng itton matted down; bent, of ant sorting ter disturbed or washed and tion e observed flow events d banks staining e in plant community	nk ion r absent
15. In the vicinity of the stream, Che Left P C Natural Strea Ban Garbage/ju Foa Mud, silt, or s Garba	Bare Soil vement, Structures	Right P C C C C C C C C C C C C C C C C C C	X TNW TNWM RPW RPWM	/D ake note of wildlife deterents sur List ducks, do	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		(740) 200	•	x culvert 12ft x 12ft at east be 96" culvert from north on Last Revised: 09/25

Stream Characterization	Date: 9/19/2019	Time: 2:40pm Sit	e: OR	.D	County:	Cook
Field ID: Stream Ditch	Stream Name:	Bensenvil	le Ditch - Section	3	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		3. Circle flow regime: 4. Stream habitats presen Pool(s) Riffles(s) 5. Stream Velocity: fast X mod 6. Nature of the particles	Run(s) X N/A derate slow	1:	B. Water Appearan X clear milky foamy turbid light b dark t oily s 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 (cha	nnel depth):	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	X	X	11. Presence of log	gs or large woody debris in Occasional Plentiful
e) Approximate depth of pool(s):		7. Presence of natur in stream:	rally occurring organicasional	Unknown Plentiful		ory that best describes the etation <u>shades</u> the stream: 50% X 75% other%
Plant Species Adjacent to stream (scie Rhamnus cathartica, Se Ulmus pumila		8. Facing upstream, does for 50 feet on the: left side <u>ye</u>	The Contract of the Contract o	<u>yes</u>		ption that best fits the stream nel (facing upstream):
Understory: Typha angustifolia, Lyth Solidago sempervirens	nrum salicaria	What is the % cover of <u>tr</u> left side <u>15</u> Facing upstream, does th for 50 feet on the: left side <u>no</u>	5_% right side is stream have <u>shru</u>	5%		Vertical/undercut Steeply sloping (>30°) radual/No slope (<30°) Zannel:
		What is the % cover of <u>st</u> 0	nrubs per side of the 0 Observer in		Narrow, Deep X Narrow, Shall	p Wide, Deep
X Tale Lawn, Bould Paveme b) From the top of the streambank of Left PC X X X Tale X X X Lawn, I Lawn,	m bank only (facing up 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 Boulders/Rocks Gravel/Sand	C* if common stream): Right P C X X X X	16. Ordina Check "P" P X X	ary High Water 'if observed; Cf U Natural Shelvin Change Destruc Presen Wrackir 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 s in the character of tion of terrestrial veg co flitter and debris ig ion matted down; bei nt sorting er disturbed or washe tion observed flow event d banks taining in plant community	n etermine OHVM e bank soil eteration int, or absent ed away ts
15. <u>In the vicinity of the stream</u> , Che Left	Bare Soil vernent, Structures ock "P" if present, "C" if	Right	x	DELINE TNW TNWW RPW RPWW	D	NRPW NRPWW ISOLATE UPLAND TNWRPW
Bank Garbage/ju Foar Mud, silt, or si Garba Yard waste on	umside plant cover degriks collapsed/eroded unk adjacent to the strem or sheen on bank and in or entering the sige/junk in the stream bank (clippings, leaver	am tream s, etc.)	X	Invertebrates Birds Mammals Reptile/Amphi Fish	45	ts such as bird wires) pers, butterflies
Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream	X	doub	rvoir; very short	9223	rk Rd; flows into Silver Creek Last Revised: 09/25

APPENDIX L L-410 NOVEMBER 2022

Stream Characterization	Date: 8/16/2019	Time: 11:45 AM Site:	ORD	County:	Cook
Field ID: stream Ditch	Stream Name:	Crystal Cr	reek Section 1	Investigators:	ВЈН, СВМ
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	unknown	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moder 6. Nature of the particles in can't see bottom	to none	9. Water Appearance:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	nnel depth):	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)		11. Presence of logs or stream: X None Occa	large woody debris in
e) Approximate depth of pool(s): X N/A	D. 10	7. Presence of naturally in stream: algae	# 1000000000	12. Pick the category th extent to which vegetation X 0% 25%	
Plant Species Adjacent to stream (sciences: N/A	entific name):	Facing upstream, does thi for 50 feet on the: left sideno_	s stream have <u>tree</u> cover	13. Pick the description bank and the channel (fa	that best fits the stream acing upstream):
Understory: Lythrum salicaria, Juncus dud vulpinoidea, Sagittaria latifolia Salix interior		What is the % cover of trees left side 0 Facing upstream, does this s for 50 feet on the: left sideyes_	% right side <u>0</u> %	Steep	rtical/undercut ly sloping (>30°) Il. Right X X
Describe the streamside cover. Along the water's edge and stream Left P C			bs per side of the stream? Observer initials: BJH 16. Ordinary High Water Check "P" if observed; Cl	Narrow, Deep Narrow, Shallow Mark Determination	Wide, Deep X Wide, Shallow
X X Lawn, Boul Paveme b) From the top of the streambank o	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions ut to 50 fee t:		Shelvin Change Destruc X Presen Wrackii Vegetat Sedime	es in the character of soil tion of terrestrial vegetation oe of litter and debris	on r absent
X X T X Lawn,	Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks	Right P C X X X X	Bed an Water s	observed flow events d banks	
15. In the vicinity of the stream, Che	Gravel/Sand Bare Soil vement, Structures ock "P" if present, "C" if o		17. Waters Type DELINE X TNW TNWW RPW		RPWNN NRPW NRPWW ISOLATE UPLAND
Banl X Garbage/jı Foai 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 uge/junk in the stream i bank (dippings, leaves	am X	18. Observed Fauna (ms Invertebrates Birds Mammals X Reptile/Amphi	ke note of wildlife deterents suc List	TNWRPW th as bird wires)
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		19. Additional Comments water very stagnant, double 60 inch culve		Last Revised: 09/25

APPENDIX L L-411 NOVEMBER 2022

Stream Characterization	Date: 7/16/2019	Time: Site:	ORD	County:	Cook
Field ID Stream Ditch	Stream Name:	Crystal Cree	k, Section 2	Investigators:	BJH, KAS
Weather in the past 24 hours: Storm (heavy rain)	Overcast Clear/Sunny stream: up to 6 inches		PERENNIAL ERMITTEN Run(s) N/A slow X N/A	9. Water Appearance: clear milky foamy X turbid light brow dark brow	n other:
b) Approximate width of water flo	ow: 18 ft	Nature of the particles in the Nor	stream bottom:	orange greenish other:	none
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	60 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream: X None Occ	large woody debris in
e) Approximate depth of pool(s):		bedrock 7. Presence of naturally or in stream: X None Occasion	ccurring organic material Unknown Plentiful	12. Pick the category the extent to which vegetation 0% X 25%	
X N/A 2. Plant Species Adjacent to stream (scie Trees:	entific name):	Facing upstream, does this s for 50 feet on the: left side	ream have <u>tree</u> cover	13. Pick the description bank and the channel (f	that best fits the stream
Salix interior, Cornus sericea, Understory: Typha angustifolia, Lythrum se	olicaria	What is the % cover of <u>trees</u> por left side%	right side%		rtical/undercut oly sloping (>30°) Right X
Sambucus canadensis, Vitis i		for 50 feet on the: left side No What is the % cover of shrubs	right side <u>No</u> per side of the stream?	b) Shape of the channe	al/No slope (<30°) al: Wide, Deep
X X Bould X Paveme b) From the top of the streambank of Left P C Table 1 Lawn, 1 Lawn, 1	m bank only (facing ups Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rock/Rip Rap Gravel/Sand Bare Soil	Right PC X X X X X X X X X X	P U Natural Shelvin Change Cha	Narrow, Shallow Mark Determination heck "U" if used to detern line impressed on the ba g ss in the character of soil tion of terrestrial vegetati ce of litter and debris g it on matted down; bent, o ant sorting er disturbed or washed an tion o observed flow events d banks staining e in plant community	Wide, Shallow X nine OHVM ink or absent
Bank X X Garbage/ju Foar Mud, silt, or s: X X Garba	ck "P" if present, "C" if our degrees collapsed/eroded unk adjacent to the streem or sheen on bank and in or entering the streem or sheen on bank and in or entering the streem or sheen on bank and in or entering the streem of bank (clippings, leaves).	Right P C aded X X tream X X	X RPW RPWM	Ake note of wildlife deterents such	UPLAND TNWRPW
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes nes entering stream		19. Additional Comments At west end fence c on east end via 18ft x 6ft b 2 small culverts enter at w Datasheet entered by:		

APPENDIX L L-412 NOVEMBER 2022

Stream Characterization	Date: 7/19/2019	Time: Sit	e: Oh	KD.	County:	Cook
Field ID Stream/Ditch	Stream Name:	Crystal	Creek, Section 3		Investigators:	BJH, KAS
Weather in the past 24 hours: X Storm (heavy rain) Rain (steady rain) Showers (intermittent rain)	Overcast	Circle flow regime: Stream habitats preser Pool(s)	Run(s)		9. Water Appearand clear milky foamy	sewage chlorine fishy
Approximate depth of water in	stream: up to 6"	Riffles(s) 5. Stream Velocity: fastmo	X N/A derate slow	X N/A	turbid light bi dark b	rown other:
X N/A b) Approximate width of water flo	ow:	6. Nature of the particles	in the stream bottor	m:	oily sh orange greeni	e none
N/A c) Approximate width of stream:		silt/clay/mud	None Little Som	e Most	other:	
(from top of bank to top of bank)	50 π	sand gravel cobbles (2 - 10" diam.)		х	stream:	s or large woody debris in Occasional Plentiful
d) Approximate height of banks (cha	20 B	boulders (> 10" diam.) bedrock 7 Presence of nature	xally occurring organ	ic material	12 Pick the categor	ry that best describes the
e) Approximate depth of pool(s):		in stream:	9	Unknown Plentiful		shades the stream: 50% 100%
X N/A		INUITEX_JOCI	asional		25%	other - %
Plant Species Adjacent to stream (scie Trees:		Facing upstream, does for 50 feet on the: left side No		r <u>ee</u> cover		otion that best fits the stream
Morus sp.			WO-323841154742550		TOUR OF THE STATE	a (lacing upsueam).
Understory:		What is the % cover of <u>tr</u> left side	% right side	%		Right Vertical/undercut
Phragmites australis, Typha a	ngustifolia,	Facing upstream, does th for 50 feet on the:	is stream have shn	<u>ub</u> cover		teeply sloping (>30°) X adual/No slope (<30°)
		left side Ye	s right side	_Yes_	b) Shape of the cha	
		What is the % cover of <u>sl</u>			Narrow, Deep	Wide, Deep
14. Describe the streamside cover.				nitials: KAS ary High Water	Narrow, Shalle Mark Determination	
 a) Along the water's edge and stream Left 	n bank only (facing upst	tream): Right	Check "P	" if observed; Cl	neck "U" if used to det	termine OHWM
P C	Trees	PC		U_	line impressed on the	
	Bushes, Shrubs	хх	 	Shelvin	g	
	all grasses, forbs maintained landscape		1 -	Destruc	es in the character of s tion of terrestrial vege	
X X Boul	ders/Rocks/Rip Rap Gravel/Sand	X X	X		ce of litter and debris	
V Payama	Bare Soil ent, Structures, Gabions		<u> </u>	Vegeta	ion matted down; ben nt sorting	nt, or absent
b) From the top of the streambank o			- I <u>-</u>	Leaf litt	er disturbed or washe	d away
Left P C		Right P C	X	Scour Deposit	ion	
XXX	Trees Bushes, Shrubs	X X			observed flow events d banks	s
T:	all grasses, forbs maintained landscape		X	X Water s	taining	
	Boulders/Rocks	хх			in plant community	
	Gravel/Sand Bare Soil		17. Waters	Type DELINE	ATE	RPWNN NRPW
Pav	vement, Structures	хх]	TNW	and the same of th	NRPWW
15. <u>In the vicinity of the stream,</u> Che Left	ck "P" if present, "C" if c	ommon:	X	RPWW	D	ISOLATE UPLAND TNWRPW
P C Natural Strea	amside plant cover degra	_ P _ C	18. Obs	erved Fauna (ma	ke note of wildlife deterent: List	s such as bird wires)
Bank	ks collapsed/eroded unk adjacent to the strea] [Invertebrates Birds	-	
Foar	m or sheen on bank			Mammals		
	and in or entering the str age/junk in the stream	ream X X	-	Reptile/Amphi Fish	ans	
Yard waste on	bank (clippings, leaves,	, etc.)			-	
	or with unrestricted acce ely discharging pipes	ess		nal Comments itches flow in at		3-1 connected at southeast end dominated; connected to
	Other pipes		segment 1	via box culverts		er Mannheim Rd via box culverts
X Ditch	hes entering stream	Х	to segmen	entered by:	KAS	Last Revised: 08/19

APPENDIX L L-413 NOVEMBER 2022

Stream Characterization	Date: 7/16/2019	Time: AM Site:	ORD	County:	Cook
Field ID Stream/Bitch	Stream Name:	Crystal Cree	k Section 4	Investigators:	BH, KS
Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain)	Overcast Clear/Sunny 4	4. Stream habitats present: Pool(s) Riffles(s)	PERENNIAL TERMITTENT Run(s) K N/A	clear milky foamy X turbid	sewage chlorine fishy rotten eggs
Approximate depth of water in N/A	up to 12 inches	5. Stream Velocity: fast moderate		light b dark b oily sh	orown other:
b) Approximate width of water flo	10-12 feet		ne Little Some Most	orang green other:	
c) Approximate width of stream: (from top of bank to top of bank)	70+ feet s	silt/clay/mud sand gravel cobbles (2 - 10" diam.)	X	stream:	s or large woody debris in Occasional Plentiful
d) Approximate height of banks (challent 30 feet right	30 feet b	poulders (> 10" diam.) pedrock 7. Presence of naturally of in stream:	ccurring organic material		ry that best describes the etation shades the stream:
e) Approximate depth of pool(s): X N/A	-	None Occasion	X Unknown Plentiful	0% 25%	50% X 100% 75% other%
Plant Species Adjacent to stream (sci Trees:		B. Facing upstream, does this of for 50 feet on the: left side	stream have <u>tree</u> cover		otion that best fits the stream el (facing upstream):
Acer negundo, Salix interior Rhamnus cathartica, Cornus serices	a V	What is the % cover of <u>trees</u> p	er side of the stream? right side <u>30</u> %	a) Stream bank: Left	Right
Understory: Typha angustifolia, Juncus nodosus Toxicodendron radicans, Scirpus		Facing upstream, does this stro for 50 feet on the: left side <u>Y</u>	eam have <u>shrub</u> cover	Gra	Vertical/undercut teeply sloping (>30°) Adual/No slope (<30°)
14. Describe the streamside cover.		What is the % cover of shrubs 50%	per side of the stream? Observer initials: ks 16. Ordinary High Wate	b) Shape of the cha Narrow, Deep Narrow, Shall r Mark Determination	o Wide, Deep low Wide, Shallow X
Along the water's edge and strea Left P C			Check "P" if observed; C		
Т	Trees Bushes, Shrubs all grasses, ferns	X X X	Shelvir Chang	es in the character of	soil
	maintained landscape Iders/Rocks/Rip Rap Gravel/Sand	хх	X X Preser		000000000
X Paveme b) From the top of the streambank of Left	Bare Soil ent, Structures, Gabions out to 50 fee t:	X	Sedim	ation matted down; ber ent sorting ter disturbed or washe	Service Servic
P C	Trees Bushes, Shrubs	P C X X	X X Depos Multipl	ition e observed flow event nd banks	s
Lawn,	all grasses, ferns maintained landscape Boulders/Rocks	X	X Chang	staining e in plant community	
Pa	Gravel/Sand Bare Soil vement, Structures		17. Waters Type DELIN TNW TNW	5	RPWNN NRPW NRPWW ISOLATE
15. <u>In the vicinity of the stream</u> , Che Left P C_	eck "P" if present, "C" if co	ommon: Right P C	X RPW RPW		UPLAND TNWRPW
Natural Strea Ban	amside plant cover degrac ks collapsed/eroded unk adjacent to the strean		X Invertebrates	List	· · · · · · · · · · · · · · · · · · ·
Foa Mud, silt, or s X X Garba	m or sheen on bank cand in or entering the stre age/junk in the stream	eam X X	Mammals Reptile/Ampl	nians	
Livestock in	n bank (clippings, leaves, or with unrestricted acce- rely discharging pipes		19. Addiitonal Comments 2 roadside ditches drain in		
Ditc	Other pipes hes entering stream	х	exits under I-294 via doub booms span stream near		filled/dominated with Typha; 2

APPENDIX L L-414 NOVEMBER 2022

Stream Characterization	Date: 8/23/2019	Time: 2:49 PM Site:	ORD	County:	Cook
Field ID: Stream Ortch	Stream Name:	Di	tch 1	Investigators:	BJH, KAS, 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	Overcast Clear/Sunny stream: 0-3 inches	4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fastmodera		9. Water Appearance: clear milky foamy turbid light brow dark brow oily sheer orange X greenish other:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	6 ft annel depth):	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs or stream: None X Occ	
left 8 inches righ e) Approximate depth of pool(s):	t 6 inches	bedrock 7. Presence of naturally in stream: None X Occasi	occurring organic material Unknown onal Plentiful	12. Pick the category thextent to which vegetation 0% X 25%	
Plant Species Adjacent to stream (sci Trees: Ailanthus altissima	Contractor Action with the Contractor	Facing upstream, does this for 50 feet on the: left sideyes_ What is the % cover of trees	right side <u>no</u>	13. Pick the description bank and the channel (t	that best fits the stream
Understory: Solidago sempervirens Poplar balsamifera		left side 80 % Facing upstream, does this s for 50 feet on the: left side yes	% right side <u>0</u> %	Left Ve	ertical/undercut bly sloping (>30°) al/No slope (<30°) X
Describe the streamside cover. Along the water's edge and streat	Check "P" if present, "C	What is the % cover of <u>shrut</u> 20% C" if common	Social Social Social State Property (September 2017)	b) Shape of the channe Narrow, Deep X Narrow, Shallow Mark Determination	el: Wide, Deep Wide, Shallow
Left P C X X X X Lawn, Boul Paveme b) From the top of the streambank of Left P C X X X X Lawn, Lawn, Lawn, Lawn, Lawn, Lawn, Lawn,	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	Right P C	Shelvin Chang Destru Presen Wracki Vegeta Sedim Leaf littl Scour Deposi Multiple X X Bed an X X Water X Change	line impressed on the bag g as in the character of soil ction of terrestrial vegetat ce of litter and debris ng tion matted down; bent, c ant sorting er disturbed or washed a tion e observed flow events d banks staining e in plant community	ink or absent way RPWNN
15. In the vicinity of the stream, Che Left PCXXX Natural Stree Bani X Garbagefi Foa Mud, silt, ors	Bare Soil vernent, Structures seck "P" if present, "C" if c amside plant cover degra ks collapsed/eroded unk adjacent to the stream or sheen on bank and in or entering the str age/junk in the stream	Right P C aded X	DELINI TNW TNWW X RPW RPWM	Dake note of wildlife deterents su List insects, butterflie	
Yard waste or Livestock in Activ	or with unrestricted acce or with unrestricted acce ely discharging pipes Other pipes hes entering stream	i, etc.)	19. Additional Comments large berm on left si	de; 30ft high	Last Revised: 09/25

APPENDIX L L-415 NOVEMBER 2022

Stream Characterization Date	e: 8/23/2019 Time:	Site:	ORD	County:	Cook
Field ID: Stream Ditch Stre	eam Name:	Ditch	2	Investigators:	BJH, CBM, KAS
Rain (steady rain) X Clea Showers (intermittent rain)	Poo	INTE	PERENNIAL RMITTENT Run(s) N/A	clear milky foam turbic	sewage chlorine fishy rotten eggs
Approximate depth of water in stream	m: 5. Stream \ 6 inches fast		slow X N/A	X dark	orown organic brown other:
b) Approximate width of water flow:	6. Nature o	of the particles in the s	ream bottom:	oily si orang greer	ge none
N/A c) Approximate width of stream:	3 ft silt/clay/mu		Little Some Most	other	
(from top of bank to top of bank)	25 ft sand gravel	_		11. Presence of log stream:	gs or large woody debris in
d) Approximate height of banks (channel de	cobbles (2	- 10" diam.) 10" diam.)	Х		Occasional Plentiful
left 8 ft right	8 ft bedrock 7. Pre	sence of naturally occ	urring organic material		ory that best describes the
e) Approximate depth of pool(s):	10000	tream:	Unknown	0%	etation shades the stream: 50% X 100%
□ X IN/A	No.	ne X Occasional	Plentiful	25%	75% other - %
Plant Species Adjacent to stream (scientific na	ame): 8. Facing u for 50 feet	pstream, does this stre	eam have <u>tree</u> cover	13. Pick the descri	ption that best fits the stream
Trees:	-	side <u>yes</u>	right side <u>yes</u>	bank and the chann	nel (facing upstream):
		% cover of <u>trees</u> per side <u>5</u> %	side of the stream? right side2_%	a) Stream bank:Left	Right
Understory: Phragmites australis		tream, does this stream	n have shrub cover		Vertical/undercut Steeply sloping (>30°) X
	for 50 feet o	side <u>no</u>	right side <u>no</u>	b) Shape of the ch	radual/No slope (<30°)
	What is the	% cover of shrubs p	er side of the stream? Observer initials:	X Narrow, Dee Narrow, Shal	p Wide, Deep
Describe the streamside cover. Checa Along the water's edge and stream bank		1	16. Ordinary High Water		
Left P C	k om y (lacing upstream).	Right P C	Check "P" if observed; C	heck "U" if used to de	etermine OHVMM
X	rees	X		line impressed on th	e bank
X X Tall gra	es, Shrubs sses, forbs	хх		es in the character of	
	ained landscape Rocks/Rip Rap	x		ction of terrestrial veg ce of litter and debris	
	/el/Sand re Soil		Wracki	ng tion matted down; be	ant or absent
Pavement, Str	ructures, Gabions		Sedime	ent sorting	
 b) From the top of the streambank out to 5 Left 	<u>60 fee t:</u>	Right	Leaf litt Scour	er disturbed or wash	ed away
РС	rees	PC	Deposi	tion e observed flow even	te
Bushe	es, Shrubs		X X Bed an	d banks	is
	sses, forbs ained landscape	X		staining in plant community	
Boulde	ers/Rocks			,	DDWAAN
	/el/Sand re Soil		17. Waters Type DELIN	EATE	RPWNN NRPW
X X Pavemen	nt, Structures	Х	TNW	via especial	NRPWW ISOLATE
15. In the vicinity of the stream, Check "P"	if present, "C" if common:		X RPW	3	UPLAND
Left P C		Right P C	RPWM 18. Observed Fauna (m	(D ake note of wildlife deteren	TNWRPW
X Natural Streamside	plant cover degraded	X		List	
	apsed/eroded ljacent to the stream	x	X Invertebrates Birds	insect	<u>\$</u>
Foam or s	heen on bank		Mammals	Victorial I	
	or entering the stream nk in the stream	x	Reptile/Amph Fish	ians	
Yard waste on bank	(clippings, leaves, etc.)		1000	*	
	h unrestricted access charging pipes	\vdash	 Additional Comments located between pa 	rking lots and related	roads
Othe	er pipes			No.	
Ditches en	ntering stream		Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-416 NOVEMBER 2022

Stream Characterization	Date: 8/12/2019 Time:	2:10pm Site:	ORD	County:	Cook
Field ID: Stream Ditch	Stream Name:	Ditch	3	Investigators:	ВЈН
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in N/A b) Approximate width of water flo	Overcast Clear/Sunny 4. Stream stream: 5. Strea 6 in. or less	m habitats present: Pool(s) Riffles(s) X m Velocity: fastmoderate re of the particles in the st	RMITTENT Run(s) N/A X slow N/A to stagnant tream 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 left 1-2 ft righ e) Approximate depth of pool(s):	silt/clay/ sand gravel cobbles boulders bedrock 7.		Little Some Most urring organic material X Unknown Plentiful	other: 11. Presence of logs or stream: X None Occa 12. Pick the category th extent to which vegetation X 0% 25%	asional Plentiful
X N/A 2. Plant Species Adjacent to stream (scie Trees: Salix interior	for 50 fe	g upstream, does this street on the: left side <u>no</u>	right side <u>no</u>	bank and the channel (fa	that best fits the stream
Understory: Phragmites australis, F	Persicaria sp., Facing u for 50 fe	the % cover of <u>trees</u> per eft side 0 % % % % % % % % % % % % % % % % % %	right side <u>0</u> % m have <u>shrub</u> cover right side <u>no</u>	X Steep	rtical/undercut rty sloping (>30°) X al/No slope (<30°) I: Wide, Deep Wide, Shallow
Display to the streambank of t	n bank only (facing upstream): 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 Boulders/Rocks	Right PC XXX Right PC XXX	P U Natural X X Shelvin Change Destruc X Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an Water s X X Change	heck "U" if used to determ line impressed on the bar g sa in the character of soil ction of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, or ant sorting er disturbed or washed av	nk on r absent way
15. In the vicinity of the stream, Che Left P C Natural Strea Bank Garbage/ju Foar Mud, silt, or si X Garba Yard waste on Livestock in Active	Gravel/Sand Bare Soil rement, Structures ck "P" if present, "C" if common: mside plant cover degraded cs collapsed/eroded ink adjacent to the stream nor sheen on bank and in or entering the stream gefjunk in the stream bank (clippings, leaves, etc.) or with unrestricted access ely discharging pipes Other pipes nes entering stream	Right P C	X Invertebrates Birds X Mammals Reptile/Amph Fish 19. Additional Comments flows east; riprap lin	List butterflies rabbit rabbit for most of extent; 2 cu funk at west end; constru	ulverts on either end

APPENDIX L L-417 NOVEMBER 2022

Stream Characterization	Date: 8/28/2019	Time: 1:30pm	Site:	OR	D	Cou	nty:		Ç	Cook	
Field ID: Stream Oitch	Stream Name:		Ditch	4		Inve	stigators:		(CBM, B	JH
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) Showers (intermittent rain)	Overcast Clear/Sunny	Circle flow regim Stream habitats Pool(s) Riffles(s)	present:	RMITTENT Run(s) N/A	PERENNIAL	9. W	X clear milky foamy turbid	y	10	. Water C seway chlorid fishy	ge
Approximate depth of water in	stream:	5. Stream Velocity:	moderate	x slow	N/A		light b	orown brown		organ other:	nic
N/A b) Approximate width of water flo	w:	6. Nature of the pa	articles in the st		ı:	ł	oily sl orang green	je i	none	none	
N/A c) Approximate width of stream: (from top of bank to	8 ft	silt/clay/mud sand	None	Little Some	Most X	11 0	other:	_	rae wood	dabrie ir	
top of bank) d) Approximate height of banks (cha	nnol donth):	gravel cobbles (2 - 10" dia boulders (> 10" dia	am.)				stream:		ional	Plenti	
left 25 ft right	25 B	bedrock 7. Presence o	of naturally occu	urring organi	c material	12. F	ick the catego	ory that	best desc	ribes the	ă
e) Approximate depth of pool(s):		in stream:	Occasional	х	Unknown Plentiful	exten	t to which veg 0% 25%		<u>shades</u> t 50% 75%		n:]100%
X N/A 2. Plant Species Adjacent to stream (scie	intific name);	8. Facing upstream	n, does this stre	am have tre	ee cover		100000000		other	%	
Trees:	terior de de como completo de altre de des	for 50 feet on the: left side	no	right side	no		ick the descrip and the chann				am
Contract to the contract to th		What is the % cove left side	er of <u>trees</u> per : 0_%	side of the st right side	ream? 0%	a) St Left	ream bank:	707.00	17 1		Right
Understory: Cyperus esculentus, Scirpus fi Echinochloa crus-galli, Persica		Facing upstream, of for 50 feet on the:	does this strean		<u>b</u> cover	Х		Steeply	:al/underc sloping (> No slope (30°)	Х
		left side	_no_	right side	_no_		ape of the ch				
		What is the % cove	erof <u>shrubs</u> pe	Observer in	itials:		Narrow, Deep Narrow, Shal	low		de, Deep , Shallow	
Describe the streamside cover. Along the water's edge and stream Left P C		stream):	Right C	\$6367 *E507400500	iry High Water if observed; C U				e OHVMM		
	Trees Bushes, Shrubs all grasses, forbs	×	х		Shelvir	g	pressed on the				
Lawn, r	maintained landscape ders/Rocks/Rip Rap Gravel/Sand				Destru	ction of ce of lit	terrestrial veg ter and debris	etation	j		
	Bare Soil nt, Structures, Gabions				Vegeta Sedime	tion ma ent sort		som toren			
b) From the top of the streambank of Left P C	ut to 50 fee t:	P	Right C		Scour Deposi		irbed or wash	ed awa	y		
	Trees Bushes, Shrubs all grasses, forbs		X		Multiple Bed an Water	d bank		ts			
Lawn, r	maintained landscape Boulders/Rocks			Х	X Chang		nt community				
Pav	Gravel/Sand Bare Soil rement, Structures			17. Waters	DELIN TNW				NF NF	PWNN RPW RPWW	
15. <u>In the vicinity of the stream,</u> Che-	ck "P" if present, "C" if o		Right		TNWM RPW RPWM				UF	OLATE PLAND IWRPW	
P C Natural Strea	mside plant cover degra	P	, c	18. Obse	rved Fauna (m Invertebrates	ake note	of wildlife deteren List	ts such a	as bird wires)		
Garbage/ju	nk adjacent to the strea n or sheen on bank	am			Birds Mammals						-
Garba	and in or entering the st ge/junk in the stream bank (clippings, leaves				Reptile/Amph Fish	ians					-
Livestock in Active	or with unrestricted acc ely discharging pipes	ess		19. Addition	nal Comments 48" culvert at	north a	nd south ends	s			
X Ditch	Other pipes nes entering stream	X		Datasheet	entered by:			Т	l act	Pavisad:	09/25

APPENDIX L L-418 NOVEMBER 2022

Stream Characterization	Date: 8/28/2019	Time: 2:00pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	6	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	12 ft	A Stream habitats present: Pool(s)	RMITTENT Run(s) N/A X slow N/A stream bottom: e 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 (che	annel depth):	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock	X	DECOMPOSADO DE DECOMPOSADO DE DECOMPOSADO DE COMPOSADO DE	asional Plentiful
e) Approximate depth of pool(s):		Presence of naturally oc in stream: None Occasiona Facing upstream does this stream.	Unknown X Plentiful	12. Pick the category the extent to which vegetation of the category the extent to which vegetation of the category the extent to which vegetation of the category the extent to which the category	on <u>shades</u> the stream: 50% 100%
Plant Species Adjacent to stream (sci Trees:	entific name):	Facing upstream, does this stream for 50 feet on the: left sideno_ What is the % cover of trees per	right side <u>no</u>	13. Pick the description bank and the channel (fa) Stream bank:	that best fits the stream acing upstream):
Understory: Echinochloa crus-galli, Typha Scirpus fluviatilis, Schoenople	angustifolia, ctus tabernamontane	left side 0 % Facing upstream, does this streator 50 feet on the: left side no What is the % cover of shrubs is the %	right side <u>0</u> % m have <u>shrub</u> cover right side <u>no</u>	Left Ve Steep X Gradu	
X X Lawn, Boul Paveme b) From the top of the streambank of Left P C T Lawn, Lawn, Boul	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil	Conficommon stream): Right PC XX X	Observer initials: 16. Ordinary High Water Check "P" if observed; Cl P U Natural Shelvin Change X Destruc Presen Wracki Vegeta Sedime Leaf iit Scour Deposi Multiple Bed an Waters X X Change	heck "U" if used to determ line impressed on the ba gs in the character of soil ction of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, o ent sorting er disturbed or washed and tion e observed flow events d banks staining e 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 wement, Structures ck "P" if present, "C" if c 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	Right P C aded am tream s, etc.)	DELINI TNW TNWW X RPW RPWW	D ake note of wildlife deterents such	NRPW NRPWW ISOLATE UPLAND TNWRPW th as bird wires)
Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream	X	19. Additional Comments Datasheet entered by:	drainage ditch	Last Revised: 09/25

APPENDIX L L-419 NOVEMBER 2022

Stream Characterization	Date: 9/26/2019	Time: 1:10pm S	ite:	ORD		County:		Cook
Field ID: Stream Oitch	Stream Name:		Ditch 7			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	3. Circle flow regime: 4. Stream habitats prese Pool(s) Riffles(s) 5. Stream Velocity: fastm 6. Nature of the particle	X N/A	slow cottom:	X N/A		y I orown brown heen ge nor	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	25 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)			X	11. Presence of lo		E POCINI I ANNO ENCINO INCLUSIONI CONTROL I C
left 3 ft right e) Approximate depth of pool(s) X N/A	10 ft	bedrock 7. Presence of nat in stream:	urally occurring o	_ 	naterial Inknown Plentiful	12. Pick the categorization to which veg X 0% 25%		nades the stream: % 100%
Plant Species Adjacent to stream (sci Trees:		8. Facing upstream, doe for 50 feet on the: left side <u> </u>	es this stream ha		no_	13. Pick the descri bank and the chann		
Understory: Typha angustifolia, Solidago Apocynum cannibinum, Scirp 14. Describe the streamside cover.	sempervirens, us fluviatilis	Facing upstream, does to for 50 feet on the: left side What is the % cover of 9	0 % right s this stream have no right s shrubs per side Obse	sideside side of the str	0 % cover no ream?		Steeply slo radual/No annel: p llow	windercut Right windercut X ping (>30°) X slope (<30°) Wide, Deep Wide, Shallow
X X Lawn, Bou	Trees Bushes, Shrubs 'all grasses, forbs maintained landscape Iders/Rocks/Rip Rap Gravel/Sand Bare Soil ant, Structures, Gabions out to 50 fee t: Trees Bushes, Shrubs 'all grasses, forbs maintained landscape Boulders/Rocks	Right P Right P Right P	x x c c	P	U Natural Shelving Change Destruct Presenc Wrackin Vegetati Sedimet Leaf litte Scour Depositi Multiple Bed and Water st X Change	is in the character of ition of terrestrial vegue of litter and debris g on matted down; be not sorting er disturbed or wash on observed flow even I banks	e bank soil getation ent, or abse	ent
X X Pa 15. In the vicinity of the stream, Che Left P C	Gravel/Sand Bare Soil vement, Structures eck "P" if present, "C" if co	Right		Aters Ty	DELINE TNW TNWW RPW RPWWI		to gush as h	RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW
Natural Stree Ban Garbage/j Foa Mud, silt, or s Garba	amside plant cover degra ks collapsed/eroded unk adjacent to the strear m or sheen on bank and in or entering the str age/junk in the stream n bank (clippings, leaves,	ded X X m eam		X Ir B W	nvertebrates iirds fammals Reptile/Amphi	List bees		mu m 63)
Livestock in Activ	or with unrestricted acce ely discharging pipes Other pipes hes entering stream				Comments outh but no outh but no outh	utlet		Last Revised: 09/25

APPENDIX L L-420 NOVEMBER 2022

Stream Characterization	Date: 9/26/2019	Time: 5:00pm Site:	ORD	County:	DuPage
Field ID: Stream Oitch	Stream Name:	Ditch	8	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	0-6 inches	A Stream habitats present: Pool(s)	RMITTENT Run(s) N/A slow x N/A tream bottom:	9. Water Appearance:	
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 X	11. Presence of logs or I stream: None X Occa	
e) Approximate depth of pool(s):		7. Presence of naturally occin stream: None	Unknown X Plentiful	12. Pick the category that extent to which vegetation 0% 25% X	
Plant Species Adjacent to stream (sci Rhamnus cathartica, Sci Populus deltoides	THE SAME THE SAME AND AND ADDRESS OF THE SAME ADDRESS OF THE SAME AND ADDRESS OF THE SAME AND ADDRESS	Facing upstream, does this str for 50 feet on the: left sideno_ What is the % cover of trees per	right sideyes_ side of the stream?	Pick the description to bank and the channel (fall) Stream bank:	
Understory: Typha angustifolia, Phragmite Solidago sempervirens	s australis,	left side <u>0</u> % Facing upstream, does this strea for 50 feet on the: left side <u>no</u>	right sideyes_	X Steeph Gradual b) Shape of the channel:	
X X Lawn, X Boul Paveme b) From the top of the streambank o Left P C T Lawn, Lawn, A Boul	m bank onl.y (facing ups Trees Bushes, Shrubs iall grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	Right PC XXX XX XX	Observer initials: 16. Ordinary High Water Check "P" if observed; Cl P U Natural Shelvin Chang Destruc Presen Wrackik Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an Water s X X Change	heck "U" if used to determine the ban ig as in the character of soil ction of ferrestrial vegetation of ferrestrial vegetation of the soil	k on absent
15. In the vicinity of the stream, Che Left P C Natural Stree Ban X Garbage/ju Foa Mud, silt, or s X X Garba	vement, Structures	Right P C aded X X X	TNW TNWW RPW RPWW	/D ake note of wildlife deterents such	NRPWW ISOLATE UPLAND TNWRPW
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream			mown on roadside; large pa er in some places.	atches of Phragmites with Last Revised: 09/25

APPENDIX L L-421 NOVEMBER 2022

Stream Characterization	Date: 8/28/2019	Time: 11:55 AM Site:	ORD	County:	Cook
Field ID: stream/Ditch	Stream Name:	Ditch	9	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	stream: 6 inches	INTE Pool(s) Riffles(s) X Stream Velocity: fast moderate Mature of the particles in the s	RMITTENT RUN(S) N/A X slow N/A tream bottom:	9. Water Appearance: X clear milky foamy turbid light browr dark browr oily sheen orange greenish other:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	45-50 π nnel depth):	sit/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of naturally occ	x	11. Presence of logs or stream: X None Occa	asional Plentiful
e) Approximate depth of pool(s):		in stream: None X Occasional 8. Facing upstream, does this str	Unknown Plentiful	extent to which vegetation 0% X 25%	
Plant Species Adjacent to stream (sci Trees:		for 50 feet on the: left side no What is the % cover of <u>trees</u> per	right sidenoside of the stream?	Pick the description bank and the channel (fa a) Stream bank:	acing upstream):
Understory: Typha angustifolia, Phragmite Schoenoplectus tabernaemor Eleocharis obtusa, Lythrum si	tane, alicaria	left side 0 % Facing upstream, does this streat for 50 feet on the: left side no What is the % cover of shrubs p 0 0	right sideno_ er side of the stream? Observer initials:	X Steep Gradua b) Shape of the channel Narrow, Deep Narrow, Shallow	tical/undercut Right
Differential Experiments of the Streambank of Left P C T X X X Lawn,	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/fip Rap Gravel/Sand Bare Soil nt, Structures, Gabions ut to 50 fee t: Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks	Right PC XXX	P U Natural Shelvin Change Destruc Presen X Wrackir Vegetat Sedime Leaf litt Scour X X Deposit Multiple X X Bed an Water s X X Change	neck "U" if used to determ line impressed on the bar g g sin the character of soil tion of terrestrial vegetatic ce of litter and debris ng tion matted down; bent, or nt sorting er disturbed or washed ave tion e observed flow events d banks	nk on absent vay
15. In the vicinity of the stream, Che Left P C Natural Strea Ban Garbage/ju Foa Mud, silt, or s Garba	Gravel/Sand Bare Soil vement, Structures ck "P" if present, "C" if c transide plant cover degra cs collapsed/eroded ink adjacent to the stream or sheen on bank and in or entering the st ge/junk in the stream bank (clippings, leaves	Right P C aded tream	17. Waters Type DELINE TNW TNWW X RPW RPWW 18. Observed Fauna (ms Invertebrates Birds Mammals Reptile/Amphi	D ske note of wildlife deterents such List mallards	RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW h as bird wires)
Livestock in Activ	or with unrestricted according pipes Other pipes nes entering stream		19. Additional Comments Datasheet entered by:		Last Revised: 09/25

APPENDIX L L-422 NOVEMBER 2022

Stream Characterization	Date: 7/15/2019	Time: AM Site:	ORD	County:	Cook
Field ID: Stream Ditor	Stream Name:	Ditch	10	_Investigators:	BJH, KAS
Weather in the past 24 hours:	-26		EMERAL PERENNIAL	Water Appearar	
Storm (heavy rain)	Overcast		RMITTENT	clear	
Rain (steady rain) X	Clear/Sunny	4. Stream habitats present:	7 . / .	milky	
Showers (intermittent rain)		Pool(s)	Run(s)	foam	
4 -> 4		Riffles(s) X	N/A stagnant	X turbic	
a) Approximate depth of water in	1 stream:	5. Stream Velocity: moderate	X slow N/A		brown organic other:
□N/A	up to 12 inches	fastmoderate	X SIOW L IVA		sheen none
b) Approximate width of water flo	W	6. Nature of the particles in the	tream bottom:	orang	
b) / pproximate triain of trater ne	20 10	1	acam boacom.	green	
□ N/A	6 feet	Non	Little Some Most	other	
c) Approximate width of stream:		silt/clay/mud	I I X		•
(from top of bank to	20 feet	sand		11. Presence of lo	gs or large woody debris in
top of bank)	∠u reet	gravel		stream:	200 200 200 200 200 200 200 200 200 200
		cobbles (2 - 10" diam.)		None X	Occasional Plentiful
d) Approximate height of banks (cha	annel depth):	boulders (> 10" diam.)			
. 12 feet	. 12 feet	bedrock			
left righ	ıt	7. Presence of naturally oc	urring organic material		ory that best describes the
-) 4	3	in stream:	T V United account		getation shades the stream:
e) Approximate depth of pool(s):	_	None Occasiona	X Unknown Plentiful	0% 25%	X 50% 100%
□ X □N/A		INONE Occasiona	Pientiful	25%	other - %
Plant Species Adjacent to stream (scient)	entific name):	8. Facing upstream, does this str	eam have tree cover		
2. I failt opecies Adjacent to stream (sch	entine traine /.	for 50 feet on the:	ediffiave <u>acc</u> cover	13 Pick the descri	iption that best fits the stream
Trees:		left side yes	right side yes		nel (facing upstream):
Populus deltoides, Rhamnus cathart	tica. Morus alba.	, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	g		is (isong aparamy)
Fraxinus pennsylvanica, Morus rubri		What is the % cover of trees per	side of the stream?	a) Stream bank:	
	500	left side 33 %	right side 33 %	Left	Right
Understory:		0.0000000000000000000000000000000000000	100 - ACCORDINATION A		Vertical/undercut
Typha angustifolia, Nepeta cataria, I		Facing upstream, does this strea	m have <u>shrub</u> cover		Steeply sloping (>30°) X
Dipsacus laciniatus, Dipsacus fullon		for 50 feet on the:		G	iradual/No slope (<30°)
Phragmites australis, Hordeum juba	tum, Vitis riparia	left side <u>yes</u>	right side <u>yes</u>		2778-0001-478
Phalaris arundinacea		What is the % cover of shrubs		b) Shape of the ch	
				Narrow, Dee X Narrow, Sha	
14. Describe the streamside cover.	Chack "D" if present "(O Observer initials: ks 16. Ordinary High Water		
Along the water's edge and stream			10. Orumany High Water	Wark Determinatio	11.
Left	in bank only (lacing up	Right	Check "P" if observed; Cl	heck "I I" if used to de	etermine OHVM
P C		P C	P II	neek o n asea to a	Sterrine Orlows
XXX	Trees	XX	Natural	line impressed on th	ne bank
	Bushes, Shrubs	хх	Shelvin		Secretary Control of C
	all grasses, forbs			es in the character of	
	maintained landscape			ction of terrestrial veg	
X X Boul	Iders/Rocks/Rip Rap	X X		ce of litter and debris	ŝ
	Gravel/Sand		Wracki		DENNING CONTROL CONTRO
	Bare Soil	<u> </u>		tion matted down; be	ent, or absent
	ent, Structures, Gabions	X .		ent sorting	/U/IP USD HAND
 b) From the top of the streambank of Left 	out to 50 fee t:	Dialet	Scour	er disturbed or wash	ed away
P C		Right P. C	X X Deposi	tion	
XXX	Trees	TX TX		observed flow even	nte.
	Bushes, Shrubs	$\frac{\hat{x} + \hat{x}}{\hat{x} + \hat{x}}$		d banks	
	all grasses, ferns	$\frac{\hat{x}}{\hat{x}}$	X Water s		
	maintained landscape			in plant community	
	Boulders/Rocks			- 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000	
	Gravel/Sand		17. Waters Type		RPWNN
	Bare Soil		DELINI	EATE	NRPW
Pav	vement, Structures		TNW		NRPVWV
ar market sugar and a second	I IIDII C		TNWW		ISOLATE
15. In the vicinity of the stream, Che	eck "P" if present, "C" if		X RPW	ID.	UPLAND TNWRPW
Left P C		Right P C	RPWW 18. Observed Fauna (ma		
	amside plant cover degr		10: Observed Faulta (in	List	its such as one wires)
	ks collapsed/eroded		X Invertebrates	_131	
	unk adjacent to the strea	am X X	X Birds		
	m or sheen on bank		Mammals		•
Mud, silt, or s	and in or entering the st	tream	Reptile/Amph	ians	
X Garba	age/junk in the stream	х	Fish		
Yard waste on	n bank (clippings, leaves	s, etc.)	18		
	or with unrestricted acc	cess	19. Addiitonal Comments		
Activ	ely discharging pipes				ous vegetation primarily which
	Other pipes				s northeast and then back g
Ditcl	hes entering stream				to culvert at Higgins Rd.
			Datasheet entered by:	KAS	Last Revised: 08/19

APPENDIX L L-423 NOVEMBER 2022

Stream Characterization	Date: 7/15/2019	Time: AM S	Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:		Ditch 11		_Investigators:	BJH, KAS
Weather in the past 24 hours: Storm (heavy rain) Rain (steady rain) X Showers (intermittent rain)	Overcast Clear/Sunny	Circle flow regime: Stream habitats pres Pool(s) Riffles(s)		TTENT n(s)	clear milky foam turbio	sewage chlorine lishy fishy rotten eggs
Approximate depth of water in N/A	stream:	5. Stream Velocity:	noderate	slow X N/A	dark	brown organic brown other: sheen X none
b) Approximate width of water flo	w:	6. Nature of the particl	es in the strear	n bottom:	orang greer	ge none nish X
N/A c) Approximate width of stream: (from top of bank to top of bank)	1 to 8ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.)	None Litt	tle Some Most	stream:	rs gs or large woody debris in Occasional Plentiful
d) Approximate height of banks (cha	nnel depth):	boulders (> 10" diam.) bedrock				,
e) Approximate depth of pool(s):	t 1-5 feet	7. Presence of na in stream:		g organic material Unknown Plentiful		ory that best describes the getation shades the stream: X 50%
X N/A 2. Plant Species Adjacent to stream (scie	entific name):	8. Facing upstream, do	es this stream	have <u>tree</u> cover		other%
Trees: Salix interior, Acer negu cathartica, Fraxinus pennsylve		for 50 feet on the: left side	no righ	ht side <u>no</u>		iption that best fits the stream nel (facing upstream):
Understory: Typha angustifolia, Dips Nepeta cataria,		What is the % cover of left side Facing upstream, does	% righ	ht side%	a) Stream bank: Left	Vertical/undercut Steeply sloping (>30°) X
перега сагапа,		for 50 feet on the:		ht side no	G	iradual/No slope (<30°)
		What is the % cover of		de of the stream?	b) Shape of the ch Narrow, Dee X Narrow, Sha	p Wide, Deep
Describe the streamside cover. Along the water's edge and streams.				Ordinary High Wate		
Left P C		Righ P	С	heck "P" if observed; C		ASSOCIATIVE STREET ASSOCIATION
	Trees Bushes, Shrubs	X	X	X Shelvir		000000000000000000000000000000000000000
Lawn,	all grasses, ferns maintained landscape ders/Rocks/Rip Rap	Х		X X Preser	es in the character of ction of terrestrial veg ice of litter and debris	getation
X	Gravel/Sand Bare Soil nt, Structures, Gabions	Х			ng ition matted down; be ent sorting	ent, or absent
b) From the top of the streambank of Left		Righ	nt	Leaf lit Scour	ter disturbed or wash	ed away
	Trees Bushes, Shrubs all grasses, forbs	Р X X X	C X X	X X Bed ar	ition e observed flow even rd banks staining	its
Lawn,	maintained landscape Boulders/Rocks			X X Chang	e in plant community	·
X	Gravel/Sand Bare Soil rement, Structures	Х	17 .	. Waters Type DELIN TNW		RPWNN NRPW NRPWW ISOLATE
15. <u>In the vicinity of the stream</u> , Che Left	ck "P" if present, "C" if o	ommon:	nt	X RPW		UPLAND TNWRPW
P C Natural Strea Bank X Garbage/ju	mside plant cover degra s collapsed/eroded ink adjacent to the strea	aded P	C 18.	Observed Fauna (m	ake note of wildlife deterer List	nts such as bird wires)
Mud, silt, or si X Garba	n or sheen on bank and in or entering the st ge/junk in the stream bank (clippings, leaves	Х		Mammals Reptile/Ampt	iians	
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes nes entering stream			Addiitonal Comments. Along the length of minated by cattails, to t		ion changed from being orbs/bare ground.
Ditter	res entering stream		Dat	tasheet entered by:	KAS	Last Revised: 08/19

APPENDIX L L-424 NOVEMBER 2022

Stream Characterization	Date: 8/29/2019	Time: 3:00	om Site:		OR	ر		Cou	nty:			Cook	
Field ID: Stream Oitch	Stream Name:		Dit	ch 12				Inve	stigators:			CBM,	ВЈН
Weather in the past 24 hours:	-0	3. Circle flow re		PHEME		PERE	NNIAL	9. Wa	ater Appearan			10. Wate	
Storm (heavy rain)	Overcast			NTERMI	TENT			ļ	X clear				wage
Rain (steady rain) X	Clear/Sunny	4. Stream habita	ats present:	Inco	(-X				milky				lorine
Showers (intermittent rain)		Pool(s) Riffles(s		X N/A					foam			fish	
a) Approximate depth of water in	ntroam:	5. Stream Veloc		X N/A				ł	turbic	orown			ten eggs ganic
1. a) Approximate depth of water in		fast		te C	slow	\Box	N/A			brown			ganic ner:
□ N/A	6"	lust	Intodere		3100	ш	1073		oily s			X no	
b) Approximate width of water flo	w:	6. Nature of the	particles in t	he strean	bottom			1	orang		none	7.	
2, 1 pp 3/milate trials 11 milate 11	2000 04		panasies in s			5			greer				
N/A	20 ft		1.	lone Litt	le Some	Most			other				
c) Approximate width of stream:		silt/clay/mud	Γ			х							
(from top of bank to	30-35 ft	sand						11. P	resence of log	gs or la	arge wo	ody debri	s in
top of bank)	00 00 K	gravel				ш			stream:	i .			
AND ADDRESS OF THE PROPERTY OF	errors services are	cobbles (2 - 10"	diam.)		4-	\sqcup		Х	None	Occas	sional	LPle	entiful
d) Approximate height of banks (char	nnel depth):	boulders (> 10" bedrock	diam.)		-	\vdash							
left 10 ft right	10 ft		e of naturally	- coourrin	. organi	rootori	al	12 0	ick the catego	on the	t boot d	lacaribac t	ho
leit light	1	in stream		occurring	gurgani	maten	ai		t to which veg				
e) Approximate depth of pool(s):		iii sueai				Unkno	M/D	exteri	lo%		50%	,3 the Stre	100%
c) / pproximate depair or poor(s).		None	Occasi	onal	×	Plentif			25%		75%		
X N/A		NOONE I							-mass		other -	%	
2. Plant Species Adjacent to stream (scien	ntific name):	8. Facing upstre	am, does thi	stream	nave <u>tre</u>	e cover	·						
perior appropriate a second outside earliest and a stock indications	ENGINEER SPECIAL SA	for 50 feet on th	e:		000000			13. P	ick the descri	ption t	hat best	t fits the s	tream
Trees:		left side	no	righ	t side	no		bank	and the chanr	nel (fac	ing ups	tream):	
					70-080000 TO-								
		What is the % c	over of trees	per side	of the st	ream?			ream bank:				
		left side	09	% righ	t side	0	%	Left	ř		12 1		Right
Understory: Typha angustifolia, Lythrum sa	tia-sia	Facing upstream			. obni	h		х	١,		cal/und		V
Alisma subcordatum	incaria,	for 50 feet on th		iream na	e <u>siliu</u>	Cover						g (>30°) be (<30°)	
Alisma subcordatum		left side		riah	t side	no] G	rauuaii	uno siot	Je (<30)	
		ion side		9.	· orac			b) Sh	ape of the ch	annel:			
		What is the % c	over of <u>shrul</u>	os per sic	e of the	stream	?		Narrow, Dee			Wide, De	ер
		0	0	Ob	server in	itials:			Narrow, Shal	llow	W	fide, Shall	ow
Describe the streamside cover.				16.	Ordina	ry High	Water	Mark I	Determinatio	n			
 a) Along the water's edge and stream 	n bank only (facing ups	tream):											
Left			Right	CI	reck "P"	if obser	rved; Ch	eck "U	I" if used to de	etermin	ne OHV	dM	
P C	+ 0000		P C		P	U		e					
	Trees Bushes, Shrubs	ŀ	_		-		Shelvin		pressed on th	ie bani	ĸ		
	all grasses, forbs	F	хх		-				e character of	soil			
	maintained landscape	ŀ	X X						terrestrial veg		n		
	ders/Rocks/Rip Rap	T I	Х						ter and debris				
	Gravel/Sand	Ī			Х		Wrackir	g					
	Bare Soil	[tted down; be	nt, or	absent		
	nt, Structures, Gabions	L					Sedime						
b) From the top of the streambank ou	ut to 50 fee t:				_			er distu	irbed or wash	ed awa	ay		
Left			Right		-		Scour						
PC	Trees	г	P C		-		Deposit		ved flow even	to			
	Bushes, Shrubs	ŀ	-	ı	х		Bed and						
	all grasses, forbs	ŀ	=	ı			Water s						
	maintained landscape	T I	хх		Х				nt community				
E	Boulders/Rocks												
	Gravel/Sand			17.	Waters							RPWNN	
	Bare Soil						DELINE	ATE				NRPW	
Pav	ement, Structures	L			-		TNW					NRPWW	
15. In the vicinity of the stream, Chec	ok "D" if propert "C" if a	ommon:			Х		TNWW RPW					ISOLATE UPLAND	
Left	ck F ii pieseiit, C ii c	John Million.	Right		<u> </u>		RPWW	ח				TNWRP	
P C			P C	18.	Obse				of wildlife deteren	its such	as bird w		
Natural Stream	mside plant cover degra	aded							List				
	s collapsed/eroded				X		ebrates		cricket	S			
	nk adjacent to the strea	ım [ı		Birds							
	n or sheen on bank		\perp	ı	-	Mamm							
	and in or entering the st	ream	\dashv	ı	-		e/Amphi	ans	-				
	ge/junk in the stream bank (clippings, leaves	etc)	-	ı		Fish							
	or with unrestricted acc		-	19	Addition	al Com	ments						
	ely discharging pipes	F	х	['".	, adition			culve	t entrances a	nd exit	s: multi	ple side c	ulverts
X	Other pipes	ŀ	x			· zibi ab	arount	Julyel	. Simulices a	CAIL	., muit	p.c side t	
	es entering stream	ŀ		ı									
	as sincing succin	L	- $ -$	_	ashoot o							ast Rovise	

Stream Characterization	Date: 7/19/2019	Time: Site:	ORD TAP	County:	Cook
Field ID: Stream Oftch	Stream Name:	Ditch 1	3 - section 1	_Investigators:	KAS BJH
Weather in the past 24 hours:	×.	3. Circle flow regime:	EPHEMERAL PERENNIAL	9. Water Appearance:	10. Water Odor:
Storm (heavy rain)	Overcast		INTERMITTEND	X clear	sewage
Rain (steady rain) X	Clear/Sunny	4. Stream habitats present:		milky	chlorine
Showers (intermittent rain)	_ Imenovement	X Pool(s)	Run(s)	foamy	fishy
- · · · · · · · · · · · · · · · · · · ·		Riffles(s)	N/A	turbid	rotten eggs
1. a) Approximate depth of water in	stream:	5. Stream Velocity:		light brov	
1. a) / pproximate depth of water in		fast mode	rate X slow N/A	dark brow	
□ N/A	up to 6"	iastiniode	ate A slow L IVA	X oily shee	
b) Approximate width of water flo		6. Nature of the particles in	the streets betters:		National Control of the Control of t
b) Approximate width of water lid	WY.	6. Nature of the particles in	the stream bottom.	orange	none
- Intra	8 to 36"		Ministration in the control	greenish	
N/A			None Little Some Most	X other iron	1
c) Approximate width of stream:	-	silt/clay/mud	X	and basement and a second	
(from top of bank to		sand			or large woody debris in
top of bank)	-	gravel		stream:	
		cobbles (2 - 10" diam.)		X None Oc	casional Plentiful
 d) Approximate height of banks (cha 	nnel depth):	boulders (> 10" diam.)			
2 ft	2 ft	bedrock			
left ^{∠π} right	tl ^{∠π} I	Presence of natural	y occurring organic material	12. Pick the category t	that best describes the
	-	in stream:			tion shades the stream:
e) Approximate depth of pool(s):		2501 600 600 700 700 700 700	Unknown	10%	50% 100%
/	52	None X Occa			75%
N/A	up to 8"				other - %
Plant Species Adjacent to stream (scient)	entific name):	8. Facing upstream, does th	is stream have tree cover	1	
z. i iai ii opecies Adjacerii to stream (scie		for 50 feet on the:	is su cam have <u>ti cc</u> cover	13 Dick the description	n that best fits the stream
T.0000			ataba atab		
Trees:		left side no	right side <u>no</u>	bank and the channel ((racing upstream):
				N. A. W. S.	
		What is the % cover of tree		a) Stream bank:	
A Alexandra Anna Anna Anna Anna Anna Anna Anna An		left side	% right side%	Left	Right
Understory:					ertical/undercut
Phragmites austrailis, Lythrum		Facing upstream, does this	stream have shrub cover		eply sloping (>30°) X
Alisma subcordatum, Sagittari	ia cuneata,	for 50 feet on the:		X Gradu	ual/No slope (<30°)
Schoenoplectus tabernaemon	tani, RCG	left side no	right side no		
Juncus dudleyii, J. nodosus,		1		b) Shape of the chann	el:
Scirpus cyperinus, Polygonum	spp.	What is the % cover of shr	<u>ubs</u> per side of the stream?	Narrow, Deep	Wide, Deep
Typha angustifolia			Observer initials: KS	X Narrow, Shallow	Wide, Shallow
Describe the streamside cover.	Check "P" if present, "C	" if common	16. Ordinary High Wate	r Mark Determination	_
a) Along the water's edge and stream	n bank only (facing ups	tream):			
Left	, , , , , , , , , , , , , , , , , , , ,	Right	Check "P" if observed: C	heck "U" if used to deter	mine OHVM
P C		P C	P II		
	Trees	<u> </u>	Natura	I line impressed on the ba	ank
	Bushes, Shrubs		Shelvii		
	all grasses, forbs	хх		es in the character of soil	E.
	maintained landscape	^ ^		ction of terrestrial vegetal	
				ice of litter and debris	don
Bouil	ders/Rocks/Rip Rap Gravel/Sand	├	Wrack		
	Bare Soil	<u> </u>			DOMESTICE.
				tion matted down; bent,	or absent
	nt, Structures, Gabions			ent sorting	
b) From the top of the streambank or	ut to 50 fee t:			ter disturbed or washed a	away
Left		Right	Scour		
P C		P C	Depos		
	Trees			e observed flow events	
	Bushes, Shrubs			nd banks	
	all grasses, forbs	X X		staining	
	maintained landscape		X X Chang	e in plant community	
	Boulders/Rocks				
	Gravel/Sand		17. Waters Type		RPWNN
	Bare Soil		DELIN	EATE	NRPW
Pav	ement, Structures		TNW	CONTRACTOR STORY	NRPWW
	STANDARD STANDARDS		TNW	<i>y</i>	ISOLATE
15. In the vicinity of the stream, Che	ck "P" if present. "C" if c	ommon:	RPW RPW		UPLAND
Left	and a substantial of the	Right	X RPWV	VD -	TNWRPW
P C		РČС	18. Observed Fauna (n	nake note of wildlife deterents su	
Natural Strea	mside plant cover degra	aded	-	List	
	s collapsed/eroded		Invertebrates		
	ink adjacent to the strea	m	Birds	*	
	n or sheen on bank	···	Mammals		
	and in or entering the str	ream H	Reptile/Ampl	niane	-0
	ge/junk in the stream		Fish		
	bank (clippings, leaves,	otc.)	L		
			10 Additi1 C		
	or with unrestricted acco	622	19. Additional Comments		
	ely discharging pipes	 		stockpile from 80s and h	
X	Other pipes	Х		ations; some with iron sh	
Ditch	nes entering stream			whether to delineate as	
			Datasheet entered by:	KAS	Last Revised: 08/19

Stream Characterization	Date: 7/16/2019	Time: AM Sit	:e:	ORI	ט	Cou	nty:		Cook
Field ID: stream Ditch	Stream Name:	Ditch	13 - sec	ction 2		Inve	stigators:		BJH, KAS
Weather in the past 24 hours:	-20	3. Circle flow regime:	EPHEN		PERENNIAL	9. W	ater Appearan	ice:	10. Water Odor:
Storm (heavy rain)	Overcast	05-000 N 0 × 0.0.000 00 10 × 0.000 00 00 € 0.0 × 0.000 00 00 00 00 00 00 00 00 00 00 00		MITTENT	E	200 1400	X clear		sewage
Rain (steady rain) X	Clear/Sunny	 Stream habitats preser 					milky		chlorine
Showers (intermittent rain)		Pool(s)		Run(s)			foam		fishy
		X Riffles(s)		N/A		1	turbic		rotten eggs
 a) Approximate depth of water in 	stream:	5. Stream Velocity:	-				light l	brown	organic
	up to 8"	fast mo	derate	X slow	N/A			brown	other:
N/A						1	oily s	heen	X none
 b) Approximate width of water flo 	w:	Nature of the particles	in the stre	eam bottom	:		orang		ione
-	8-10ft						greer		
N/A	O-TOIL		None	Little Some	Most		other	į.	
c) Approximate width of stream:	0	silt/clay/mud		Х					
(from top of bank to	60 to 80ft	sand				11. F	resence of lo	gs or lar	ge woody debris in
top of bank)	00 to 001t	gravel		Х			stream:		
		cobbles (2 - 10" diam.)		Х		Х	None	Occasio	onal Plentiful
d) Approximate height of banks (cha	nnel depth):	boulders (> 10" diam.)		Х					400 2 400 200 400 400
20 ft	40+ft	bedrock							
left 2011 right	t 40+11	Presence of natu	rally occur	rring organic	material	12. F	ick the catego	ory that I	best describes the
		in stream:				exten	t to which veg	etation	shades the stream:
e) Approximate depth of pool(s):		Sr.			Unknown		0%		50% 100%
	1- 101	None X Oc	casional		Plentiful		25%	7	75%
N/A	up to 12"				• H10.00.00.00.00.00.00.00			l o	other%
Plant Species Adjacent to stream (scient)	entific name):	8. Facing upstream, does	this strea	am have tre	e cover				
	5000 C C C C C C C C C C C C C C C C C C	for 50 feet on the:			020000000	13. F	ick the descri	ption tha	at best fits the stream
Trees:			0 1	right side	no				ng upstream):
		e-management (_			ALCOHOLD CO.			3 .
		What is the % cover of tr	ees per si	ide of the str	ream?	a) St	ream bank:		
		left side		right side	%	Left			Right
Understory:		isono in the second					1	Vertica	al/undercut
Dipsacus laciniatus,		Facing upstream, does th	is stream	have shrul	b cover	Х			sloping (>30°) X
		for 50 feet on the:				X			lo slope (<30°)
			0	right side	no		, –	· aaaaaa	10 slope (100)
		8100000000 N	-			b) Si	ape of the ch	annel:	
		What is the % cover of s	hrubs per	r side of the	stream?		Narrow, Dee		Wide, Deep
		0-			itials: KAS		Narrow, Shal		Wide, Shallow X
14. Describe the streamside cover.	Check "P" if present. "C	" if common			ry High Water				
a) Along the water's edge and stream					· ,g			2.59	
Left		Right		Check "P"	if observed; C	heck "l	l" if used to de	etermine	OHIAM
P C		P C		P	11	10000000	10 70.7171711570000		1 2016/200
	Trees		7 I		Natura	line im	pressed on th	e bank	
	Bushes, Shrubs		- 1		Shelvir				
	all grasses, forbs		- 1				e character of	soil	
	maintained landscape		- I				terrestrial veg		
	ders/Rocks/Rip Rap	хх	∃				ter and debris		
	Gravel/Sand	1.00	-	Х	X Wracki			3)	
	Bare Soil		- 1				tted down; be	ent. or ab	osent
Paveme	nt. Structures, Gabions		- 1			ent sort		2007	
b) From the top of the streambank or			_				irbed or wash	ed away	ř
Left		Right			Scour				3
P C		P (.		Deposi	tion			
	Trees	Γx T	7 I				ved flow even	its	
	Bushes, Shrubs		- I	Х	X Bed an			1000	
	all grasses, forbs		⊣	X	X Water				
	maintained landscape		- I				nt community		
	Boulders/Rocks	X X	⊟ I	-			and the second second		
	Gravel/Sand	 ' '		17. Waters	Type				RPWNN
	Bare Soil	 	⊣ I		DELIN	EATE		\Box	NRPW
Pax	ement, Structures	l x l	⊣ I		TNW	-1965		\Box	NRPWW
	,	Α	-		TNVV			\square	ISOLATE
15. In the vicinity of the stream, Che	ck "P" if present "C" if o	ommon.		Х	RPW/				UPLAND
Left	p	Right			RPWM	/D			TNWRPW
P C		P C	; F	18. Obse	rved Fauna (m	ake note	of wildlife deteren	nts such as	
X X Natural Strea	mside plant cover degra	aded X X			2		List		2
	s collapsed/eroded		⊣		Invertebrates				
	ink adjacent to the strea	ım H	⊣		Birds				
	n or sheen on bank	 	⊣		Mammals		-		
	and in or entering the st	ream	⊣		Reptile/Amph	ians			-
	ge/junk in the stream		⊣		Fish		-		
	bank (clippings, leaves	, etc.)	-	-					
	or with unrestricted acc		⊣ ⊦	19. Addiiton	al Comments		this system in	ncludes	a channelized and cobble
	ely discharging pipes					ort via			ss under RR tracks and
The state of the s	Other pipes	<u> </u>							sely vegetated and
X Ditch	nes entering stream	 			cobbled/armo				
Ditter	ies entering streatfi				ntered by:	eu pul	KV6	es near	Last Revised: 08/19

APPENDIX L L-427 NOVEMBER 2022

Stream Characterization	Date: 9/23/2019 Time: 8	8:30 AM Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch 1	4	Investigators:	CBM, BJH
Weather in the past 24 hours: X Storm (heavy rain) Rain (steady rain) Showers (intermittent rain) 1. a) Approximate depth of water in	Overcast 4. Stream Pr Pr Pr Pr Pr Pr Pr P	habitats present: col(s) ffles(s) Velocity: st X moderate	PERENNIAL RUITENT Run(s) N/A Slow N/A	9. Water Appearance: X clear milky foamy turbid light brow dark brow oily sheen	n other:
b) Approximate width of water flor N/A c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char	10 ft silt/clay/mi sand gravel cobbles (2 boulders (bedrock 15 ft 7. Pr	2 - 10" diam.) > 10" diam.) resence of naturally occu	Little Some Most X X	12. Pick the category th	asional Plentiful
e) Approximate depth of pool(s): X N/A 2. Plant Species Adjacent to stream (scientification)	X No	upstream, does this stre	Unknown Plentiful am have <u>tree</u> cover	extent to which vegetati 0% 25% X	50% 100%
Trees: Rhamnus cathatica, Sal. Populus deltoides Understory:	ix sp. lef	e % cover of <u>trees</u> per s ft side <u>30</u> %	right side <u>yes</u> side of the stream? right side <u>80</u> %	bank and the channel (f a) Stream bank: Left	
Solidago sempervirens, Dipsac Solidago sempervirens, Dipsac Phragmites australis, Typha ar	ngustifolia for 50 feet	ft side <u>yes</u> e % cover of <u>shrubs</u> pe	right sideyes_	X Steep	oly sloping (>30°) X al/No slope (<30°)
X X Bould Pavement	Trees Sushes, Shrubs Mil grasses, forbs maintained landscape ders/Rocks(Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions		16. Ordinary High Water Check "P" if observed; CI P U Natural Shelvin Change Destruc Presen X Wrackit X Vegetat Sedime Leaf litt Scour Deposit Multiple X X Bed an Vater s X Change 17. Waters Type DELINE TNW	Mark Determination neck "U" if used to determ line impressed on the ba g ss in the character of soil tition of terrestrial vegetati ce of litter and debris rg tion matted down; bent, o nt sorting er disturbed or washed an tion to observed flow events d banks staining in plant community	nine OHVM nk on r absent way RPWNN NRPW NRPW NRPWW
Bank Garbage/ju Foan Mud, sit, or se X Garbag Yard waste on Livestock in Active	ck "P" if present, "C" if common: mside plant cover degraded s collapsed/eroded nk adjacent to the stream n or sheen on bank und in or entering the stream ge/junk in the stream bank (clippings, leaves, etc.) or with unrestricted access ly discharging pipes Other pipes es entering stream	Right P C	X Invertebrates Birds Mammals Reptile/Amphi Fish 19. Additional Comments heavy rain night befi	D List dragonflies, butterlians surprise flowing water ditch; large box culvert at	flies

APPENDIX L L-428 NOVEMBER 2022

Stream Characterization	Date: 9/23/2019	Time: 8:55am Site	e:	ORD	County:		Cook
Field ID: Stream/Ortch	Stream Name:	1	Ditch 15		_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 flor	Overcast Clear/Sunny stream:	4. Stream habitats present Pool(s) Riffles(s) 5. Stream Velocity:	Run(s) X N/A	slow X N/A	clea milk foar X turb ligh dart oily	ar ky my bid t brown k brown sheen nge nnon enish	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 10 ft right e) Approximate depth of pool(s):	40 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of nature in stream:		X	11. Presence of l	ogs or large Occasional gory that bese electric show the second show the sec	el Plentiful st describes the addes the stream: 6 100%
X N/A 2. Plant Species Adjacent to stream (scie Trees: Understory: Typha angustifolia, Schoenopl Phragmites ausralis, Andropos	ectus fluviatilis,	8. Facing upstream, does to for 50 feet on the:	right si <u>es</u> per side of the mes per side of the right si	de <u>no</u> he stream? de <u>0</u> % shrub cover	bank and the cha		post fits the stream upstream): Right indercut poing (>30°) X
X X Lawn, r Bould Pavemen b) From the top of the streambank ou Left P C Ta Ta Lawn, r	Check "P" if present, "C n bank only (facing upst Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions	What is the % cover of <u>sh</u>	rubs per side o Observ 16. Or Checi	of the stream? ver initials: rdinary High Wat k "P" if observed; P U Natuu Shel Char Dests Press Wrac Vege Sedir Leaf Scou Depc Multi	ges in the character of uction of terrestrial vonce of litter and debuking tation matted down; benet sorting itter disturbed or was	ep allow on determine Old the bank of soil agetation is pent, or absended away	
15. In the vicinity of the stream, Cher Left P C Natural Stream Bank Garbage/ju Foan Mud, silt, or se Garba Yard waste on Livestock in Active	Bare Soil ement, Structures	Right P C ded m eam etc.)	18. (DELI TNW RPW RPW Observed Fauna X Invertebrate Birds Mammals Reptile/Amj Fish ditional Comment	WD make note of wildlife deter is butter bhians storm; 12" culvert near	flies	NRPW NRPWW ISOLATE UPLAND TNWRPW
10000000			Datash	neet entered by:			Last Revised: 09/25

Stream Characterization	Date: 9/25/2019	Time: 9:45am	Site:	OF	(D	Cou	nty:			Cook	
Field ID: Stream Oitch	Stream Name:		Ditch 1	6		Inve	stigators: .			CBM, E	3ЈН
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: 3" to 1ft	3. Circle flow regime: 4. Stream habitats pre Pool(s) Riffles(s) 5. Stream Velocity: fast 6. Nature of the partic	NTER sent: X moderate les in the str	RMITTENT RMITTENT RMITTENT N/A slow ream bottor Little Som	n:	AL 9. W	ater Appearan X clear milky foamy turbid light b dark b oily st orang green other:	y I prown prown heen ge nish	none	10. Water sew chlo fishy rotte orga othe X	rage orine y en eggs anic er:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char left 10 ft right e) Approximate depth of pool(s):	40 π	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of ni in stream:		Х	X	X 12. F	Presence of log stream:	Occasory tha etation	t best de shade: 50%	Pler escribes the street X	ntiful e
X N/A 2. Plant Species Adjacent to stream (scient Trees: Understory:		8. Facing upstream, do for 50 feet on the: left side What is the % cover of left side	no f <u>trees</u> per s 0 %	right side side of the s right side	<u>no</u> tream? <u>0</u> %	bank	ick the descrip and the chann ream bank:	nel (fac		ream):	Right
Phragmities australis, Solidago		Facing upstream, does for 50 feet on the: left side _ What is the % cover of	no	right side or side of the Observer i	no e stream? nitials:	Х	Gr nape of the cha Narrow, Deep Narrow, Shal	raduali annel: p low	1		X
X X Lawn, n Bould Pavemen b) From the top of the streambank ou Left P C X X Ta Lawn, n Bould	Trees Sushes, Shrubs Ill grasses, forbs naintained landscape lers/Rocks/Rip Rap Gravel/Sand Bare Soil It, Structures, Gabions It to 50 fee t: Trees Sushes, Shrubs Ill grasses, forbs Sudders/Rocks		X	Check "P	"if observed U Natu She	; Check "U ural line im lying nges in th truction of sence of lit cking etation ma iment sort f litter distu ur osition iple obser and bank er staining	urbed or washe wed flow event s	etermir e banl soil getation ant, or a	k n absent ay		
15. In the vicinity of the stream, Check Left P C Natural Stream Bank Garbage/jul Foam Mud, silt, or sa X Garbag	mside plant cover degra s collapsed/eroded nk adjacent to the strea no sheen on bank not in or entering the str ge/junk in the stream	Rig P aded m ream	ht C	17. Waters	DEL TNV TNV RPV RPV	WV V WWD (make note	of wildlife deteren List	X Its such	1 1 1 -	RPWNN NRPW NRPWW SOLATE JPLAND TNWRPW es)	<u> </u>
Yard waste on Livestock in a X Active	bank (clippings, leaves or with unrestricted acco ly discharging pipes Other pipes es entering stream	, etc.)		Phra	nal Commer		for Ditch 13V	v	La	st Revise	d: 09/25

Stream Characterization Date. 9/25/	2019 IIIIe. 6.30aiii 3	nte.	OND	County:		COUR
Field ID: Stream Oitch Stream Name		Ditch 17		Investigators:		СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain)	Circle flow regime: Stream habitats presi	EPHEMERAI INTERMITTE	PERENNIAL	9. Water Appearar clear milky		10. Water Odor: sewage chlorine
Showers (intermittent rain)	Pool(s)	Run(s)		foam		fishy
1	Riffles(s)	X N/A		turbio		rotten eggs
a) Approximate depth of water in stream:	5. Stream Velocity:			light I	brown	organic
THE THE CHARLEST AND THE PROPERTY OF THE PROPE		oderate	slow X N/A		brown	other:
N/A 1 ft	1997.327	and the second s	000 ACCO. CONTROL CONT		heen	X none
b) Approximate width of water flow:	Nature of the particle	es in the stream bo	ottom:	orang	ge none	
10 ft				greer		
N/A		None Little		other	8	
c) Approximate width of stream:	silt/clay/mud		X			
(from top of bank to	sand			11. Presence of lo	gs or large wo	oody debris in
top of bank)	gravel			stream:	1	
AN ACCOUNT OF THE PROPERTY OF	cobbles (2 - 10" diam.)			X None	Occasional	Plentiful
d) Approximate height of banks (channel depth):	boulders (> 10" diam.) bedrock					
left 8 ft right 20 ft		turally occurring or	rannia restorial	12. Pick the catego	on, that boot e	describes the
ieitiigitt_	in stream:	turally occurring of	game material	extent to which veg	netation chad	esthe stream:
e) Approximate depth of pool(s):	in sueam.	Ī	Unknown	0%	50%	X 100%
c) / pproximate depth of poor(s).	None O	crasional	X Plentiful	25%	75%	X 100%
X N/A		L	X I lentina		other -	- %
Plant Species Adjacent to stream (scientific name):	8. Facing upstream, doe	es this stream hav	e tree cover			
	for 50 feet on the:		1911,000	13. Pick the descri	ption that bes	at fits the stream
Trees:	Decoration of the Control of the Con	no right si	de no	bank and the chann		
3300 (320)			HOLDON W. CONT.			Edit States Ave. Co.
	What is the % cover of	trees per side of t	he stream?	a) Stream bank:		
	left side	0 % right si	de0_%	Left		Right
Understory:					Vertical/unc	dercut
Phragmites australis, Solidago sempervirens,	Facing upstream, does	this stream have	shrub cover		Steeply slopin	
Dipsacus laciniatus	for 50 feet on the:			X G	radual/No slo	pe (<30°)
	left side	no right si	de <u>no</u>		TT-76-123-124	
	What is the % cover of	abrubaid	.f. 4h =tu = 2	b) Shape of the ch		
	Villat is the % cover of	Obser	ver initials:	Narrow, Dee X Narrow, Sha	p llour 14	Wide, Deep Vide, Shallow
14. Describe the streamside cover. Check "P" if prese	ent "C" if common			Mark Determinatio		Jide, Shallow
Along the water's edge and stream bank only (facing).		10. 0	umary mgn water	Mark Determinatio		
Left	Righ	t Chec	k "P" if observed: Cl	heck "U" if used to de	etermine OHV	AM/
P C		c once	P U	neek o n asea to a	sterrime erro	ww
Trees			Natural	line impressed on th	ie bank	
Bushes, Shrubs			Shelvin			
X X Tall grasses, forbs	х	X	Change	es in the character of	soil	
Lawn, maintained landsc				ction of terrestrial veg		
Boulders/Rocks/Rip Ra	p			ce of litter and debris	3	
Gravel/Sand			Wracki			
Bare Soil				tion matted down; be	ent, or absent	
Pavement, Structures, Ga	oions			ent sorting		
b) From the top of the streambank out to 50 fee t:		.		er disturbed or wash	ed away	
Left	_Righ		Scour			
P C	Р	<u>c</u>	Deposi			
Trees Bushes, Shrubs				e observed flow even d banks	ıs	
				d banks staining		
X X Tall grasses, forbs Lawn, maintained landsc	ane H			staining e in plant community		
Boulders/Rocks	L H	_ '	A A Change	e in plant community		
Gravel/Sand	 	17. \N/s	aters Type			RPWNN
Bare Soil		─ I````ï	X DELINI	FATE		NRPW
Pavement, Structures	x	x I I	TNW			NRPWW
			TNWW			ISOLATE
15. In the vicinity of the stream, Check "P" if present, "	C" if common:		RPW			UPLAND
Left	Righ	t [RPWW			TNWRPW
P C	P	C 18.	Observed Fauna (m	ake note of wildlife deterer	nts such as bird w	vires)
Natural Streamside plant cover				List		
Banks collapsed/erode		_	Invertebrates			
X Garbage/junk adjacent to the		_	Birds	*		
Foam or sheen on ban		→	Mammals	roman H		
Mud, silt, or sand in or entering			Reptile/Amph	ians		
Garbage/junk in the stre		— I հ	Fish			
Yard waste on bank (clippings, le		10.41	ditional Comments			
Livestock in or with unrestricte X Actively discharging pip				ckpile; Phragmites fil	lled	
Other pipes	•• ^ 					O" autorto
Ditches entering stream	<u> </u>		culverts present; 30 drain into feature	at south end flows i	mo anen, ∠ 12	2 cuivents
Ditches entering stream			neet entered by:			ast Revised: 09/25
		Datasi	reet entered by.			LUGI INEVISEU. USIZU

APPENDIX L L-431 NOVEMBER 2022

Stream Characterization	Date: 9/25/2019	Time: 8:00am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch 1	18	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	1-4 ft	NTE	RMERAL PERENNIAL RMITTENT Run(s) N/A slow N/A ream bottom: Little Some Most	Water Appearance: X clear milky foamy turbid light browr dark browr oily sheen orange greenish other:	n other:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (cha	19001900000	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X X X	11. Presence of logs or stream: X None Occa	large woody debris in
e) Approximate depth of pool(s):		Presence of naturally occi in stream: None X Occasional	Unknown Plentiful	12. Pick the category the extent to which vegetation 0% 25% X	on <u>shades</u> the stream: 50% 100%
Plant Species Adjacent to stream (sci Trees: Populus deltoides, Ulm Rhamnus cathartica	THE SAME THE SAME AND AND ADDRESS OF THE SAME ADDRESS OF THE SAME AND ADDRESS OF THE SAME AND ADDRESS	Facing upstream, does this stre for 50 feet on the: left sideyes_ What is the % cover of <u>trees</u> per	right sideyes_	13. Pick the description bank and the channel (fa	
Understory: Symphyotrichum Solidago sempervires, Vitis rij Phalaris arundinacea, Cirsiun	paria,	left side 30 % Facing upstream, does this stream for 50 feet on the: left side yes	right side 10 %	Left Ver	rtical/undercut ly sloping (>30°) Il/No slope (<30°)
14. Describe the streamside cover. a) Along the water's edge and stream Left		stream): Right	Observer initials: 16. Ordinary High Water Check "P" if observed; Ch	Narrow, Deep X Narrow, Shallow Mark Determination	Wide, Deep Wide, Shallow
D) From the top of the streambank o	Trees Bushes, Shrubs all 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 X X X X X X X X X X X X X	Shelvin Change Destruc X Presen X X Wrackir X Vegetat Sedime	is in the character of soil tion of terrestrial vegetation ce of litter and debris ig ion matted down; bent, or nt sorting er disturbed or washed av	on r absent
X X T	Trees Bushes, Shrubs all grasses, forbs maintained landscape Boulders/Rocks	X X	X X Bed and Water s X X Change	observed flow events d banks	
Par 15. In the vicinity of the stream, Che Left	Gravel/Sand Bare Soil vement, Structures eck "P" if present, "C" if o	common:	17. Waters Type DELINE TNW TNWW X RPW RPWW		RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW
P C Natural Stree X Ban X Garbage/ju 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 n bank (clippings, leaves	aded P C		ike note of wildlife deterents such List butterflies	
Livestock in Activ	or with unrestricted acc ely discharging pipes Other pipes hes entering stream			to ditch 13 on west side d via large box culvert	Last Revised: 09/25

APPENDIX L L-432 NOVEMBER 2022

Stream Characterization	Date: 9/18/2019	Time: 10:15 AM 5	Site:	ORD)	County:		Cook
Field ID: Stream Oitch	Stream Name:		Ditch 19	4		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 i X N/A b) Approximate width of water fl	9	3. Circle flow regime: 4. Stream habitats pres Pool(s) Riffles(s) 5. Stream Velocity: fast 6. Nature of the particle	X N/A	s) slow [bottom:	X N/A	dark	y d d brown brown heen ge no	10. Water Odor:
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (ch	12 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X		X	11. Presence of lo	gs or larg	e woody debris in
e) Approximate depth of pool(s)	07.0	in stream:	aturally occurring		material Unknown Plentiful	12. Pick the categ extent to which veg 0% 25%	etation <u>s</u> 50 75	
Plant Species Adjacent to stream (sc Trees: Acer negundo, Robinia		8. Facing upstream, do for 50 feet on the: left side	es this stream h		e cover yes	13. Pick the descri bank and the chan		t best fits the stream g upstream):
Understory: Vitis riparia	pseudoacacia	Facing upstream, does for 50 feet on the:	100 % right this stream have	side shrub	100 %	G	Steeply sl radual/No	Nundercut oping (>30°) X b slope (<30°)
		What is the % cover of 50%		of the server init		b) Shape of the ch X Narrow, Dee Narrow, Sha	р	Wide, Deep Wide, Shallow
Lawn, Bou X X Pavem b) From the top of the streambank of Left P C X X X X X X	m bank only (facing ups Trees Bushes, Shrubs fall grasses, forbs maintained landscape Iders/Rocks/Rip Rap Gravel/Sand Bare Soil But to 50 fee t: Trees Bushes, Shrubs fall grasses, forbs maintained landscape Boulders/Rock's Gravel/Sand	Fifcommon tream): Rigil P X X X X	The state of the s	Ordinan	y High Water f observed; Ch U Natural Shelving Change Destruc Presenc Wrackin Vegetat Sedime Leaf litte Scour Deposit Multiple Bed and Water s Change	Mark Determination to the comment of	n etermine of the bank fisoil getation s ent, or absect away	OHVM sent RPWNN
15. <u>In the vicinity of the stream</u> , Ch	Bare Soil Ivement, Structures eck "P" if present, "C" if c	Righ		X	DELINE TNW TNWW RPW RPWWI	D		NRPW NRPWW ISOLATE UPLAND TNWRPW
	amside plant cover degra iks collapsed/eroded unk adjacent to the strea im or sheen on bank sand in or entering the stream o bank (clippings, leaves	ream X	C 18.	X	Invertebrates Birds Mammals Reptile/Amphi Fish	ke note of wildlife deterei List mosquii ans		oira wires)
Livestock ir Activ	or with unrestricted according to the control of th			Short,	al Comments deep ditch cut ntered by:	t into hillside enterin	g Willow (Creek. Last Revised: 09/25

APPENDIX L L-433 NOVEMBER 2022

Field ID: Stream Oitch	Stream Name:	Ditch	20	I	
		A	20	_Investigators:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain)		4. Stream habitats present: Pool(s) Riffles(s) 5. Stream Velocity: fast moderate 6. Nature of the particles in the	RUN(S) N/A slow X N/A stream bottom: e Little Some Most	9. Water Appearance:	sewage chlorine fishy rotten eggs organic other: en
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (chan	6 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.)	X	11. Presence of logs of stream: None X Oc	or large woody debris in
left 2 ft right e) Approximate depth of pool(s):	2 ft	bedrock 7. Presence of naturally oc in stream: None Occasiona	Unknown		that best describes the stream: 50% 100% 75% other - %
Plant Species Adjacent to stream (scient Trees: Salix nigra, Populus delta Rhamnus cathartica	SECTION SECTIO	Facing upstream, does this st for 50 feet on the: left sideno	right side <u>no</u>	bank and the channel	on that best fits the stream
Understory: Echinochloa crus-galli, Persica Taraxacum officinale, turf grass	ria sp., ses	What is the % cover of <u>trees</u> pe left side <u>0</u> % Facing upstream, does this streat for 50 feet on the:	right side0_%	X Stee	/ertical/undercut eply sloping (>30°) ual/No slope (<30°) X
Describe the streamside cover. (Along the water's edge and stream		What is the % cover of <u>shrubs</u> ; 0 C" if common	5-04 - 101-101.000 (101-101-101-101-101-101-101-101-101-101	b) Shape of the chann Narrow, Deep X Narrow, Shallow Mark Determination	Wide, Deep
Left P C X X X B Ta X X Lawn, n Bould Pavemen b) From the top of the streambank ou Left P C X X B Ta X X Lawn, n Lawn, n Lawn, n	Trees Bushes, Shrubs Ill grasses, forbs maintained landscape lers/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions at to 50 fee t: Trees Bushes, Shrubs Ill grasses, forbs maintained landscape Boulders/Rocks Gravel/Sand	Right P C X X X X	Shelvin Change Destruc Presen Wrackit X Vegetat Sedime Leaf litt Scour Deposi Multiple X X Bed an Water s Change	line impressed on the b g g ss in the character of soi ction of terrestrial vegetace or of litter and debris ng ion matted down; bent, nt sorting er disturbed or washed a ion o observed flow events d banks sining	oank il attion or absent away
15. In the vicinity of the stream, Chec Left P C Natural Stream Bank: Garbage/jur	Bare Soil ement, Structures ck "P" if present, "C" if or mside plant cover degra s collapsed/eroded nk adjacent to the streat or sheen on bank	Right P C	DELINI TNW TNWW RPW RPW 18. Observed Fauna (m Invertebrates Birds Mammals		NRPW NRPWW ISOLATE UPLAND TNWRPW such as bird wires)
Garbag Yard waste on I Livestock in c Activel	and in or entering the st ge/junk in the stream bank (clippings, leaves or with unrestricted acc ly discharging pipes Other pipes es entering stream	s, etc.)	Reptile/Amph Fish 19. Additional Comments Landscaped ditch; to		ofore exiting into Willow Crk Last Revised: 09/25

APPENDIX L L-434 NOVEMBER 2022

Stream Characterization	Date: 9/25/2019	Time: 3:30pm	Site:		ORD		_Cou	nty:			DuPa	ge	
Field ID: Stream Oitch	Stream Name:		Ditch 2	21			Inve	stigators:	-		CBM,	ВЈН	
	Overcast Clear/Sunny stream:	Stream habitats Pool(s) Riffles(s) Stream Velocity: fast Nature of the page.	present: X : moderate articles in the str		slow [9. W	ater Appearan clear milky foam; X turbid light b dark b oily sl orang green other:	y I orown brown heen ge nish	none	ch fis ro	wage lorine hy tten egg ganic her:	
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):	25 π inel depth):	silt/clay/mud sand gravel cobbles (2 - 10" dia boulders (> 10" dia bedrock 7. Presence o in stream:	am.)		ganic	X	X 12. F	Presence of log stream:	gs or la Occas ory tha jetation	t best dest destanden shade	escribes es the str	entiful the	0%
X M/A 2. Plant Species Adjacent to stream (scient Trees: Ulmus pumila	itific name);	8. Facing upstream for 50 feet on the: left side What is the % cove left side	_yes_	right si	de _	no	bank	ick the descri and the chanr ream bank:	nel (fac	cing ups	stream):		Right
Understory: Solidago sempervirens Typha angustifolia		Facing upstream, of for 50 feet on the: left side	no	right si	de _	no_ tream?			Steeply radual annel: p			ер	Х
Definition of the Streambank out Left P C B T T A Lawn, n C Lawn, n Bould B C Lawn, n Bould B C Lawn, n Lawn, n Lawn, n	Trees ushes, Shrubs II grasses, forbs anintained landscape asseRote/Rip Rap Gravel/Sand Bare Soil tt, Structures, Gabions t to 50 fee t: Trees ushes, Shrubs II grasses, forbs anintained landscape outlets/Rocks	ream):	(X Right	Chec	k "P" if	y High Wat U Natur Shelv Chan Destr Press V/rac Vege Sedir Scou Depo Multijl Bed a Wat Chan	check "U al line im- ing ges in th uction of ence of lit king tation ma ment sort litter distur- r ssition ble obserand bank r staining	Determination If if used to despressed on the echaracter of terrestrial vegiter and debris stated down; being urbed or washing ved flow events.	n etermine soil getation ent, or ed awa	ne OHW k n absent	uN.		
15. In the vicinity of the stream, Chec Left P C Natural Stream Bank: Garbage/jur Foar Mud, silt, or sa	Gravel/Sand Bare Soil Bernend. Etructures k "P" if present, "C" if c raside plant cover degra s collapsed/eroded and adjacent to the strea a or sheen on bank and in or entering the st peljunk in the stream	aded F	Right C	17. Wa	X Dbserv	DELII TNW TNW RPW RPW	WD make note	of wildlife deteren List butterflid			RPWNN NRPW NRPWM ISOLATI UPLANE TNWRPI	I E O	
Yard waste on Livestock in a Active	Jeylink in the Steam bank (clippings, leaves or with unrestricted acco ly discharging pipes Other pipes es entering stream	, etc.)		J	ditiona ocated	Comment on York R		RR		Li	ast Revis	ed: 09/2	25

APPENDIX L L-435 NOVEMBER 2022

Stream Characterization	Date: 9/24/2019	Time: 9:45am Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch:	22	Investigators:	CBM, BJH
Weather in the past 24 hours: Storm (heavy rain)	1"	A. Stream habitats present: Pool(s) Riffles(s) S. Stream Velocity: fast moderate 6. Nature of the particles in the s	RMITTENT Run(s) N/A slow X N/A tream 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	nnel depth):	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): X N/A	D. 10	7. Presence of naturally occin stream: None Occasional	Unknown X Plentiful	12. Pick the category th extent to which vegetation X 0% 25%	
Plant Species Adjacent to stream (scie Trees: Gleditsia triacanthos	entific name):	Facing upstream, does this str for 50 feet on the: left side <u>no</u> What is the % cover of <u>trees</u> per	right side <u>no</u>	13. Pick the description bank and the channel (fi	that best fits the stream acing upstream):
Understory: Eloeocharis obtusa, Cyperus o Typha angustifolia, Echinochloa crus-galli	esculentus,	Facing upstream, does this stream for 50 feet on the: left side	right side <u>0</u> % m have <u>shrub</u> cover right side <u>no</u>	Left Ver	rtical/undercut ply sloping (>30°) al/No slope (<30°) X I: Wide, Deep
X X Lawn, Boul Paveme b) From the top of the streambank o Left P C X Ti Lawn, Lawn, Boul	Trees Bushes, Shrubs all grasses, forbs maintained landscape ders/Rocks/Rip Rap Gravel/Sand Bare Soil	C* if common stream): Right PC XX X	P U Natural Shelvin Change Destruct Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an Water et al.	heck "U" if used to determ I line impressed on the bar g ss in the character of soil ction of terrestrial vegetatic ce of littler and debris ng tion matted down; bent, of art sorting ver disturbed or washed av	nk on r absent
15. In the vicinity of the stream, Che Left P C Natural Strea Banl Garbage/ju Foar Mud, silt, or si Garba	Bare Soil vement, Structures	Right P C aded tream	X DELINI TNW TNWW RPW RPWW	I/D ake note of wildlife deterents suc	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in Active	or with unrestricted acc ely discharging pipes Other pipes hes entering stream		19. Additional Comments roadside ditch; drop	inlets drain the feature	Last Revised: 09/25

APPENDIX L L-436 NOVEMBER 2022

Stream Characterization	Date: 9/26/2019	Time: 11:00 AM S	orte:	ORL)	County:		Cook
Field ID: Stream Oitch	Stream Name:		Ditch 2	3		Investigators:		CBM, BJH
Weather in the past 24 hours:		3. Circle flow regime:		MERAL	PERENNIAL	9. Water Appeara	nce:	10. Water Odor:
Storm (heavy rain)	Overcast			MITTENT		X clear		sewage
Rain (steady rain) X	Clear/Sunny	4. Stream habitats pres		5 ()		milky		chlorine
Showers (intermittent rain)		Pool(s)		Run(s)		foam		fishy
d -> a	2.000	Riffles(s)	Х	N/A		turbi		rotten eggs
a) Approximate depth of water in		5. Stream Velocity:	noderate	X slow	N/A		brown	organic
□ N/A	2-6 inches	fastn	noderate	X SIOW	IWA		brown sheen	other:
b) Approximate width of water flo	M.	6. Nature of the particle	ac in the etr	eam bottom:		oran		X_IIOIIe
b) Approximate width of water no	Ar 1929 A	o. Nature of the particl	es ili ule su	eam bollom.		gree		
□ N/A	1 - 10 ft		None	Little Some	Most	othe		1
c) Approximate width of stream:	4	silt/clay/mud	10	Little Come	X			
(from top of bank to	25 100-2002	sand				11. Presence of lo	nas or large wo	ndv dehris in
top of bank)	6-15 ft	gravel				stream:	.go 0a. go 1. o	ou, uosiio iii
1-6 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1		cobbles (2 - 10" diam.)					Occasional	Plentiful
d) Approximate height of banks (char	nnel depth):	boulders (> 10" diam.)				NOTE AND DESCRIPTION OF THE PERSON OF THE PE		
		bedrock						
left 2 ft right	3 ft	Presence of na	turally occu	rring organic	material	12. Pick the categ	ory that best d	lescribes the
		in stream:	nones modes and a			extent to which veg		
e) Approximate depth of pool(s):					Unknown	X 0%	50%	100%
20		None C	Occasional	Х	Plentiful	25%	75%	
χ N/A							other -	%
Plant Species Adjacent to stream (scient)	ntific name):	Facing upstream, do	es this strea	am have <u>tre</u>	e cover			
		for 50 feet on the:				Pick the descr		
Trees:		left side	no	right side	no	bank and the chan	nel (facing ups	stream):
					erreda =	THE REPORT OF THE PARTY OF THE		
		What is the % cover of				a) Stream bank:		
. *************************************		left side	0_%	right side	0_%	Left	20 M W W	Right
Understory:			H-!			ш.	Vertical/und	
Phragmites australis, Typha ar Eleocharis palustris, Lythrum s	ngustitolia naliaaria	Facing upstream, does for 50 feet on the:	tnis stream	nave <u>snrur</u>	cover		Steeply sloping	
Alisma subcordatum	salicaria		no	right side	no	<u> </u>	Gradual/No slop	oe (<30°) X
Ansina subcordatum		leit side	110	rigitt side	110	b) Shape of the ch	nannel:	
		What is the % cover of	shrubs per	r side of the	stream?	Narrow, Dee		Wide, Deep
			35	Observer ini	tials:	X Narrow, Sha		fide, Shallow
14. Describe the streamside cover.	Check "P" if present, "C	" if common		16. Ordina	y High Water	Mark Determination	on	
a) Along the water's edge and stream					• 400 0 000000			
Left		Righ	nt	Check "P"	if observed; Ch	eck "U" if used to d	letermine OHV	VM
P C		_ P	С	_ P	U			
	Trees					line impressed on tl	he bank	
	Bushes, Shrubs				Shelvin			
	Ill grasses, forbs				Change	s in the character o	fsoil	
	naintained landscape	Х	Х			tion of terrestrial ve		
Bould	ders/Rocks/Rip Rap					e of litter and debri	s	
	Gravel/Sand	<u> </u>	_	-	Wrackir			
X X Pavemer	Bare Soil ht Structures, Gabions	<u> </u>	— ∤ I	-		ion matted down; be nt sorting	ent, or absent	
b) From the top of the streambank of			_	-		nt sorung er disturbed or wash	and away	
Left	it to so lee t.	Righ	. I	_	Scour	el distuibed of wasi	ieu away	
P C		D	ື	<u> </u>	Deposit	ion		
	Trees		<u> </u>			observed flow ever	nts	l
E E	Bushes, Shrubs		_			d banks		
	Ill grasses, forbs		_		Water s			l
Lawn, r	naintained landscape	х	_ I	Х		in plant community	,	l
	Boulders/Rocks			-				
	Gravel/Sand			17. Waters	Гуре			RPWNN
	Bare Soil			Х	DELINE	ATE		NRPW
X X Pav	ement, Structures	Х	Х		TNW			NRPWW
					TNWW			ISOLATE
15. In the vicinity of the stream, Chec	ck "P" if present, "C" if c				RPW			UPLAND
Left		Righ	ıt [10 0	RPWW			TNWRPW
P C Natural Street	osida plant	oded P	<u> </u>	18. Obser	ved Fauna (ma	ke note of wildlife detere	nts such as bird w	ires)
	mside plant cover degra s collapsed/eroded	lued	— I		laccastalasat	List		
	s collapsed/eroded nk adjacent to the strea	_m	⊣ l	 	Invertebrates Birds	4		
	nk adjacent to the strea n or sheen on bank	"	⊣ I	 	Mammals	-		
	n or sneen on bank and in or entering the st	ream H	⊣ I	 	Reptile/Amphi			
	ge/junk in the stream	X	⊣		Fish	u113		
	bank (clippings, leaves		⊣		1	*		
	or with unrestricted acc		I	19. Addition	al Comments			
	ly discharging pipes		⊣			s into construction a	area: not deline	eated
/rs	Other pipes	 	-					
Ditch	es entering stream	 	⊣					
Ditti	or ordering sucuri	<u> </u>	_	Datashoot o				ast Revised: 09/25

APPENDIX L L-437 NOVEMBER 2022

Stream Characterization	Date: 9/25/2019	Time: 5:10pm Site:	ORD	County:	Cook
Field ID: Stream Oitch	Stream Name:	Ditch	24	Investigators:	СВМ, ВЈН
Weather in the past 24 hours: Storm (heavy rain)	Overcast Clear/Sunny a stream: 0-3 inches	A. Stream habitats present: Pool(s) Riffles(s) S. Stream Velocity: fast Moderate 6. Nature of the particles in the s	RMITTENT Run(s) N/A slow X N/A tream bottom:	9. Water Appearance: X clear milky foamy turbid light brow dark brow oily sheel orange greenish other:	vn other:
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	r large woody debris in
e) Approximate depth of pool(s):	.t 1 tt	7. Presence of naturally occin stream: None Occasiona	Unknown X Plentiful	12. Pick the category to extent to which vegetate 0% 25% X	ion <u>shades</u> the stream: 50%100% 75%
Plant Species Adjacent to stream (scie Trees: Salix sp.		Facing upstream, does this str for 50 feet on the: left side	right side <u>yes</u>	bank and the channel (n that best fits the stream facing upstream):
Understory: Phragmites australis, Ly Solidago sempervirens, Symphyotrichum subulatum		What is the % cover of <u>trees</u> per left side 0 % Facing upstream, does this streat for 50 feet on the: left side no What is the % cover of <u>shrubs</u> p	right side5% m have <u>shrub</u> cover right sideno	Stee	ertical/undercut Right ply sloping (>30°) al/No slope (<30°) X el: Wide, Deep Wide, Shallow
X X Lawn, Boul X Paveme b) From the top of the streambank o Left P C X X Lawn, Lawn, Boul	m bank only (facing upsi Trees Bushes, Shrubs all grasses, forbs maintained landscape iders/Rocks/Rip Rap Gravel/Sand Bare Soil ent, Structures, Gabions	Right PC X X X X	Check "P" if observed; Cl P U Natural Shelvin Change Destruct Presen Wracki Vegeta Sedime Leaf litt Scour Deposi Multiple Bed an Water s	Mark Determination heck "U" if used to deterr line impressed on the ba g ss in the character of soil tion of terrestrial vegetat ce of litter and debris ng tion matted down; bent, of ant sorting er disturbed or washed a	nine OHWM ank tion or absent
15. In the vicinity of the stream, Che Left P C Natural Strea Banl Garbage/ju Foar Mud, silt, or si Garba	Bare Soil vement, Structures	Right P C added am	X DELINI TNW TNWW RPW RPWW	/D ake note of wildlife deterents su List	NRPW NRPWW ISOLATE UPLAND TNWRPW
Livestock in Active	or with unrestricted according pipes Other pipes hes entering stream		19. Additional Comments shallow ditch, partly	along road and cuts thro	ough a field further north Last Revised: 09/25

APPENDIX L L-438 NOVEMBER 2022

Stream Characterization	Date: 9/25/2019	Time: 3:00pm 3	Site:	Ü	RD		Cou	nty:			Cook	(
Field ID: Stream Oitch	Stream Name:		Ditch 2	:5			Inve	stigators:			СВМ	I, BJF	£
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:	3. Circle flow regime: 4. Stream habitats pre- Pool(s) Riffles(s) 5. Stream Velocity: fast 6. Nature of the partic	NTER sent: X moderate les in the str	RMITTENI Run(s) N/A slov ream botto	v X]N/A	9. W	dark	y d brown brown sheen ge nish	none	cl fi:	ewage hlorine shy otten e organic other:	eggs
c) Approximate width of stream: (from top of bank to top of bank) d) Approximate height of banks (char left 10 ft right e) Approximate depth of pool(s):	20 ft	silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock 7. Presence of na in stream:			Х	rial	X 12. F	resence of lo stream:	gs or la	t best d	lescribes	Plentifu the ream:	00%
X N/A 2. Plant Species Adjacent to stream (scient Trees: Understory: Phragmites australis, Typha an Andropogon glomeratus, Digita	ngustifolia,	8. Facing upstream, do for 50 feet on the: left side What is the % cover of left side Facing upstream, does for 50 feet on the:	no f <u>trees</u> per s 0 %	right side side of the right side	yes stream? 5	_%	bank		iption t nel (far Verti Steeply	cing ups cal/und	t fits the stream):	E	n Right
Persicaria maculatum 14. Describe the streamside cover. a) Along the water's edge and stream Left P C	Check "P" if present, "C n bank only (facing upst	ream): Rig P		Observer 16. Ordi	initials: nary Hig	h Water	X Mark I	nape of the ch Narrow, Dee Narrow, Sha Determinatio	p Ilow n etermin	w ne OHV	Wide, D fide, Sha	eep llow	
X X Lawn, n Bould Pavemer b) From the top of the streambank ou Left P C E Ta	Trees butters, Shrubs all grasses, forbs naintained landscape lers/Rocks/Rip Rap Gravel/Sand Bare Soil nt, Structures, Gabions it to 50 fee t: Trees Bushes, Shrubs ill grasses, forbs naintained landscape	Rig P	x ht c			Shelving Change Destruc Presenc Wrackin Vegetat Sedime Leaf litte Scour Depositi Multiple Bed and Water s	g s in the tion of the of lit tig tion ma the sortion too too too too too too too too too t	rbed or wash ved flow even s	fsoil getatio s ent, or ed aw	n absent			
X X Pav 15. In the vicinity of the stream, Chec	Boulders/Rocks Gravel/Sand Bare Soil ement, Structures	X		17. Water	s Type	DELINE TNW TNWW RPW RPWWI	ATE D				RPWNN NRPW NRPW ISOLAT UPLAN TNWRF	N TE	
Natural Strear Bank Garbage Foar Foar Mud, sit, or sa X Garbag Yard waste on Yard waste on	mside plant cover degra s collapsed/eroded nk adjacent to the strear n or sheen on bank und in or entering the str ge/junk in the stream bank (clippings, leaves,	ded m eam X etc.)	с 		Invert Birds Mami Repti Fish	tebrates mals le/Amphi		of wildlife deterer	ms such	os ulra W	ii es j		
Livestock in a	or with unrestricted acce ly discharging pipes Other pipes es entering stream				ween RF 30" culv	R and Yo erts pres		flows south der RR; road	culver		h end ast Revi	sed: 0	9/25