Midwest - Version 2.0

U.S. Army Corps of Engin	error constant to exercise to	Requirement Control Symbol
WETLAND DETERMINATION DATA SHEE		EXEMPT
See ERDC/EL TR-07-24; the proponent age	ency is CECW-CO-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD)	City/County: Chicago/C	Cook Sampling Date: 08/20/2019
Applicant/Owner: City of Chicago		State: IL Sampling Point: SE19-55 WET basin 1
Investigator(s): Conor Makepeace, Kim Shannon, Mead & Hun	t, Inc. Section, Township, Rang	ge: Section 17, T40N, R12E
Landform (hillside, terrace, etc.): basin/retention	Local relief (cor	ncave, convex, none): concave
Slope (%): <1% Lat: 41.95234369	Long: -87.90347322	
Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Pre		
Are climatic / hydrologic conditions on the site typical for this ti		No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significa	Marine Series Presidence	
Are Vegetation, Soil, or Hydrologynaturally		
SUMMARY OF FINDINGS – Attach site map sho	owing sampling point loc	ations, transects, important features, etc.
Hydrophytic Vegetation Present?         Yes         X         No           Hydric Soil Present?         Yes         X         No           Wetland Hydrology Present?         Yes         X         No	Is the Sampled Area within a Wetland?	a Yes <u>X</u> No
Remarks: Large retention area; data point at edge of upland area.		
<b>VEGETATION</b> – Use scientific names of plants.		
Absol Tree Stratum (Plot size: ) % Co	macana ilianamakaanahi alikinakaana	Dominance Test worksheet:
Tree Stratum (Plot size:) % Co	Species: Status	
2.	3) 13	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.		Total Number of Dominant Species
4		Across All Strata: 3 (B)
5		Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size: )	=Total Cover	Are OBL, FACW, or FAC:(A/B)
1.		Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3.		OBL species 20 x 1 = 20
4		FACW species 80 x 2 = 160
5.		FAC species0 x 3 =0
		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5ft )		UPL species 0 x 5 = 0
1. Phalaris arundinacea         40           2. Juncus dudlevi         30		Column Totals: 100 (A) 180 (B)
2. Juncus dudleyi         30           3. Lythrum salicaria         20		Prevalence Index = B/A = 1.80
4. Solidago sempervirens 10		Hydrophytic Vegetation Indicators:
5.		X 1 - Rapid Test for Hydrophytic Vegetation
6.		X 2 - Dominance Test is >50%
7.		X 3 - Prevalence Index is ≤3.01
8		4 - Morphological Adaptations (Provide supporting
9		data in Remarks or on a separate sheet)
10		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	ACCUPATION ASSESSMENT	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		Hydrophytic
2.		Vegetation
	=Total Cover	Present? Yes X No
Remarks: (Include photo numbers here or on a separate she Community Type: wet meadow HGM Type: depressional		

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Depth Matrix		ro me aet				uu or o	confirm the absence	or indicators.)	
960 70 M		0/		x Featu		1.002	T	Domesto	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type	Loc²	Texture	Remarks	
0-6	10YR 2/1	100	in-product and the rest	·	-	-	Loamy/Clayey	loam	
6-16	10YR 4/1	92	7.5YR 4/6	8	<u> </u>	M_	Loamy/Clayey	Prominent redox concentration	
	- 1	_			_	_	-	above layer sticky clay	
				_					
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand	Grains	Location 2	n: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicato	rs for Problematic Hydric Soils <sup>3</sup> :	
Histoso	I (A1)		Sandy Gle	eyed Mat	rix (S4)		Coas	st Prairie Redox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)			Iron-	Manganese Masses (F12)	
Black H	istic (A3)		Stripped M	√atrix (S	6)		Red	Parent Material (F21)	
Hydroge	en Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)	
Stratifie	d Layers (A5)		Loamy Mu	icky Min	eral (F1)		Othe	r (Explain in Remarks)	
	uck (A10)		Loamy Gl						
	d Below Dark Surface	(A11)	X Depleted				9		
_	ark Surface (A12)		Redox Da					rs of hydrophytic vegetation and	
	Mucky Mineral (S1)		Depleted		10 10			and hydrology must be present,	
5 cm Mi	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unle	ss disturbed or problematic.	
Restrictive	Layer (if observed):								
Type:									
Depth (i Remarks:		soils indica	ators Depleted Belo	ow Dark	Surface (	A11) an	Hydric Soil Presen	19734 2004-99 <u></u> 1873-60 <u></u>	
Depth (i Remarks:		soils indica	ators Depleted Belo	ow Dark	Surface (	411) an	and account output and	19734 2004-99 <u></u> 1873-60 <u></u>	
Depth (i Remarks: Hydric soils	are present. Hydric s	soils indica	ators Depleted Belo	ow Dark	Surface (	411) an	and account output and	19734 2004-99 <u></u> 1873-60 <u></u>	
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy	are present. Hydric s				Surface (/	411) an	d Depleted Matrix (F3)	are satisfied.	
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Ind	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of o		ired; check all that	apply)		411) an	d Depleted Matrix (F3)	are satisfied.	
Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of of of the control of the co		ired: check all that Water-Sta	apply) ained Lea	aves (B9)	A11) an	d Depleted Matrix (F3)  Seconda Surfa	o are satisfied.  In Indicators (minimum of two requace Soil Cracks (B6)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c  Water (A1) ater Table (A2)		i <u>red; check all that</u> Water-Sta Aquatic Fi	apply) ained Lea auna (B1	aves (B9)	411) an	d Depleted Matrix (F3)  Seconda  Surfa  Drair	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati	are present. Hydric s  OGY  rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		ired: check all thatWater-StaAquatic FiTrue Aqua	apply) ained Lea auna (B1 atic Plani	aves (B9) 3) ss (B14)		d Depleted Matrix (F3)  Seconda Surfa Drair Dry-i	or Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M	are present. Hydric sometimes of comparison		ired: check all thatWater-Sta Aquatic Fi True Aqua Hydrogen	apply) ained Lea auna (B1 atic Plan Sulfide	aves (B9) 3) ss (B14) Odor (C1	)	d Depleted Matrix (F3)  Seconda Surfa Drair Dry- Cray	ry Indicators (minimum of two requace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water M Sedime	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)		ired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph	aves (B9) 3) ss (B14) Odor (C1 teres on I	) Living R	d Depleted Matrix (F3)  Seconda Surfa Drair Dry- Cray oots (C3) Satu	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water M Sedime Drift De	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3)  Marks (B1) nt Deposits (B2) posits (B3)		ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph of Redu	aves (B9) 3) ss (B14) Odor (C1 aeres on I ced Iron (	) Living R C4)	Seconda Surfa Drair Dry- Cray oots (C3) Stu	ny Indicators (minimum of two requace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C	
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Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron Dep	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3)  Marks (B1) nt Deposits (B2) posits (B3)	one is requ	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface	aves (B9) 3) is (B14) Odor (C1) eres on I ced Iron ( ction in Ti e (C7)	) Living R C4)	Seconda	ny Indicators (minimum of two requace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron De; Inundati	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of of of the control of the co	one is requ	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da	aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R C4)	Seconda	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water M Sedime Drift De Algal M Iron Dei Inundati Sparsel	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of	one is requ	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da	aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R C4)	Seconda	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron De; Inundati Sparsel	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of	one is requ magery (B Surface (	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B' atic Plani Sulfide Rhizosph of Redu on Redu c Surface Well Da plain in F	aves (B9) 3) is (B14) Odor (C1 eres on led fron (ction in Tie (C7) ta (D9) Remarks)	) Living R C4)	Seconda	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron De; Inundati Sparsel	are present. Hydric s  OGY  Idrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial II y Vegetated Concave rvations: ter Present? Ye	one is requ magery (B Surface (	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 atic Plani Sulfide Rhizosph of Redu c Surface Well Da plain in F	aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R C4)	Seconda	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron De; Inundati Sparsel Field Obses	are present. Hydric s  OGY  Indrology Indicators: icators (minimum of	magery (B Surface (	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) ta (D9) Remarks) nches): _	) Living R C4) Iled Soi	Seconda	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)	
Depth (i Remarks: Hydric soils  HYDROL( Wetland Hy Primary Indi Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron Dej Inundati Sparsel Field Obsel Surface Wa Water Table Saturation F	are present. Hydric s  OGY  Indrology Indicators: icators (minimum of	magery (B s Surface (	ired; check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Ird — Thin Much 7) — Gauge or B8) — Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron (bition in Ti e (C7) Ita (D9) Remarks) nches): _nches):	) Living R C4) Iled Soi	Seconda Surfa Drair Dry- Cray oots (C3) Satu Stun Stun Stun FAC	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water N Sedime Drift De Algal M: Iron Dep Inn Det Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	are present. Hydric solutions: icators (minimum of	magery (B Surface ( s s x	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Iro — Thin Muck  7) — Gauge or  88) — Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu of Surface Surface Surface Depth ( Depth (	aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (C9) ta (C9) nches): nches):	) Living R C4) Iled Soi	Seconda Surfa Drair Cray oots (C3) Satu Stun Stun Stun FAC	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water N Sedime Drift De Algal M: Iron Dep Inn Det Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	are present. Hydric solutions: cators (minimum of complete (A1) ater Table (A2) on (A3) Marks (B1) at or Crust (B4) posits (B3) posits (B5) ion Visible on Aerial lity Vegetated Concave rvations: ter Present? Yes present?	magery (B Surface ( s s x	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Iro — Thin Muck  7) — Gauge or  88) — Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu of Surface Surface Surface Depth ( Depth (	aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (C9) ta (C9) nches): nches):	) Living R C4) Iled Soi	Seconda Surfa Drair Cray oots (C3) Satu Stun Stun Stun FAC	ry Indicators (minimum of two requace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)	

Midwest - Version 2.0

APPENDIX L L-244 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA			Pogion	Requirement Control Symbol EXEMPT
See ERDC/EL TR-07-24; the propor			175	(Authority: AR 335-15, paragraph 5-2a
Project/Site: Chicago O'Hare International Airport (O	RD)	City/Cou	unty: Chicago	· · · · · · · · · · · · · · · · · · ·
Applicant/Owner: City of Chicago				State: IL Sampling Point: SE19-55 WET (b)
Investigator(s): Conor Makepeace, Kim Shannon, Me	ad & Hunt, Inc	Section,	Township, Ran	nge: Section 17, T40N, R12E
Landform (hillside, terrace, etc.): basin/retention			Local relief (co	oncave, convex, none): concave
Slope (%): <1% Lat: 41.95306555		Long:	-87.90310479	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly	level (Predomi	nantly Non-l	nydric (6%))	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical	for this time of	fyear?	Yes_X_	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly d	isturbed?	Are "Normal C	
Are Vegetation, Soil, or Hydrology				
				cations, transects, important features, et
		<u> </u>	p	,p,
	No		e Sampled Are	
	No	with	in a Wetland?	Yes X No
The state of the s	<u> </u>			
Remarks: Within large basin/retention area.				
Within large basin/retention area.				
VEGETATION – Use scientific names of p	lants			
Contract to the contract of particles of par	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 2 (A)
3.	-0			Total Number of Dominant Species
4				Across All Strata: 2 (B)
5	·	Total Cover	.——	Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/
Sapling/Shrub Stratum (Plot size:		10101 00101		7.40 GBE, 17.600, G17.10.
1.			-	Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species17 x 1 =17
4				FACW species 80 x 2 = 160
5	- — <u> </u>		n	FAC species 0 x 3 = 0
Harb Stratum (Diet size: 5#		Total Cover		FACU species 0 x 4 = 0  UPL species 0 x 5 = 0
Herb Stratum (Plot size: 5ft )   1. Phragmites australis	40	Yes	FACW	UPL species 0 x 5 = 0  Column Totals: 97 (A) 177 (B)
Solidago sempervirens	40	Yes	FACW	Prevalence Index = B/A = 1.82
3. Typha angustifolia	15	No	OBL	
4. Lythrum salicaria	2	No	OBL	Hydrophytic Vegetation Indicators:
5.				X 1 - Rapid Test for Hydrophytic Vegetation
6			3—————————————————————————————————————	X 2 - Dominance Test is >50%
7				X 3 - Prevalence Index is ≤3.01
8	· <del></del>		8	4 - Morphological Adaptations (Provide support data in Remarks or on a separate sheet)
9.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10	97 =	Total Cover	n	Indicators of hydric soil and wetland hydrology mus
Woody Vine Stratum (Plot size:	)	, oral Cover		'Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
1				Hydrophytic
2.				Vegetation
		Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a sep	the Contrated State of the Avenue State of the State of			
Community Type: wet meadow HGM Type: depress	ional Hydroph	rytic vegetat	ion is present.	Some bare soil present.

ENG FORM 6116-7-SG, JUL 2018 Midwest - Version 2.0

APPENDIX L L-245 NOVEMBER 2022

N4L	DESCRIPTION ASSESSMENT REPORT OF	to the dep	oth needed to doc		01 601	mini the absence of t	
Depth	Matrix	0.4		x Features	2		w
nches)	Color (moist)		Color (moist)	% Type	.oc²	Texture	Remarks
0-1	10YR 3/1	100		·		Loamy/Clayey	
1-6	10YR 5/1	100				Loamy/Clayey	full of pebbles
				===			
vpe: C=Co	ncentration. D=Dep	letion. RM	=Reduced Matrix.	MS=Masked Sand G	rains.	<sup>2</sup> Location: F	PL=Pore Lining, M=Matrix.
dric Soil li			,				or Problematic Hydric Soils <sup>3</sup>
Histosol (	A1)		Sandy Gle	eyed Matrix (S4)			rairie Redox (A16)
Histic Epi	pedon (A2)		Sandy Re	dox (S5)		Iron-Mar	nganese Masses (F12)
Black His	tic (A3)		Stripped N	Matrix (S6)		Red Par	ent Material (F21)
manufacture and a	Sulfide (A4)		Dark Surfa				allow Dark Surface (F22)
20000 20000 00	Layers (A5)			ucky Mineral (F1)		Other (E	Explain in Remarks)
2 cm Muc	3 8 9			eyed Matrix (F2)			
Depleted	Below Dark Surface	(A11)	X Depleted	Matrix (F3)			
Thick Dar	rk Surface (A12)		Redox Da	rk Surface (F6)		<sup>3</sup> Indicators o	f hydrophytic vegetation and
— Sandy Mu	ucky Mineral (S1)		— Depleted	Dark Surface (F7)			hydrology must be present,
5 cm Muc	ky Peat or Peat (S3	3)	Redox De	pressions (F8)		unless d	listurbed or problematic.
	50	6	op 1 inch. Hydric sc	oils are present. Hyd		Hydric Soil Present?	Yes X No
Depth (in	ches):	6	op 1 inch. Hydric sc	oils are present. Hyo		STATE OF STREET	90004-999 M-3000
Depth (in-	ches):  el and pebbles presented.	6	op 1 inch. Hydric sc	oils are present. Hyd		STATE OF STREET	90004-999 M-3000
Depth (in- emarks: oil has grave  YDROLO  /etland Hyd	ches):  el and pebbles prese  GY  Irology Indicators:	6 ent after to				indicator Depleted Ma	trix (F3) is satisfied.
Depth (in- lemarks: leoil has grave  YDROLO  Vetland Hyd  trimary Indic	ches):  el and pebbles prese  GY  Irology Indicators: ators (minimum of c	6 ent after to	ired: check all that	apply)		indicator Depleted Ma	trix (F3) is satisfied.
Depth (in: Remarks: Soil has grave  YDROLO Vetland Hyd Surface V	GY  Irology Indicators: ators (minimum of c	6 ent after to	ired; check all that X Water-Sta	apply) ined Leaves (B9)		indicator Depleted Ma  Secondary II	trix (F3) is satisfied.  ndicators (minimum of two reg Soil Cracks (B6)
Depth (in: Remarks: Soil has grave  YDROLO  Vetland Hyd  Frimary Indic  Surface V  High Wat	GY Irology Indicators: ators (minimum of c	6 ent after to	ired: check all that X Water-Sta Aquatic Fi	apply)		indicator Depleted Ma  Secondary II  Surface Drainage	trix (F3) is satisfied.
Depth (in: Remarks: Soil has grave  YDROLO  Vetland Hyd  Frimary Indic  Surface V  High Wat	GY Irology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3)	6 ent after to	i <u>ired: check all that</u> X Water-Sta Aquatic Fi	apply) lined Leaves (B9) auna (B13)		indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea	trix (F3) is satisfied.  Indicators (minimum of two red Soil Cracks (B6)  e Patterns (B10)
Depth (inclements)  YDROLO  Vetland Hyd  Trimary Indic  Surface V  High Wat  X Saturation  Water Ma	GY Irology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3)	6 ent after to	iired; check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) iined Leaves (B9) auna (B13) atic Plants (B14)	ric solls	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish	ndicators (minimum of two rea Soil Cracks (B6) e Patterns (B10) son Water Table (C2)
Depth (in- emarks: oil has grave  YDROLO Vetland Hyd rimary Indic Surface V High Wat X Saturation Water Ma	GY Irology Indicators: ators (minimum of context) vater (A1) er Table (A2) in (A3) arks (B1) c Deposits (B2)	6 ent after to	ired; check all that  X Water-Ste Aquatic Fi True Aqua Hydrogen Oxidized I	apply) ined Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1)	ric soils	Secondary II Surface Drainage Dry-Sea Crayfish s (C3) Saturation	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8)
Depth (in- emarks: oil has grave  YDROLO  Vetland Hyd rimary Indic Surface V High Wat X Saturation Water Ma Sediment Drift Depo	GY Irology Indicators: ators (minimum of context) vater (A1) er Table (A2) in (A3) arks (B1) c Deposits (B2)	6 ent after to	ired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) ined Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv	ng Root	Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Stunted	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C
Depth (in- emarks: oil has grave  YDROLO  /etland Hyd rimary Indic Surface V High Wat <a href="#">C Saturation</a> Water Ma Sediment Drift Depo	GY Irology Indicators: ators (minimum of of Nater (A1) er Table (A2) in (A3) arks (B1) c Deposits (B2) osits (B3) or Crust (B4)	6 ent after to	ired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply) iined Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (C-	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Crayfish s (C3) Saturatie Stunted C6) X Geomor	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1)
Depth (in- emarks: oil has grave  YDROLO  Vetland Hyd rimary Indic Surface V High Wat  C Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	GY Irology Indicators: ators (minimum of c Vater (A1) er Table (A2) in (A3) erks (B1) er Deposits (B2) osits (B3) or Crust (B4) osits (B5) in Visible on Aerial III	ent after to	ired: check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) inned Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con Reduction in Tille ( Surface (C7) Well Data (D9)	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Crayfish s (C3) Saturatie Stunted C6) X Geomor	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1) phic Position (D2)
Depth (in- emarks: oil has grave  YDROLO  /etland Hyd rimary Indic Surface V High Wat <a href="#"></a>	GY Irology Indicators: ators (minimum of of Nater (A1) er Table (A2) n (A3) arks (B1) c Deposits (B2) posits (B3) or Crust (B4) posits (B5)	ent after to	ired: check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply)  auna (B13)  attic Plants (B14)  Sulfide Odor (C1)  Rhizospheres on Liv  of Reduced Iron (Control  on Reduction in Tille  s Surface (C7)	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Crayfish s (C3) Saturatie Stunted C6) X Geomor	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1) phic Position (D2)
Depth (in- emarks: oil has grave  YDROLO  Vetland Hyd  Gurface V  High Wat  Saturation  Water Ma  Sediment  Drift Depo  Algal Mat  Iron Depo  Inundatio  Sparsely	el and pebbles presidentes:  el and pebbles presidentes:  ators (minimum of control of c	ent after to one is requi	ired: check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) inned Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con Reduction in Tille ( Surface (C7) Well Data (D9)	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Crayfish s (C3) Saturatie Stunted C6) X Geomor	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1) phic Position (D2)
Depth (in- emarks: oil has grave  YDROLO  /etland Hyd rimary Indic Surface V High Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely  ield Observ urface Wate	GY  Irology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) er Deposits (B2) posits (B3) or Crust (B4) posits (B5) n Visible on Aerial In Vegetated Concave vations: er Present? Ye	ent after to	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Muck 7) Gauge or B8) Other (Ex	apply) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con Reduction in Tille (Surface (C7) Well Data (D9) plain in Remarks)	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Crayfish s (C3) Saturatie Stunted C6) X Geomor	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1) phic Position (D2)
Popth (inclements)  Identification of the population of the popula	GY  Irology Indicators: ators (minimum of or	magery (B	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Muck 7) Gauge or Other (Ex	apply) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con on Reduction in Tille surface (C7) Well Data (D9) plain in Remarks)  Depth (inches): Depth (inches):	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Saturatie Stunted C6) X Geomor X FAC-Ne	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Popth (increments)  Popth	GY  Irology Indicators: ators (minimum of or	ent after to	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Muck 7) Gauge or B8) Other (Ex	apply) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con Reduction in Tille Surface (C7) Well Data (D9) plain in Remarks)  Depth (inches): Depth (inches):	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Saturatie Stunted C6) X Geomor X FAC-Ne	ndicators (minimum of two reg Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor Stressed Plants (D1) phic Position (D2)
Pepth (in- Remarks: Soil has grave  YDROLO  Vetland Hyd  Primary Indic  Surface V  High Water Ma  Sediment  Drift Depor  Algal Mat  Iron Depor  Inundatio  Sparsely  Field Observ  Surface Water  Vater Table  Saturation Princludes cap	el and pebbles presidentes:  el and pebbles presidentes  follogy Indicators: ators (minimum of of or	magery (B Surface (	X   Water-Sta   Aquatic Fi	apply) ained Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con or Reduction in Tille or Surface (C7) Well Data (D9) plain in Remarks)  Depth (inches): Depth (inches):	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Saturati Stunted C6) X Geomor X FAC-Ne	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Pepth (in- Remarks: Soil has grave  Primary Indic Surface V High Water Ma Sediment Drift Depor Algal Mat Iron Depor Inundatio Sparsely Sield Observ Surface Water Table Saturation Princludes cap	GY  Irology Indicators: ators (minimum of or	magery (B Surface (	X   Water-Sta   Aquatic Fi	apply) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con on Reduction in Tille surface (C7) Well Data (D9) plain in Remarks)  Depth (inches): Depth (inches):	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Saturati Stunted C6) X Geomor X FAC-Ne	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Depth (increments)  Property (increments)  Pr	GY  Irology Indicators: ators (minimum of or	magery (B Surface (	X   Water-Sta   Aquatic Fi	apply) ained Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1) Rhizospheres on Liv of Reduced Iron (Con or Reduction in Tille or Surface (C7) Well Data (D9) plain in Remarks)  Depth (inches): Depth (inches):	ng Root	indicator Depleted Ma  Secondary II Surface Drainage Dry-Sea Crayfish S (C3) Saturati Stunted C6) X Geomor X FAC-Ne	ndicators (minimum of two red Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (Cor or Stressed Plants (D1) phic Position (D2) utral Test (D5)

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APPENDIX L L-246 NOVEMBER 2022

U.S. Army Corps of Engineers

Requirement Control Symbol

nvestigator(s): Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: Section 17, T40N, R12E  Landform (hillside, terrace, etc.): basin, detention	See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R	(Authority: AR 335-15, paragraph 5-2a)
Applicant/Owner	Project/Site: Chicago O'Hare International Airport (ORD) City/County: Chicago/C	Cook Sampling Date: 8/21/2019
New	A CONTRACTOR OF	
Local relief (concave, convex, none)   Concave		ge: Section 17, T40N, R12E
Side	200 N N N	
Soil Map Unit Name		A STATE OF THE STA
Accordance   Acc		
Are Vegetation Soil or Hydrology algorificantly disturbed? Are "Normal Circumstances" present? Yes X No New Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Wetland Hydrology Present? Yes X No Wetland? Yes X No	•	<del></del>
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.	C. S. O. Minimization of the State of S	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present?		
Hydrophytic Vegetation Present?   Yes   X   No		
Hydric Soil Present?   Yes   X   No	SUMMARY OF FINDINGS – Attach site map showing sampling point loca	ations, transects, important features, etc.
VEGETATION – Use scientific names of plants.           Tree Stratum         (Plot size:)         Absolute % Cover	Hydric Soil Present? Yes X No within a Wetland?	
Absolute   Species   Indicator   Species   Status   Species   Sp	CO POST SILVER W. STORY OF SILVER SIL	
Tree Stratum	VEGETATION – Use scientific names of plants.	
Number of Dominant Species That		Dominance Test worksheet:
Are OBL, FACW, or FÁC: 1 (A)  3.	4	
Across All Strata:	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	and antiques and antiques and antiques are
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)	3.	Total Number of Dominant Species
Sapling/Shrub Stratum   (Plot size:     )	4	Across All Strata: 1 (B)
Prevalence Index worksheet:   Total % Cover of: Multiply by:	=Total Cover	
2.		Presidence Index visulabanti
OBL species   10   x 1 =   10		SE EURO LEMBORISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONISCHICHMONIS
4.		
Herb Stratum   (Plot size:		·
Herb Stratum         (Plot size: 5ft )         75         Yes PACW         FACW Column Totals: 95 (A) 190 (B)           1. Solidago sempervirens         10 No OBL Prevalence Index = B/A = 2.00           3. Eupatorium serotinum         10 No FAC         Hydrophytic Vegetation Indicators:           5.	5.	FAC species 10 x 3 = 30
1. Solidago sempervirens         75         Yes         FACW         Column Totals:         95         (A)         190         (B)           2. Lythrum salicaria         10         No         OBL         Prevalence Index = B/A = 2.00         B           3. Eupatorium serotinum         10         No         FAC         FAC         Hydrophytic Vegetation Indicators:           4.         —         —         Mydrophytic Vegetation Indicators:         —         X 1 - Rapid Test for Hydrophytic Vegetation           6.         —         —         X 2 - Dominance Test is >50%         —         X 3 - Prevalence Index is ≤3.0¹         —         A - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         —         —         Problematic Hydrophytic Vegetation¹ (Explain)           10.         —         —         —         Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Hydrophytic Vegetation           2.         —         —         —         Hydrophytic Vegetation           2.         —         —         —         Hydrophytic Vegetation           3.         —         —         —         —         —         —         —         —         —         —         —         —         — <td>The second secon</td> <td>The state of the s</td>	The second secon	The state of the s
2. Lythrum salicaria         10         No         OBL         Prevalence Index = B/A = 2.00           3. Eupatorium serotinum         10         No         FAC           4.         Hydrophytic Vegetation Indicators:           5.         Language Index = B/A = 2.00           Hydrophytic Vegetation Indicators:         Language Index = B/A = 2.00           4. Hydrophytic Vegetation Indicators:         Language Index = B/A = 2.00           Hydrophytic Vegetation Indicators:         Language Index = B/A = 2.00           Language Index = B/A = 2.00         Hydrophytic Vegetation Indicators:           X 1 - Rapid Test for Hydrophytic Vegetation Indicators:         X 2 - Dominance Test is >50%           X 3 - Prevalence Index = B/A = 2.00         A - Mydrophytic Vegetation Indicators:           X 1 - Rapid Test for Hydrophytic Vegetation Indicators:         X 3 - Prevalence Index = B/A = 2.00           X 2 - Dominance Test is >50%         X 3 - Prevalence Index = B/A = 2.00           X 3 - Prevalence Index = B/A = 2.00         Prevalence Index = B/A = 2.00           X 3 - Prevalence Index = B/A = 2.00         Prevalence Index = B/A = 2.00           X 1 - Rapid Test for Hydrophytic Vegetation Indicators:         Provide supporting data in Remarks or on a separate sheet)           Problematic Hydrophytic Vegetation Indicators:         Provide supporting data in Remarks or on a separate sheet)         Provide supporting		
3. Eupatorium serotinum  4.		
4.	100 TO	Prevalence index = B/A =
6.		Hydrophytic Vegetation Indicators:
7.	5.	X_1 - Rapid Test for Hydrophytic Vegetation
8.	6.	X 2 - Dominance Test is >50%
9	7	
10	8	
Woody Vine Stratum (Plot size: )	(in 10)	
1 Hydrophytic 2Total Cover	95 =Total Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2		
=Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)		200 - Control (200 -
Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present.	LINE THROUGH CHARLES IN THE CHARLES CANDER IN THE CHARLES CANDER IN COLUMN CONTROL OF THE CHARLES CONTROL OF THE C	t.

ENG FORM 6116-7-SG, JUL 2018 Midwest - Version 2.0

APPENDIX L L-247 NOVEMBER 2022

	STORE STREET,	to the dep	oth needed to doc			מנטו טו נ	commin the abse	nce or maid	Jaioi 5. j	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type <sup>1</sup>	Loc <sup>2</sup>	Taytura		Domorko	
(inches)	NAMES OF STREET STREET		Color (moist)	70	Турс	LOC	Texture		Remarks	
0-4	10YR 3/1	100	-	-			Loamy/Claye		loamy with cla	у
4-16	10YR 3/1	50	Bankaran www.eu	-		-	Loamy/Claye	У	clay	ry 200
	10YR 5/1	48	10YR 4/6		<u> </u>	M	-	Pro	ominent redox conce	entration
Type: C=0	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains	2 Loc	ation: PL=F	Pore Lining, M=Matri	х.
	Indicators:	· · · · · · · · · · · · · · · · · · ·	×8						Problematic Hydric	
Histoso	I (A1)		Sandy Gle	eyed Mat	rix (S4)			Coast Prairi	e Redox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)				Iron-Mangar	nese Masses (F12)	
Black H	istic (A3)		Stripped M	//atrix (S	6)			Red Parent	Material (F21)	
Hydrog	en Sulfide (A4)		Dark Surfa	ace (S7)			_	Very Shallov	w Dark Surface (F22	)
Stratifie	d Layers (A5)		Loamy Mu	icky Min	eral (F1)			Other (Expla	ain in Remarks)	
2 cm M	uck (A10)		Loamy Gl	eyed Ma	trix (F2)					
Deplete	d Below Dark Surface	(A11)	X Depleted	Matrix (F	3)					
Thick D	ark Surface (A12)		X Redox Da	rk Surfac	ce (F6)		<sup>3</sup> Indi	cators of hy	drophytic vegetation	and
Sandy	Mucky Mineral (S1)		Depleted	Dark Sur	face (F7	)	19	wetland hyd	rology must be pres	ent,
5 cm M	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)			unless distu	rbed or problematic.	
Restrictive	Layer (if observed):									
Tomas										
Type:										
Depth ( Remarks:	are present. Hydrics	soils indica	ators Depleted Mati	rix (F3) a	nd Redo	x Dark S	Hydric Soil Pre	20111202001121	Yes X	No _
Depth ( Remarks:		soils indica	ators Depleted Mate	rix (F3) a	nd Redo	x Dark S	070 - 000 d 100 100 100 100 100 100 100 100 1	20111202001121	Yes X	No_
Depth ( Remarks: Hydric soils	are present. Hydric s	soils indica	ators Depleted Mati	rix (F3) a	nd Redo	x Dark S	070 - 000 d 100 100 100 100 100 100 100 100 1	20111202001121	Yes <u>X</u>	No_
Depth ( Remarks: Hydric soils  HYDROL  Wetland H	are present. Hydric s				nd Redo	x Dark S	Gurface (F6) are s	atisfied.		9300
Depth ( Remarks: Hydric soils  HYDROLO  Wetland Hy	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of c		ired: check all that	apply)			Surface (F6) are si	atisfied.	ators (minimum of t	9300
Depth ( Remarks: Hydric soils  HYDROLO  Wetland H' Primary Ind Surface	are present. Hydric s  OGY  /drology Indicators: icators (minimum of of of Water (A1)		ired; check all that X Water-Sta	apply)	aves (B9)		Surface (F6) are so	atisfied. ondary Indic Surface Soil	ators (minimum of to Cracks (B6)	9300
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of c  Water (A1) ater Table (A2)		iired: check all that X Water-Sta Aquatic Fi	apply) ined Lea auna (B1	aves (B9)		Surface (F6) are si	atisfied. ondary Indic Surface Soil Drainage Pa	ators (minimum of to Cracks (B6) atterns (B10)	9300
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		i <u>ired: check all that</u> X Water-Sta Aquatic Fi	apply) nined Lea auna (B1	aves (B9) 3) ss (B14)		Section Sectio	atisfied. ondary Indic Surface Soil Drainage Pa Dry-Season	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2)	9300
Depth ( Remarks: Hydric soils  HYDROL  Wetland H  Primary Ind  Surface  High W  X  Saturat  Water I	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of c  Water (A1) ater Table (A2)		iired: check all that X Water-Sta Aquatic Fi	apply) iined Lea auna (B1 atic Plant Sulfide	aves (B9) 3) 3) (s (B14) Odor (C1	)	Section Sectio	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bui	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat Water I Sedime	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of c  Water (A1) ater Table (A2) on (A3)  Marks (B1)		iired: check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) iined Lea auna (B1 atic Plant Sulfide ( Rhizosph	aves (B9) 3) is (B14) Odor (C1 teres on	) Living R	Sector (C3) Sector (C3)	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bui Saturation V	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H  Primary Ing Surface High W  X Saturat Water I Sedime Drift De	are present. Hydric s  OGY  /drology Indicators: icators (minimum of of of Water (A1) ater Table (A2) on (A3) //arks (B1) nt Deposits (B2)		ired; check all that  X Water-Ste Aquatic Fi True Aqua Hydrogen Oxidized I	apply) nined Lea auna (B1 atic Plant Sulfide Rhizosph of Redu	aves (B9) 3) ss (B14) Odor (C1 aeres on ced Iron	) Living R (C4)	Secretary (C3)	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H: Primary Inde Surface High W  X Saturat Water I Sedime Drift De X Algal M	are present. Hydric s  OGY  /drology Indicators: icators (minimum of o Water (A1) ater Table (A2) on (A3) //arks (B1) nt Deposits (B2) posits (B3)		ired: check all that  X Water-Ste  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) nined Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduon Reduon	aves (B9) 3) 3) (s (B14) Odor (C1 aeres on ced Iron ction in T	) Living R (C4)	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H  Primary Ind Surface High W  X Saturat Water I Sedime Drift De X Algal M Iron De	are present. Hydric s  OGY  /drology Indicators: icators (minimum of of of the control of the co	one is requ	ired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon Reduct surface	aves (B9) 3) is (B14) Odor (C1 eres on ced Iron ction in T	) Living R (C4)	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W  X Saturat Water I Sedime Drift De X Algal M Iron De Inundat	are present. Hydric s  OGY  /drology Indicators: icators (minimum of of or Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck	apply)  and Lea  auna (B1  atic Plant  Sulfide (Rhizosph  of Reduon Reduct  Surface  Well Dat	aves (B9) 3) is (B14) Odor (C1 eres on ced Iron cition in T e (C7) ta (D9)	) Living R (C4) illed Soil	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W  X Saturat Water I Sedime Drift De X Algal M Iron De Inundat	are present. Hydric s  OGY  /drology Indicators: icators (minimum of	one is requ	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck	apply)  and Lea  auna (B1  atic Plant  Sulfide (Rhizosph  of Reduon Reduct  Surface  Well Dat	aves (B9) 3) is (B14) Odor (C1 eres on ced Iron cition in T e (C7) ta (D9)	) Living R (C4) illed Soil	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W  X Saturat Water I Sedime Drift Defined Iron De Inundat Sparse	are present. Hydric s  OGY  /drology Indicators: icators (minimum of	one is requ magery (B Surface (	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck	apply)  ained Lea auna (B1 atic Plant Sulfide e Rhizosph of Reduo on Reduo c Surface Well Dat plain in F	aves (B9) 3) is (B14) Odor (C1 eres on ced Iron cition in T e (C7) ta (D9)	) Living R (C4) illed Soil	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W  X Saturat Water I Sedime Drift Defined Iron De Inundat Sparse	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of	one is requ magery (B Surface (	ired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or  B8)  Other (Ex	apply)  ained Lea auna (B1 atic Plant Sulfide e Rhizosph of Reduo on Reduo c Surface Well Dat plain in F	aves (B9); 3) is (B14) Odor (C1 eres on ced Iron btion in T e (C7) ta (D9) Remarks)	) Living R (C4) illed Soil	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Imag Stressed Plants (D1)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat Water I Sedime Drift De Inundat Sparsei  Field Obse Surface Wa	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of	magery (B Surface (	ired: check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex	apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduce surface Well Dai plain in F	aves (B9); 3) is (B14) Odor (C1 eres on ced Iron btion in T e (C7) ta (D9) Remarks)	) Living R (C4) illed Soil	Surface (F6) are si	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bur Saturation V Stunted or S Geomorphic FAC-Neutra	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) frisible on Aerial Imag Stressed Plants (D1) : Position (D2) I Test (D5)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat Water I Sedime Drift De Iron De Iron De Iron De Surface Wetland H Sparse  Field Obse Surface Wetland H Saturation I (includes ca	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of	magery (B Surface ( s s x	X   Water-Sta   Aquatic Fi	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduct ( Surface ( Surface ) Delth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 teres on ced fron ction in T e (C7) ta (D9) Remarks) nches): nches):	) Living R (C4) illed Soil	Section (C3)  Se	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bui Saturation V Stunted or S Geomorphic FAC-Neutra	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) frisible on Aerial Imag Stressed Plants (D1) : Position (D2) I Test (D5)	wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat Water I Sedime Drift De Iron De Iron De Iron De Surface Wetland H Sparse  Field Obse Surface Wetland H Saturation I (includes ca	are present. Hydric s  OGY  ydrology Indicators: icators (minimum of	magery (B Surface ( s s x	X   Water-Sta   Aquatic Fi	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduct ( Surface ( Surface ) Delth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 teres on ced fron ction in T e (C7) ta (D9) Remarks) nches): nches):	) Living R (C4) illed Soil	Section (C3)  Se	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bui Saturation V Stunted or S Geomorphic FAC-Neutra	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) frisible on Aerial Imag Stressed Plants (D1) : Position (D2) I Test (D5)	<b>e</b> wo requi
Depth ( Remarks: Hydric soils  HYDROL  Wetland H Primary Ind Surface High W X Saturat Water I Sedime Drift De Iron De Iron De Iron De Surface Wetland H Sparse  Field Obse Surface Wetland H Saturation I (includes ca	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of	magery (B Surface ( s s x	X   Water-Sta   Aquatic Fi	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduct ( Surface ( Surface ) Delth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 teres on ced fron ction in T e (C7) ta (D9) Remarks) nches): nches):	) Living R (C4) illed Soil	Section (C3)  Se	ondary Indic Surface Soil Drainage Pa Dry-Season Crayfish Bui Saturation V Stunted or S Geomorphic FAC-Neutra	ators (minimum of to Cracks (B6) atterns (B10) Water Table (C2) rrows (C8) frisible on Aerial Imag Stressed Plants (D1) : Position (D2) I Test (D5)	wo requi

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APPENDIX L L-248 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA	SHEET -	Midwest R		Requirement Control Symbol EXEMPT
See ERDC/EL TR-07-24; the propor	ent agency	is CECW-	CO-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (O	RD)	City/Cou	nty: Chicago/	/Cook Sampling Date: 9/19/2019
Applicant/Owner: City of Chicago				State: IL Sampling Point: SE19-120 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, N	lead & Hunt, I	nc. Section,	Township, Ran	nge: Section 16, T40N, R12E
Landform (hillside, terrace, etc.): plain/flat		3.	Local relief (co	oncave, convex, none): none
Slope (%): <1% Lat: 41.95740369		Long: -	87.88201936	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly	level (Predom	ninantly Non-h	ydric (6%))	NWI classification:
Are climatic / hydrologic conditions on the site typical			Yes	No X (If no, explain in Remarks.)
Are Vegetation X , Soil X , or Hydrology		<del>-</del> 0.1000000		
Are Vegetation , Soil , or Hydrology	-0			olain any answers in Remarks.)
11CH 50 *****************************	-0. 00.1 19			
SOWWART OF FINDINGS – Attach site in	nap snowi	ng sampiii	ig point loc	cations, transects, important features, etc.
	No X		Sampled Aren a Wetland?	
A CONTRACTOR SECOND SEC	No X	With	ii a wellanu?	iesNuX
Remarks: Climatic/hydrologic conditions are not typical due to followed by grass seeding/meshing.	an above ave	rage amount	of rainfall durin	ng September 2019. Tree removal and grubbing in July
VEGETATION – Use scientific names of p	lants.			
Tree Stratum (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00 001	орожоз.		Number of Dominant Species That
2.				Are OBL, FACW, or FAC: 0 (A)
3.				Total Number of Dominant Species
4	-0			Across All Strata: 1 (B)
5			·	Percent of Dominant Species That
Conline/Chruh Stratum / Diet aire:	_	=Total Cover		Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size:			-	Prevalence Index worksheet:
2.	-			Total % Cover of: Multiply by:
3.				OBL species 3 x 1 = 3
4.				FACW species 7 x 2 = 14
5				FAC species 0 x 3 = 0
		=Total Cover		FACU species 85 x 4 = 340
Herb Stratum (Plot size: 5ft )				UPL species 5 x 5 = 25
1. Lolium perenne	85	Yes	FACU_	Column Totals: 100 (A) 382 (B)
2. Digitaria cognata	_ <u>5</u> 	No No	UPL FACW	Prevalence Index = B/A = 3.82
Elymus virginicus     Typha angustifolia	- 3	No	OBL	Hydrophytic Vegetation Indicators:
5. Persicaria lapathifolia		No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.				2 - Dominance Test is >50%
7.				3 - Prevalence Index is ≤3.0 <sup>1</sup>
8.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9	-0.0			data in Remarks or on a separate sheet)
10	-			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:	100	=Total Cover		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.			I	Hydrophytic
2				Vegetation
		=Total Cover		Present?
Remarks: (Include photo numbers here or on a sep Community Type: developed land HGM Type: Hyd		etation is not n	resent Solida	go sempervirens is also present

ENG FORM 6116-7-SG, JUL 2018 Midwest - Version 2.0

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SOIL									Sa	mpling Point:	SE19-120 UPL
Profile Desc	cription: (Describe	to the dept	h needed to do	cument t	he indic	ator or	confirm the	absence o	findicators	s.)	
Depth	Matrix		Rec	dox Featu	res		_				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text	ture		Remarks	
0-4	7.5YR 3/1	100					Loamy/	/Clayey		loamy clay	
4-22	7.5YR 3/1	100					Loamy/	/Clayey		clay loam	
22-24	10YR 4/1	100					Loamy/	/Clayey		clay loam	
1. 1.2					•				20	-	
						-	,		%		
	-				. —	-	. —				
-				-	• —	i i	. —				
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion RM=	Reduced Matrix	MS=Mas	sked San	d Grains	·	2l ocation:	PI =Pore I	ining, M=Matrix	<u> </u>
Hydric Soil I	· ·		Troduction matrix,	,			-			matic Hydric	
Histosol			Sandy G	Sleyed Mat	trix (S4)				Prairie Red		
	pipedon (A2)		Sandy R	edox (S5)	)			Iron-M	langanese l	Masses (F12)	
Black His	stic (A3)		Stripped	Matrix (S	i6)			Red P	Parent Mater	ial (F21)	
Hydroge	n Sulfide (A4)		Dark Sur	rface (S7)	į.			Very S	Shallow Darl	k Surface (F22)	)
Stratified	l Layers (A5)		Loamy N	Nucky Min	eral (F1)			Other	(Explain in	Remarks)	
2 cm Mu	ck (A10)		Loamy G	Sleyed Ma	ıtrix (F2)						
	d Below Dark Surface	∌ (A11)		d Matrix (F				2			
	ark Surface (A12)			ark Surfa					8 8 8	ytic vegetation	
	lucky Mineral (S1)	•		d Dark Sui		)			10.00	must be prese	81
	cky Peat or Peat (S3		Redox D	epression)	IS (F8)			uniess	alsturbea o	or problematic.	)
3600	Layer (if observed):										
Type:	- L \		_			ļ		. II B			N V
Depth (in	icnes).		_				Hydric Sc	oil Present?	Į.	Yes	No X
Remarks: Hydric soils a	are not present. Does	s not meet h	nydric soils criter	ria. Previ	ous visit i	n July o	bserved me	sh with seed	ding after tre	e removal.	
HYDROLO	ngy										
property and drawn arts	drology Indicators:										
NO. 10 19 79	cators (minimum of o		ed: check all the	at apply)				Secondary	v Indicators	(minimum of tw	vo required)
2009 0900 6	Water (A1)		PRIOR M. Mark	tained Lea	aves (B9)	<u> </u>			ce Soil Crac		
High Wa	ter Table (A2)		Aquatic	Fauna (B1	13)			Draina	age Patterns	s (B10)	
Saturation	on (A3)		True Aqı	uatic Plan	ts (B14)			Dry-Se	eason Wate	er Table (C2)	
	arks (B1)		70.00	n Sulfide					sh Burrows		
	t Deposits (B2)		2000	and the second		2012 1000	Roots (C3)			on Aerial Imag	7 3 8 8
	oosits (B3)			e of Redu		1901 - 911				ed Plants (D1)	
	t or Crust (B4)			ron Reduc		illed Soil	ils (C6)		orphic Posit	AL 67	
	osits (B5)	(57		ck Surface	The second			— FAC-N	Neutral Test	(D5)	
	on Visible on Aerial Ir			or Well Da		Č.					
- 1	Vegetated Concave	Surrace (D	8)Otner (=	xplain in F	Remarks)		<del></del>				
Field Obser Surface Wat			No. Y	Depth (	(inches):						
Water Table		s	No X No X	10.2074	(inches): _ (inches):		·				
Saturation P		s	No X	2000 00 00 00 00 00 00 00 00 00 00 00 00	(inches): _		·   Wetlan	d Hydrolog	v Present?	Yes	No X
(includes cap			7.	Dopa. (				u nyarara	y 1 100011.		7.
1 900 AND 1990	corded Data (stream	gauge, mo	nitoring well, aer	rial photos	s, previou	s insper	ctions), if av	ailable:			
	V700	3000 vo	3000 0		800		Roade				
Remarks:											
Wetland hyd	rology is neither pres	ent nor indi	cated.								

U.S. Army Corps of Engi				Requirement Control Symbol
WETLAND DETERMINATION DATA SHE				EXEMPT (A.M. : A.D. 205 (A.E
See ERDC/EL TR-07-24; the proponent ag	gency is C	ECW-CO-	-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD)		City/County:	Chicago/C	Cook or DuPage Sampling Date: 9/19/2019
Applicant/Owner: City of Chicago				State: IL Sampling Point: SE19-120 WE
Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & H	Hunt, Inc. S	ection, Town	nship, Rang	ge: Section 16, T40N, R12E
Landform (hillside, terrace, etc.): shallow basin		Loca	al relief (cor	ncave, convex, none): concave
Slope (%): <1% Lat: 41.95746304		-		<u></u>
Soil Map Unit Name: 805A - Orthents, clayey, nearly level (F				
Are climatic / hydrologic conditions on the site typical for this				No X (If no, explain in Remarks.)
Are Vegetation X , Soil X , or Hydrology signific				
Are Vegetation , Soil , or Hydrology natura				
SUMMARY OF FINDINGS – Attach site map sl				
The strain of th	nowing sa	ampining p	Joint loca	ations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes X No	_	Is the Sar	mpled Area	a
Hydric Soil Present? Yes X No	_	within a V	Wetland?	Yes X No
Wetland Hydrology Present? Yes X No				
Remarks:			:	- Cttt
Climatic/hydrologic conditions are not typical due to an abortion tree removal. Area not meshed.	ve average a	imount of ra	intali during	g September 2019. Cottonwood stumps present from
Because and construct an advance with those constructions. The properties of the construction of the entire construction of the construction of th				
<b>VEGETATION</b> – Use scientific names of plants.	olute Dor	ninant Inc	dicator	
The state of the s	garanter agree		A CONTRACTOR OF THE PROPERTY O	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species
4		<del></del>		Across All Strata: 1 (B)
5	=Tota	L Cover		Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size:)				740 0BE, 174000, 011740.
1				Prevalence Index worksheet:
2.			1.	Total % Cover of: Multiply by:
3				OBL species80 x 1 =80
4				FACW species 10 x 2 = 20
5		L Causer		FAC species 10 x 3 = 30 FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5ft )	=10ta	I Cover		FACU species 0 x 4 = 0  UPL species 0 x 5 = 0
	80 `	es (		Column Totals: 100 (A) 130 (B)
	10	No F	ACW	Prevalence Index = B/A = 1.30
3. Populus deltoides	10	No I	FAC	
4				Hydrophytic Vegetation Indicators:
5				X 1 - Rapid Test for Hydrophytic Vegetation
6	<del></del>			X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹
8.			— I ·	4 - Morphological Adaptations (Provide supporting
9.				data in Remarks or on a separate sheet)
10.			_	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	00 =Tota	l Cover	— II.	1 Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)				be present, unless disturbed or problematic.
1			[	Hydrophytic
2				Vegetation
		l Cover		Present? Yes X No No
Remarks: (Include photo numbers here or on a separate sl Community Type: wet meadow HGM Type: depressional Hydroph		is present. T	There is a cha	ange of 1-2feet in elevation over 30 ft between data points.

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Profile Des	scription: (Describe	to the de	pth needed to doc	ument t	he indic	ator or	confirm the a	absence o	findicators.	.)	
epth	Matrix		Redo	x Featu							
nches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Textu	re		Remarks	
0-10	7.5YR 2.5/1	100				_	Loamy/C	layey	8	silty clay loam	f
10-16	7.5YR 2.5/1	98	7.5YR 5/6	2	С	М			Prominen	t redox conce	entration
16-22	10YR 4/2	95	10YR 5/6	5		М			Prominen	t redox conce	entration
	-								26 - 25	layers are cl	Di.
				_					above 2	. layers are ci	ay loaili
	-		2		. —						
Type: C=0	Concentration, D=Dep	letion, RM	======================================	MS=Mas	ked San	d Grains		<sup>2</sup> Location:	PL=Pore Lir	ning, M=Matri	Χ.
1007-7	Indicators:		¥\$							natic Hydric	
Histoso	l (A1)		Sandy Gle	eyed Ma	trix (S4)			Coast	Prairie Redo	x (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)	)		•	Iron-M	anganese M	asses (F12)	
— Black ⊢	listic (A3)		Stripped M	Matrix (S	6)		•	Red P	arent Materia	al (F21)	
	en Sulfide (A4)		Dark Surfa				-	700000 AURO - 1000		Surface (F22	)
200000 20000	d Layers (A5)		Loamy Mu				-	Toronto and	(Explain in R		
	uck (A10)		Loamy Gl				-		a (8)		
	ed Below Dark Surface	(A11)	Depleted								
	ark Surface (A12)	and the second	X Redox Da				9	3Indicators	of hydrophy	tic vegetation	and
_	Mucky Mineral (S1)		Depleted		9 5	Y				must be pres	
	ucky Peat or Peat (S3	3)	Redox De			,			100 1000	problematic.	
ill dirt depo	osits overlayed a mixe			esent. H	lydric soil	ls indica	<b>Hydric Soi</b> tors Thick Da			Yes X	No_ urface (
Depth ( Remarks: ill dirt depo				esent. F	łydric soil	s indica	201-1000-0004 1000-0004				SE 2002
Depth ( Remarks: ill dirt depo re satisfied	osits overlayed a mixe d. (Midwest suppleme			esent. F	lydric soil	ls indica	201-1000-0004 1000-0004				SE 2002
Depth ( Remarks: ill dirt depore satisfied  YDROLO  Vetland Hy	osits overlayed a mixe d. (Midwest suppleme  OGY ydrology Indicators:	nt change	)		lydric soil	s indica	201-1000-0004 1000-0004				1000
Depth ( Remarks: ill dirt depore satisfied  YDROLO  Vetland Herimary Indianaly	osits overlayed a mixe d. (Midwest suppleme  OGY ydrology Indicators: licators (minimum of o	nt change	ired: check all that	apply)			tors Thick Da	rk Surface	(A12) and R	Redox Dark St	urface (
Depth ( remarks: ill dirt depore satisfied  YDROLO Vetland Hyrimary Ind Surface	osits overlayed a mixed. (Midwest suppleme	nt change	i <u>ired: check all that</u> Water-Sta	apply)	aves (B9)		tors Thick Da	rk Surface Secondary Surface	(A12) and R  Indicators (response)	minimum of to	urface (
Depth ( Remarks: ill dirt depore satisfied  YDROL  Vetland Hyrimary Ind  Surface  High W	osits overlayed a mixed. (Midwest suppleme  OGY  ydrology Indicators: licators (minimum of content of the conte	nt change	iired: check all thatWater-StaAquatic Fi	apply) ained Lea auna (B	aves (B9)		tors Thick Da	Secondary Surface	(A12) and R  Indicators (response) Cracking Patterns	minimum of to s (B6) (B10)	urface (
Depth ( emarks: ill dirt depore satisfied  YDROLU  Vetland Hyrimary Ind  Surface  High W  Saturati	osits overlayed a mixed. (Midwest suppleme  OGY ydrology Indicators: licators (minimum of cells water (A1) ater Table (A2) ion (A3)	nt change	i <u>ired: check all that</u> Water-StaAquatic Fi	apply) ained Lea auna (B' atic Plan	aves (B9) 13) ts (B14)		tors Thick Da	Secondary Surface Surface	(A12) and R  Indicators (re Soil Crack ge Patterns eason Water	minimum of to s (B6) (B10) Table (C2)	urface (
Depth ( Idemarks: ill dirt depore satisfied  YDROLU  Vetland Hyrimary Ind  Surface  High W  Saturati  Water N	osits overlayed a mixed. (Midwest suppleme  OGY  ydrology Indicators: iicators (minimum of or water (A1) ater Table (A2) ion (A3) Marks (B1)	nt change	iired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ained Lea auna (Br atic Plan Sulfide	aves (B9) 13) ts (B14) Odor (C1	)	tors Thick Da	Secondary Surface Draina Dry-Se Crayfis	(A12) and R  Indicators (r e Soil Crack ge Patterns eason Water sh Burrows ((	minimum of to s (B6) (B10) Table (C2) C8)	urface (
Depth ( Itemarks: ill dirt deprese satisfied  YDROLU  Vetland Hyrrimary Ind  Surface  High W  Saturati  Water N  Sedime	osits overlayed a mixed. (Midwest suppleme  OGY  ydrology Indicators: licators (minimum of color Water (A1) later Table (A2) lion (A3)  Warks (B1)  int Deposits (B2)	nt change	iired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I	apply) ained Lea auna (B' atic Plan Sulfide Rhizosph	aves (B9) 13) ts (B14) Odor (C1 neres on	) Living R	tors Thick Da	Secondary Surface Draina Dry-Se Crayfis	Indicators (respectively) and Respectively	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag	wo requ
Depth ( Itemarks: ill dirt deprese satisfied  YDROLU  Vetland Hyrrimary Ind  Surface  High W  Saturati  Water N  Sedime	osits overlayed a mixed. (Midwest suppleme  OGY  ydrology Indicators: iicators (minimum of or water (A1) ater Table (A2) ion (A3) Marks (B1)	nt change	iired: check all that Water-Sta Aquatic F: True Aqua Hydrogen Oxidized I	apply) ained Lea auna (Br atic Plan Sulfide Rhizosph of Redu	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron	) Living R (C4)	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura	Indicators (r e Soil Crack ge Patterns ason Water th Burrows (i tion Visible of d or Stresse	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1)	wo requ
Depth ( Remarks: ill dirt deprese satisfied  YDROLO  Vetland Hyrimary Ind Surface High W Saturati Water N Sedime Drift De Algal M	osits overlayed a mixed. (Midwest suppleme  OGY ydrology Indicators: licators (minimum of oce to Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) at or Crust (B4)	nt change	iired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I	apply) ained Lea auna (Br atic Plan Sulfide Rhizosph of Redu	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron	) Living R (C4)	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom	Indicators (r e Soil Crack ge Patterns asson Water sh Burrows (i tion Visible of d or Stresse orphic Positie	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
Depth ( Idemarks: ill dirt deprese satisfied  YDROLO  Vetland Hyrimary Inde  High W Saturati  Water N Sedime  Drift De  Algal M Iron De	osits overlayed a mixed. (Midwest suppleme  OGY ydrology Indicators: licators (minimum of ocur et Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) at or Crust (B4) posits (B5)	ntchange	ired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro	apply) ained Lea auna (B' atic Plan Sulfide Rhizosph of Redu on Redu	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron ction in Ti	) Living R (C4)	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom	Indicators (r e Soil Crack ge Patterns ason Water th Burrows (i tion Visible of d or Stresse	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
Depth ( emarks: ill dirt depore satisfied  YDROLO  /etland Hyrimary Ind Surface High W Saturati Water N Sedime Drift De Algal M Iron De Inundat	posits overlayed a mixed. (Midwest supplemed)  OGY  ydrology Indicators: licators (minimum of content of conte	nt change	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  17)  Gauge or	apply) ained Lea auna (B' atic Plan Sulfide Rhizosph of Redu on Redu c Surface Well Da	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron ction in Ti e (C7) ta (D9)	) Living R (C4) illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom	Indicators (r e Soil Crack ge Patterns asson Water sh Burrows (i tion Visible of d or Stresse orphic Positie	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
Depth ( emarks: ill dirt depore satisfied  YDROLO  /etland Hyrimary Ind Surface High W Saturati Water N Sedime Drift De Algal M Iron De Inundat	osits overlayed a mixed. (Midwest suppleme  OGY ydrology Indicators: licators (minimum of ocur et Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) at or Crust (B4) posits (B5)	nt change	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  17)  Gauge or	apply) ained Lea auna (B' atic Plan Sulfide Rhizosph of Redu on Redu c Surface Well Da	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron ction in Ti e (C7) ta (D9)	) Living R (C4) illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom	Indicators (r e Soil Crack ge Patterns asson Water sh Burrows (i tion Visible of d or Stresse orphic Positie	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
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Depth ( Remarks: ill dirt depore satisfied  YDROLO Vetland Hybrimary Ind Surface High W Saturati Water N Sedime Drift De Algal M Iron De Inundat Sparsel ileld Obse	posits overlayed a mixed. (Midwest supplemend). (Midwest supplemen	nt change  one is requ  magery (E Surface (	ired: check all that Water-Sta Aquatic F: True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Muck 17) Gauge or B8) Other (Ex	apply) ained Lea auna (Br atic Plan Sulfide Rhizosph of Redu c Surface Well Da plain in f	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron ction in Ti e (C7) ta (D9) Remarks)	) Living R (C4) illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom	Indicators (r e Soil Crack ge Patterns asson Water sh Burrows (i tion Visible of d or Stresse orphic Positie	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
Depth ( Remarks:  ill dirt depore satisfied  YDROLO  Vetland Hy  Primary Ind  Surface  High W  Saturati  Water N  Sedime  Drift De  Algal M  Iron De  Inundat  Sparsel  iteld Obse  Surface Wa	posits overlayed a mixed. (Midwest supplement)  OGY  ydrology Indicators: licators (minimum of content) ater Table (A2) ion (A3) warks (B1) ater Table (B2) eposits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial Inty Vegetated Concave rvations: ater Present? Yee	magery (B	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  37)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B' atic Plan Sulfide Rhizosph of Redu of Surfact Well Da plain in f	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron tition in Ti e (C7) ta (D9) Remarks) inches):	) Living R (C4) illed Soi	tors Thick Da	Secondary Surface Surface Draina Dry-Se Crayfie Satura Stunte X Geom X FAC-N	Indicators (r e Soil Crack ge Patterns asson Water sh Burrows (i tion Visible of d or Stresse orphic Positie	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	wo requ
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Depth ( Remarks:  Fill dirt deprive satisfied  YDROLC  Vetland High W Saturati Water N Sedime Drift De Algal M Iron Deat Sparsel  Field Obsessurface Water Table  Saturation I includes cal	posits overlayed a mixed. (Midwest supplement)  OGY  ydrology Indicators: licators (minimum of content) ater Table (A2) ion (A3) warks (B1) and Deposits (B2) apposits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial Inty Vegetated Concave  rvations: ater Present? Yee Present? Yee Present? Yee	magery (E Surface (	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irc — Thin Muck — Gauge of — B8) — Other (Ex	apply) ained Lei auna (B' atic Plan Sulfide Rhizosph of Redu of Surface ( Surface Well Da plain in I	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron oction in Ti e (C7) Remarks) inches): inches):	) Living R (C4) Illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom. X FAC-N	Indicators (respectively) and Resident Soli Cracking Patterns ason Water Shaurrows (respectively) and or Stresse orphic Positicular Test (	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	worequ
Depth ( Remarks:  Fill dirt depure satisfied  YDROLU  Vetland Hy Primary Ind Surface High W Saturati Water N Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wav Vater Table Saturation Is includes ca	osits overlayed a mixed. (Midwest suppleme d. (Midw	magery (E Surface (	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irc — Thin Muck — Gauge of — B8) — Other (Ex	apply) ained Lei auna (B' atic Plan Sulfide Rhizosph of Redu of Surface ( Surface Well Da plain in I	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron oction in Ti e (C7) Remarks) inches): inches):	) Living R (C4) Illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom. X FAC-N	Indicators (respectively) and Resident Soli Cracking Patterns ason Water Shaurrows (respectively) and or Stresse orphic Positicular Test (	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	woreau
Depth ( emarks: ill dirt deprese satisfied  YDROLU  Vetland Hyrimary Ind Surface High W Saturati Water N Sedime Drift De Inundat Sparsel leid Obse urface Wa aturation includes cescribe Released Released Released Released	osits overlayed a mixed. (Midwest suppleme d. (Midw	magery (E Surface (	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irc — Thin Muck — Gauge of — B8) — Other (Ex	apply) ained Lei auna (B' atic Plan Sulfide Rhizosph of Redu of Surface ( Surface Well Da plain in I	aves (B9) 13) ts (B14) Odor (C1 neres on ced Iron oction in Ti e (C7) Remarks) inches): inches):	) Living R (C4) Illed Soi	tors Thick Da	Secondary Surface Draina Dry-Se Crayfie Satura Stunte X Geom. X FAC-N	Indicators (respectively) and Resident Soli Cracking Patterns ason Water Shaurrows (respectively) and or Stresse orphic Positicular Test (	minimum of to s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	woreau

U.S. Army Corps of E WETLAND DETERMINATION DATA S See ERDC/EL TR-07-24; the proponer	SHËET - N	/lidwest R		Requirem (Authority: AR	ent Control Sy EXEMPT 335-15, parag	
Project/Site: Chicago O'Hare International Airport (ORD	))	City/Cou	nty: Chicago/	Cook	Sampling Date:	9/23/2019
Applicant/Owner: City of Chicago				State: IL	•	
Investigator(s): Brauna Hartzell, Conor Makepeace, Mea	ad & Hunt In	c Section	Townshin Rai		N	
Landform (hillside, terrace, etc.): toeslope	ad or ridite, iii			incave, convex, none)		
			37.87778066			
Slope (%): <1% Lat: 41.96252168				000000000000000000000000000000000000000		
Soil Map Unit Name: 805A - Orthents, clayey, nearly let						
Are climatic / hydrologic conditions on the site typical fo				No X (If no, ex		
Are Vegetation, Soil_X_, or Hydrologys						10
Are Vegetation, Soil, or Hydrologyn	aturally prob	lematic? (I	f needed, expl	lain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showin	g samplin	g point loc	ations, transects	s, important fe	atures, etc.
Hydrophytic Vegetation Present?         Yes X         No           Hydric Soil Present?         Yes X         No           Wetland Hydrology Present?         Yes No			Sampled Are n a Wetland?		No X	
Remarks: Climatic/hydrologic conditions are not typical due to ar some construction activities and fill for service road off					pparently impacted	by
VEGETATION – Use scientific names of plan						
Tree Stratum (Plot size: 30 ft )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	arkehoot:	
1. Rhamnus cathartica	85	Yes	FAC	Number of Dominant		
2.				Are OBL, FACW, or	Acres de acres	3 (A)
3.			<u> </u>	Total Number of Don Across All Strata:	ninant Species	4 (B)
5.				Percent of Dominant	Species That	
	85 =	Total Cover		Are OBL, FACW, or		<u>'5.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15ft )	20	W	FA0	B I		
1. Rhamnus cathartica 2.	20	Yes	FAC_	Prevalence Index w Total % Cover of		v bve
					of: Multipl 5 x 1 =	5 5
3			<del></del>		10 x 2 =	20
5.				F1000 1000	07 x 3 =	321
	20 =	Total Cover		(4)	30 x 4 =	120
Herb Stratum (Plot size: 5ft )				UPL species	0 x 5 =	0
Glechoma hederacea	30	Yes	FACU	Column Totals: 1	52 (A)	466 (B)
2. Solidago sempervirens	10	Yes	FACW	Prevalence Index	= B/A =3.0	7
Persicaria hydropiper	5	No	OBL			
4. Rhamnus cathartica	2	No	FAC	Hydrophytic Vegeta		
5				989	r Hydrophytic Vege	etation
6	-			X 2 - Dominance T	Andrews Street, Street	
7.				3 - Prevalence Ir		3.7.
8					l Adaptations¹ (Pro ks or on a separate	
9					rophytic Vegetation	
	47 =	Total Cover	-	<sup>1</sup> Indicators of hydric	soil and wetland hy	drology must
Woody Vine Stratum (Plot size:)			-	be present, unless di	sturbed or problem	atic.
1			——	Hydrophytic		
		T-1-1 0		Vegetation	V N-	

Midwest - Version 2.0

APPENDIX L L-253 NOVEMBER 2022

Remarks: (Include photo numbers here or on a separate sheet.)

Community Type: HGM Type: depressional Hydrophytic vegetation is present; mostly bare soil.

Profile Description: (Describe to the depth needed to document the indicator	Actor or confirm the absence of indicators.)    Loc²   Texture   Remarks     Loamy/Clayey   Clay loam     Loamy/Clayey   Clay loam     M   Prominent redox concentration     Loamy/Clayey   Clay loam
(inches)         Color (moist)         %         Color (moist)         %         Type¹           0-5         10YR 3/1         100	Loamy/Clayey clay loam Loamy/Clayey clay loam M Prominent redox concentration
(inches)         Color (moist)         %         Color (moist)         %         Type¹           0-5         10YR 3/1         100	Loamy/Clayey clay loam Loamy/Clayey clay loam M Prominent redox concentration
0-5	Loamy/Clayey clay loam Loamy/Clayey clay loam M Prominent redox concentration
5-10 10YR 3/1 70 10YR 4/2 25 10YR 4/6 5 C 10-12 10YR 2/1 100  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand	Loamy/Clayey clay loam  M Prominent redox concentration
10YR 4/2 25 10YR 4/6 5 C  10-12 10YR 2/1 100  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand	M Prominent redox concentration
10-12 10YR 2/1 100  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand	Loamy/Clayey clay loam
A SERVICE TO CENTE A TO VIA OFFICE OFFICE P	d Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators:	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2) Sandy Redox (S5)	Iron-Manganese Masses (F12)
Black Histic (A3) Stripped Matrix (S6)	Red Parent Material (F21)
Hydrogen Sulfide (A4) Dark Surface (S7)	Very Shallow Dark Surface (F22)
Stratified Layers (A5) Loamy Mucky Mineral (F1)	Other (Explain in Remarks)
2 cm Muck (A10) Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11) Depleted Matrix (F3)	
Thick Dark Surface (A12) X Redox Dark Surface (F6)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)	) wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3) Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if observed):	
Type:	
Depth (inches):	Hydric Soil Present? Yes X No
Remarks:	
IYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two requi
Surface Water (A1) Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2) Aquatic Fauna (B13)	Drainage Patterns (B10)
Saturation (A3) True Aquatic Plants (B14)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on L	Living Roots (C3) Saturation Visible on Aerial Imagery (C9
and any and to " assessment " "	(C4) Stunted or Stressed Plants (D1)
Drift Deposits (B3) Presence of Reduced Iron (	
Drift Deposits (B3)Presence of Reduced Iron (0 Algal Mat or Crust (B4) Recent Iron Reduction in Till	illed Soils (C6) Geomorphic Position (D2)
Algal Mat or Crust (B4) Recent Iron Reduction in Till	Geomorphic Position (D2)  X FAC-Neutral Test (D5)
Algal Mat or Crust (B4) Recent Iron Reduction in Till Iron Deposits (B5) Thin Muck Surface (C7)	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4) Recent Iron Reduction in Till Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  The Muck Surface (C7)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes  No  Recent Iron Reduction in Till  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes  No  X  Depth (inches):  Water Table Present?  Yes  No  X  Depth (inches):	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):	X FAC-Neutral Test (D5)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):  (includes capillary fringe)	X FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):	X FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	X FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  X  Depth (inches):  Saturation Present?  Yes  No  X  Depth (inches):  (includes capillary fringe)	X FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

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APPENDIX L L-254 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET – Mid		Requirement Control Symbol EXEMPT (Authority: AR 335-15, paragraph 5-2a)
See ENDO/EE 111-07-24, the proporte	rit agency is c	DECVV-CO-IX	(Authority: Alt 355-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (OR	D)	City/County: Chicago	o/Cook or DuPage Sampling Date: 9/23/2019
Applicant/Owner: City of Chicago			State: IL Sampling Point: SE19-125 W
Investigator(s): Brauna Hartzell, Conor Makepeace, Me			300
Landform (hillside, terrace, etc.): basin		Local relief (c	concave, convex, none): concave
Slope (%): <1% Lat: 41.96244715		Long: -87.87782308	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly le	vel (Predominan	tly Non-hydric (6%))	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical f	or this time of yea	ar? Yes	No X (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology:	significantly distu	rbed? Are "Normal C	Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problem	atic? (If needed, ex	plain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	ap showing s	ampling point lo	cations, transects, important features, etc
Hydric Soil Present? Yes X No	<u></u>	Is the Sampled Ar within a Wetland?	
Wetland Hydrology Present? Yes X No Remarks:	<u> </u>		
Climatic/hydrologic conditions are not typical due to a	n above average	amount of rainfall duri	ng September 2019.
VEGETATION – Use scientific names of pla			
<u>Tree Stratum</u> (Plot size: 30 ft )		ominant Indicator pecies? Status	Dominance Test worksheet:
Rhamnus cathartica	25	Yes FAC	Number of Dominant Species That
2.			Are OBL, FACW, or FAC: 3 (A)
3.			Total Number of Dominant Species
4			Across All Strata: 3 (B)
5. Sapling/Shrub Stratum (Plot size: 15ft		al Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
1. Rhamnus cathartica		Yes FAC	Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
3.			OBL species0 x 1 =0
4.			FACW species 70 x 2 = 140
5			FAC species 30 x 3 = 90
	5=Tot	al Cover	FACU species0 x 4 =0
Herb Stratum (Plot size: 5ft )	70	Yes FACW	UPL species 0 x 5 = 0  Column Totals: 100 (A) 230 (B)
Phragmites australis     Phragmites australis		Tes FACV	Column Totals: 100 (A) 230 (B)  Prevalence Index = B/A = 2.30
3.			Hydrophytic Vegetation Indicators:
5.			1 - Rapid Test for Hydrophytic Vegetation
6.			X 2 - Dominance Test is >50%
7.			X 3 - Prevalence Index is ≤3.01
8.			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9			data in Remarks or on a separate sheet)
10			Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size:	=Tot	al Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.		<del></del>	Hydrophytic
2.			Vegetation
		al Cover	Present? Yes X No

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APPENDIX L L-255 NOVEMBER 2022

	cription: (Describe t	to the aep				ator or c	ontirm the a	absence u	of indicator	s.)	
Depth	Matrix		CONTRACT OF THE CONTRACT	x Featur		1 2				-	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Туре	Loc <sup>2</sup>	Textu	1000		Remarks	
0-14	7.5YR 2.5/1	100		·		-	Loamy/C	layey		clay	
14-20	10YR 5/2	95	10YR 5/6	5		<u>M</u>	Loamy/C	layey	Promine	ent redox conce	ntrations
<sup>1</sup> Type: C=C	oncentration, D=Depl	etion, RM=	=Reduced Matrix,	 MS=Mas	ked San	d Grains		<sup>2</sup> Location	PL=Pore L	ining, M=Matrix	C.
Hydric Soil I	V									ematic Hydric	
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		_	Coas	t Prairie Rec	lox (A16)	
Histic Ep	pipedon (A2)		Sandy Re	dox (S5)	ĺ		-	Iron-N	/langanese l	Masses (F12)	
Black His	stic (A3)		Stripped I	∕latrix (S	6)			Red F	Parent Mater	rial (F21)	
Hydroge	n Sulfide (A4)		Dark Surf	ace (S7)			<del>-</del>	Very	Shallow Dar	k Surface (F22)	)
Stratified	Layers (A5)		Loamy Mu	icky Min	eral (F1)			Other	(Explain in	Remarks)	
2 cm Mu	ck (A10)		Loamy Gl	eyed Ma	trix (F2)						
Depleted	l Below Dark Surface	(A11)	Depleted	Matrix (F	3)						
X Thick Da	rk Surface (A12)		Redox Da	rk Surfac	ce (F6)		9	3Indicator	s of hydroph	ytic vegetation	and
	lucky Mineral (S1)		Depleted	Dark Sur	rface (F7)	)		wetla	nd hydrology	y must be prese	ent,
5 cm Mu	cky Peat or Peat (S3	)	Redox De	pression	ıs (F8)			unles	s disturbed	or problematic.	
Restrictive I	Layer (if observed):										
Type:											
Depth (in	nches):	oils indicat	or Thick Dark Sur	face (A1	2) is satis	sfied.	Hydric Soi	l Present	?	Yes X	No
Depth (in Remarks: Hydric soils a	are present. Hydric s	oils indicat	tor Thick Dark Sur	face (A1	2) is satis	sfied.	Hydric Soi	l Present	?	Yes X	No
Depth (in Remarks: Hydric soils a	are present. Hydric s	oils indical	tor Thick Dark Sur	face (A1	2) is satis	sfied.	Hydric Soi	l Present	?	Yes X	No
Depth (in Remarks: Hydric soils a	are present. Hydric s				2) is satis	sfied.		0.00		_	335
Depth (in Remarks: Hydric soils a	oGY drology Indicators:		red: check all that	apply)				<u>Secondar</u>	y Indicators	(minimum of tw	335
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary India Surface	oGY drology Indicators: cators (minimum of o		red: check all that Water-Sta	apply)	aves (B9)			<u>Secondar</u> Surfa	y Indicators ce Soil Crac	(minimum of tw	335
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyt Primary India Surface High Wa	drology Indicators: cators (minimum of o		red: check all that Water-Sta Aquatic F	apply) ained Lea auna (B1	aves (B9)			<u>Secondar</u> Surfa Drain	<u>v Indicators</u> ce Soil Crac age Patterns	(minimum of tw	335
Depth (in Remarks: Hydric soils a High Wa Saturatio	drology Indicators: cators (minimum of o		red: check all that Water-Sta	apply) ained Lea auna (B1 atic Plant	aves (B9) 13) ts (B14)			Secondar Surfa Drain Dry-S	<u>v Indicators</u> ce Soil Crac age Patterns	(minimum of tw cks (B6) s (B10) er Table (C2)	400
Depth (in Remarks: Hydric soils a Hy	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3)		red: check all thatWater-SteAquatic FTrue Aqua	apply) ained Lea auna (B1 atic Plant Sulfide (	aves (B9) 13) ts (B14) Odor (C1	)		Secondar Surfa Drain Dry-S Crayf	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows	(minimum of tw cks (B6) s (B10) er Table (C2)	vo require
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen	or present. Hydric solutions: cators (minimum of o) Water (A1) ter Table (A2) on (A3) arks (B1)		red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	aves (B9) 13) ts (B14) Odor (C1 neres on I	) Living R		Secondar Surfa Drain Dry-S Crayf	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible	(minimum of tw cks (B6) s (B10) er Table (C2) (C8)	vo require
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2)		red: check all that  Water-Ste  Aquatic F  True Aque  Hydrogen  Oxidized	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron (	) Living R	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible	(minimum of two	vo require
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary India Surface ' High Wa Saturatic Water M Sedimen Drift Dep Algal Ma	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) it Deposits (B2) iosits (B3)		red: check all that  Water-Sta  Aquatic F  True Aqua Hydrogen Oxidized Presence	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Reduc	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti	) Living R	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns deason Wate ish Burrows ation Visible ed or Stress	(minimum of two	vo require
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary Indic Surface ' High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) oosits (B3) t or Crust (B4)	ne is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Muck	apply) ained Lea auna (B1 sulfide ( Rhizosph of Reduon Reduon Reduon	aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7)	) Living R	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two	vo require
Depth (in Remarks: Hydric soils at High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundation	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) tosits (B3) t or Crust (B4) osits (B5)	ne is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Redu c Surface Well Dat	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two	vo require
Depth (in Remarks: Hydric soils at High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundation	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) tosits (B3) t or Crust (B4) osits (B5) on Visible on Aerial Ir	ne is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Redu c Surface Well Dat	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two	vo require
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary Indic Surface ' High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) tosits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:	ne is requi magery (B7 Surface (E	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide e Rhizosph of Reduce on Reduce s Surface Well Dat plain in F	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two	vo require
Depth (in Remarks: Hydric soils a HYDROLO Wetland Hyd Primary India Surface o High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Observi	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) osits (B3) tt or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye	ne is requi magery (B7 Surface (E	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  Gauge or  38)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduc of Reduc t Surface Well Dat plain in F	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7) ta (D9) Remarks)	) Living Ri (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two	vo require
Depth (in Remarks: Hydric soils a Hydric soils a Hydric soils a Wetland Hye Primary Indic Surface o High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Water Water M	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye Present? Ye	ne is requi magery (B7 Surface (E	red: check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized   Presence Recent Int Thin Muck T) Gauge or 38) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc c Surface Well Dai plain in F	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( tition in Ti e (C7) ta (D9) Remarks) inches): _	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur X Geon X FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	(minimum of two less (B6) s (B10) er Table (C2) (C8) er on Aerial Imag ered Plants (D1) tion (D2) t (D5)	o require
Depth (in Remarks: Hydric soils at High Water M Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Water Table	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) it Deposits (B2) oosits (B3) tor Crust (B4) oosits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye resent? Ye	magery (B7 Surface (E s	red: check all that  Water-Sta Aquatic F. True Aqua Hydrogen Oxidized   Presence Recent Ird Thin Muck Y) Gauge or Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc c Surface Well Dai plain in F	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7) ta (D9) Remarks) inches): _inches):	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur X Geon X FAC-	y Indicators ce Soil Crac age Patterns leason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	(minimum of two less (B6) s (B10) er Table (C2) (C8) er on Aerial Imag (ed Plants (D1) tion (D2) t (D5)	vo require
Depth (in Remarks: Hydric soils a HYDROLO Wetland Hy Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wat Water Table Saturation Princludes cap	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) it Deposits (B2) oosits (B3) tor Crust (B4) oosits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye resent? Ye	magery (B7 Surface (E s s	red: check all that  Water-Sta Aquatic F. True Aqua Hydrogen Oxidized I Presente Recent Ind Thin Muck Other (Ex  No X No X No X  No X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc or Surface Well Dat plain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1 eres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): inches):	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon X FAC-	y Indicators ce Soil Crac age Patterns leason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	(minimum of two less (B6) s (B10) er Table (C2) (C8) er on Aerial Imag (ed Plants (D1) tion (D2) t (D5)	vo require
Depth (in Remarks: Hydric soils a HYDROLO Wetland Hy Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wat Water Table Saturation Princludes cap	drology Indicators: cators (minimum of or	magery (B7 Surface (E s s	red: check all that  Water-Sta Aquatic F. True Aqua Hydrogen Oxidized I Presente Recent Ind Thin Muck Other (Ex  No X No X No X  No X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc or Surface Well Dat plain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1 eres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): inches):	) Living R (C4) illed Soil	oots (C3)	Secondar Surfa Drain Dry-S Crayf Satur Stunt X Geon X FAC-	y Indicators ce Soil Crac age Patterns leason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	(minimum of two less (B6) s (B10) er Table (C2) (C8) er on Aerial Imag (ed Plants (D1) tion (D2) t (D5)	vo require

WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET -	Midwest R	173	1 -	ent Control S EXEMPT 335-15, para	-	
See LINDO/LL 111-07-24, the proporte	ent agency	15 CLCVV-	00-10	(Authority, Art	555-15, para	grapm	J-2a)
Project/Site: Chicago O'Hare International Airport (OF	RD)	City/Cou	nty: Chicago	/Cook	Sampling Date	e: <u>9/20</u>	/2019
Applicant/Owner: City of Chicago				State: IL	Sampling Poir	it: SE	62 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, Me	ead & Hunt, Ir	c. Section, 1	Γownship, Rar	nge: Section 16, T40N	, R12E		
Landform (hillside, terrace, etc.): island/peninsula			Local relief (co	oncave, convex, none):	convex		
Slope (%): <1% Lat: 41.95954979		Long: -	87.88103459		Datum: WGS84		
Soil Map Unit Name: 805A - Orthents, clayey, nearly I	evel (Predom	ninantly Non-h	ydric (6%))	NWI classi	fication:		
Are climatic / hydrologic conditions on the site typical				No X (If no, exp	·		
Are Vegetation, Soil, or Hydrology							
Are Vegetation, Soil, or Hydrology	naturally pro	hlematic? (		plain any answers in Re			_
SUMMARY OF FINDINGS – Attach site m				(a)	6	ooturo	s oto
SOMMART OF FINDINGS - Attach site in	iap silowii	ily sampiili	ig politi lot	cations, transects	, important i	eature	5, etc.
Hydrophytic Vegetation Present? Yes X	lo	Is the	Sampled Are	ea			
Hydric Soil Present? Yes N	o X	within	n a Wetland?	Yes	No X		
Wetland Hydrology Present? Yes X N	<u> </u>						
Remarks:	an ahaya aya	rogo omount	of rainfall durin	og Captambar 2010			
Climatic/hydrologic conditions are not typical due to a	an above ave	rage amount	oi raiinali uuni	ig September 2019.			
VEGETATION – Use scientific names of pla	ants						
Table to the finance of particle of partic	Absolute	Dominant	Indicator				
Tree Stratum (Plot size:)	% Cover		Status	Dominance Test wo	rksheet:		
1.				Number of Dominant	Species That		
2.				Are OBL, FACW, or F	AC:	3	(A)
3.	o <del></del>		·	Total Number of Dom	inant Species		
4	a <del></del>			Across All Strata:	_	4	_(B)
5	ı <del></del>			Percent of Dominant		==	
Outline (Obstate Obstate ASS		=Total Cover		Are OBL, FACW, or F	-AC: _	75.0%	<b>-</b> (A/B)
Sapling/Shrub Stratum (Plot size: 15ft 1. Rhamnus cathartica	,) 90	Yes	FAC	Prevalence Index wo	arkshoot:		
Lonicera X bella	10	No	FACU	Total % Cover of		iply by:	
3		110	17.00	OBL species 0		0	_
4.	ı <del></del>		( <del></del>	FACW species 3		70	-
5.	0		·	FAC species 10	ent enter	306	_
	100	=Total Cover		FACU species 2	0 x 4 =	80	_
Herb Stratum (Plot size: 5ft )				UPL species 2	0 x 5 =	100	_
Solidago sempervirens	20	Yes	FACW	Column Totals: 17	77 (A)	556	(B)
2. Geum aleppicum	15	Yes	FACW	Prevalence Index	= B/A =3	.14	_
3. Dipsacus laciniatus	15	Yes	UPL				
4. Rhamnus cathartica	10	No	FAC	Hydrophytic Vegetat			
5. Solidago canadensis	5	No	FACU	1 - Rapid Test for	150 1/ 5 1	getation	
6. Cirsium arvense		No_	FACU_	X 2 - Dominance Te	a carriedores acuta consti		
7. Leucanthemum vulgare	5	No No	UPL	3 - Prevalence Ind 4 - Morphological			
8. Eupatorium serotinum		No	FAC		Adaptations (P		0.500.50
9. 10.			. <del></del>	Problematic Hydr	52		,
10.	77	=Total Cover			0 0	1050 85	
Woody Vine Stratum (Plot size:	)	- rotal Covel		<sup>1</sup> Indicators of hydric s be present, unless dis			/ must
1.				Hydrophytic	,		
2.				Vegetation			
		=Total Cover		Present? Yes	X No		
Remarks: (Include photo numbers here or on a sepa Community Type: upland forest HGM Type: N/A Hydroph		n is present: 20	% hara soil ^h	out 1 2ft higher than naire	ad watland point o	nd 20 <del>0</del> on	

Midwest - Version 2.0

APPENDIX L L-257 NOVEMBER 2022

2 24 42 42 42 44 44 44 44 44 44 44 44 44	Antrice			01 01 0	onfirm the absence o	
	Matrix noist) %	Redox Fea		Loc <sup>2</sup>	Toytura	Domorko
nches) Color (m		Color (moist) %	6 Type	LUC	Texture	Remarks
0-4 10YR 3					Loamy/Clayey	loamy clay
4-16 10YR 4	4/2 100				Loamy/Clayey	
			==			
ype: C=Concentration,	D=Depletion, RM	=Reduced Matrix, MS=M	/lasked Sand	Grains.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
ydric Soil Indicators:					Indicators	s for Problematic Hydric Soils <sup>3</sup>
Histosol (A1)		Sandy Gleyed N	Matrix (S4)		Coast	Prairie Redox (A16)
Histic Epipedon (A2)		Sandy Redox (	S5)		Iron-M	langanese Masses (F12)
Black Histic (A3)		Stripped Matrix	(S6)		Red F	Parent Material (F21)
Hydrogen Sulfide (A4)	)	Dark Surface (S	S7)		Very S	Shallow Dark Surface (F22)
Stratified Layers (A5)		Loamy Mucky M	Mineral (F1)		Other	(Explain in Remarks)
2 cm Muck (A10)		Loamy Gleyed	Matrix (F2)			
Depleted Below Dark	Surface (A11)	Depleted Matrix	(F3)			
Thick Dark Surface (A	<b>A12</b> )	Redox Dark Sui	rface (F6)		<sup>3</sup> Indicators	of hydrophytic vegetation and
 Sandy Mucky Mineral	(S1)	Depleted Dark S	Surface (F7)		wetlar	nd hydrology must be present,
5 cm Mucky Peat or F	Peat (S3)	Redox Depress	ions (F8)		unless	s disturbed or problematic.
testrictive Layer (if obs	erved):					
Туре:						
Depth (inches):					Hydric Soil Present?	YesNo
Data point is on a peninsu	ula into the wetlan	d. Hydric soils are not pr	resent. Does	not me	et hydric soils criteria.	
Data point is on a peninsu	ula into the wetlan	d. Hydric soils are not pr	resent. Does	not mee	et hydric soils criteria.	
YDROLOGY		d. Hydric soils are not pr	resent. Does	not mee	et hydric soils criteria.	
YDROLOGY Vetland Hydrology India	cators:			not mee		Undicators (minimum of two rea
YDROLOGY Wetland Hydrology Indic Primary Indicators (minim	cators:	ired; check all that apply	<i>(</i> )	not mee	<u>Secondan</u>	/ Indicators (minimum of two reg
YDROLOGY Wetland Hydrology Indic Primary Indicators (minim Surface Water (A1)	cators: num of one is requ	ired: check all that apply Water-Stained I	() Leaves (B9)	not mee	<u>Secondar</u> , Surfac	ce Soil Cracks (B6)
YDROLOGY  Wetland Hydrology Indice  Primary Indicators (minim Surface Water (A1) High Water Table (A2	cators: num of one is requ	ired: check all that apply  Water-Stained I	/) Leaves (B9) (B13)	not med	Secondan Surfac	ce Soil Cracks (B6) age Patterns (B10)
YDROLOGY  Wetland Hydrology Indic  Primary Indicators (minim  Surface Water (A1)  High Water Table (A2  Saturation (A3)	cators: num of one is requ	ired: check all that apply  Water-Stained I  Aquatic Fauna  True Aquatic Pl	/) Leaves (B9) (B13) lants (B14)	not mee	Secondan Surfac Draina Dry-S	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	cators: num of one is requ 2)	ired: check all that apply  Water-Stained I  Aquatic Fauna I  True Aquatic PI  Hydrogen Sulfid	/) Leaves (B9) (B13) lants (B14) de Odor (C1)		Secondan Surfac Draina Dry-Si Crayfi	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	cators: num of one is requ 2)	ired; check all that apply  Water-Stained    Aquatic Fauna    True Aquatic Pl  Hydrogen Sulfic  Oxidized Rhizo:	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on L	ving Ro	Secondary	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	cators: num of one is requ 2) 32)	ired: check all that apply  Water-Stained    Aquatic Fauna    True Aquatic Pl  Hydrogen Sulfic  Oxidized Rhizos	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (G	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C ed or Stressed Plants (D1)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4)	cators: num of one is requ 2) 32)	ired: check all that apply Water-Stained I Aquatic Fauna of the Advantic Pl Hydrogen Sulfic Oxidized Rhizoo	/) Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (C) duction in Till	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced or Stressed Plants (D1) corphic Position (D2)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	cators: num of one is requ 2) 32)	ired: check all that apply Water-Stained I Aquatic Fauna a True Aquatic PI Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rei	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (C) duction in Till face (C7)	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C ed or Stressed Plants (D1)
YDROLOGY  Vetland Hydrology Indic  Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Inundation Visible on	cators: hum of one is requ 2) 32) 4) Aerial Imagery (B	ired; check all that apply  Water-Stained I  Aquatic Fauna I  True Aquatic PI  Hydrogen Sulfic  Oxidized Rhizos  Presence of Re  Recent Iron Res  Thin Muck Surf  7)  Gauge or Well	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (C) duction in Till face (C7) Data (D9)	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced or Stressed Plants (D1) corphic Position (D2)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Inundation Visible on Sparsely Vegetated C	cators: hum of one is requ 2) 32) 4) Aerial Imagery (B	ired; check all that apply  Water-Stained I  Aquatic Fauna I  True Aquatic PI  Hydrogen Sulfic  Oxidized Rhizos  Presence of Re  Recent Iron Res  Thin Muck Surf  7)  Gauge or Well	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (C) duction in Till face (C7) Data (D9)	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced or Stressed Plants (D1) corphic Position (D2)
YDROLOGY  Vetland Hydrology India Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Inundation Visible on Sparsely Vegetated C Sield Observations:	cators: num of one is requ 2) 32) 4) Aerial Imagery (B	ired: check all that apply Water-Stained I Aquatic Fauna I True Aquatic PI Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rei Thin Muck Surfi Gauge or Well I B8) Other (Explain i	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (duction in Till face (C7) Data (D9) in Remarks)	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced or Stressed Plants (D1) corphic Position (D2)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Inundation Visible on Sparsely Vegetated C Field Observations: Surface Water Present?	cators: num of one is requ  2)  32)  4)  Aerial Imagery (B Concave Surface (	ired: check all that apply Water-Stained I Aquatic Fauna I True Aquatic PI Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rei Thin Muck Surfi Gauge or Well I B8) Other (Explain i	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leaduced Iron (C) duction in Till face (C7) Data (D9) in Remarks)	ving Ro	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced or Stressed Plants (D1) corphic Position (D2)
YDROLOGY  Vetland Hydrology Indicators (minimary Indicators (minimary Indicators (minimary Indicators)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on  Sparsely Vegetated Company (Minimary Indicators)  Field Observations:  Surface Water Present?	cators:  lum of one is requ  2)  32)  4)  Aerial Imagery (B Concave Surface (  Yes Yes	ired: check all that apply Water-Stained I Aquatic Fauna True Aquatic PI Hydrogen Sulfic Oxidized Rhizo: Presence of Re Recent Iron Rei Thin Muck Surfi Odher (Explain i No X Depti	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leduced Iron (C) duction in Till ace (C7) Data (D9) in Remarks) th (inches):th (inches):th (inches):	ving Ro 34) ed Soil:	Secondari Surfac Draina Dry-S Crayfi Sature Stunte s (C6) Geom	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce) d or Stressed Plants (D1) corphic Position (D2) Neutral Test (D5)
YDROLOGY  Vetland Hydrology Indic Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B5) Inundation Visible on Sparsely Vegetated C Field Observations: Surface Water Present? Vater Table Present?	cators: num of one is requ  2)  32)  4)  Aerial Imagery (B Concave Surface (	ired: check all that apply Water-Stained I Aquatic Fauna True Aquatic PI Hydrogen Sulfic Oxidized Rhizo: Presence of Re Recent Iron Rei Thin Muck Surfi Odher (Explain i No X Depti	Leaves (B9) (B13) lants (B14) de Odor (C1) spheres on Leaduced Iron (C) duction in Till face (C7) Data (D9) in Remarks)	ving Ro 34) ed Soil:	Secondan	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce) d or Stressed Plants (D1) corphic Position (D2) Neutral Test (D5)
YDROLOGY  Vetland Hydrology Indicators (minimary Indicators (minimary Indicators (minimary Indicators)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on  Sparsely Vegetated Company (Minimary Indicators)  Field Observations:  Surface Water Present?	cators:  2)  32)  4)  Aerial Imagery (B Concave Surface (  Yes Yes Yes Yes Yes Yes Yes	ired: check all that apply  Water-Stained    Aquatic Fauna    True Aquatic PI  Hydrogen Sulfic  Oxidized Rhizo:  Presence of Ree  Recent Iron Ree  Thin Muck Surfi  7) Gauge or Well    B8) Other (Explain i  No X Depti No X Depti	Leaves (B9) (B13) (B14) de Odor (C1) spheres on Leduced Iron (Cd) duction in Till face (C7) Data (D9) in Remarks) (Ch (inches):	ving Ro	Secondan Surfac Draina Dry-Si Crayfi pots (C3) Sature Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce) d or Stressed Plants (D1) corphic Position (D2) Neutral Test (D5)
YDROLOGY  Vetland Hydrology Indicators (minimary Indicators (minimary Indicators (minimary Indicators)  High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Sparsely Vegetated Comparisely Vegetate	cators:  2)  32)  4)  Aerial Imagery (B Concave Surface (  Yes Yes Yes Yes Yes Yes	ired: check all that apply  Water-Stained    Aquatic Fauna    True Aquatic PI  Hydrogen Sulfic  Oxidized Rhizo:  Presence of Ree  Recent Iron Ree  Thin Muck Surfi  7) Gauge or Well    B8) Other (Explain i  No X Depti No X Depti	Leaves (B9) (B13) (B14) de Odor (C1) spheres on Leduced Iron (Cd) duction in Till face (C7) Data (D9) in Remarks) (Ch (inches):	ving Ro	Secondan Surfac Draina Dry-Si Crayfi pots (C3) Sature Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce) d or Stressed Plants (D1) corphic Position (D2) Neutral Test (D5)

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET – Mi		17.5	Requir (Authority:	EXE	Control Sy MPT 15, parag		5-2a)
Project/Site: Chicago O'Hare International Airport (OR Applicant/Owner: City of Chicago	25 16 1001 10 01	-	2 100000 20-	State: IL	Sar	mpling Date:		
Investigator(s): Brauna Hartzell, Conor Makepeace, Me		= "		-				
Landform (hillside, terrace, etc.): basin				ncave, convex, no				
Slope (%): <1% Lat: 41.95953082				(990079177)				
Soil Map Unit Name: 805A - Orthents, clayey, nearly le	vel (Predomina	antly Non-h	ydric (6%))	NWI c	lassificatio	n: PEM		
Are climatic / hydrologic conditions on the site typical f	eno radine senonni nater <del>a</del> t		Yes	No X (If no				
Are Vegetation, Soil, or Hydrology	significantly dis	turbed? A	re "Normal Ci	rcumstances" pre	sent? Ye	es X I	40	_
Are Vegetation, Soil, or Hydrology	naturally proble	matic? (	f needed, expl	ain any answers i	in Remarks	s.)		
SUMMARY OF FINDINGS - Attach site ma	ap showing	samplin	g point loc	ations, transe	ects, im	oortant fe	atures	, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks:	<u> </u>	withir	Sampled Are a Wetland? of rainfall durin	Yes_	oreo.	lo		
VEGETATION – Use scientific names of pla	inte	*						
regeration – Ose scientific harries of pia		Dominant	Indicator					
Tree Stratum (Plot size:) 1		Species?	Status	Dominance Tes Number of Domi	nant Speci			No.
2			—	Are OBL, FACW			1	- <sup>(A)</sup>
4.	-			Total Number of Across All Strata		Species	2	(B)
5. Sapling/Shrub Stratum (Plot size:		otal Cover		Percent of Domii Are OBL, FACW			50.0%	(A/B)
	,		_	Prevalence Inde	ex worksh	eet:		
1				Total % Cov		Multip	lv bv:	
3.				OBL species	90	x 1 =	90	-
4.				FACW species	5	x 2 =	10	
5.				FAC species	5	x 3 =	15	
	=T	otal Cover		FACU species _	5	x 4 =	20	_
Herb Stratum (Plot size: 5ft )				UPL species _	0	x 5 =	0	-
1. Typha angustifolia	90	Yes	OBL	Column Totals:		(A)	135	-(B)
2. Solidago sempervirens		No	FACW_	Prevalence In	dex = B/A	= 1.2	29	-
3. Eupatorium serotinum	5	No	FAC	Hydrophytic Ve	actation I	adlastara		
5.				1 - Rapid Te	WAST 10 OF DE		etation	
6.		_		2 - Dominan	130	1/ 2 1/21	station	
7.	-			X 3 - Prevalen		STATE STATE OF		
8.				4 - Morpholo			vide sur	porting
9.	-			data in Re	emarks or o	on a separat	e sheet)	
10.				Problematic	Hydrophyt	ic Vegetation	n¹ (Expla	ain)
Woody Vine Stratum (Plot size: 15ft	<u>100</u> =T	otal Cover		<sup>1</sup> Indicators of hyd be present, unles				must
Parthenocissus quinquefolia     2.	5	Yes	FACU_	Hydrophytic Vegetation	- A			
	5 =T	otal Cover		Present?	Yes X	No		

Remarks: (Include photo numbers here or on a separate sheet.)

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present.

	ription: (Describe	to the del				וטו טו	commin the absence	or maroators.,	
Depth	Matrix			x Featur		1 2		-	
inches)	Color (moist)	%_	Color (moist)	%	Туре	Loc²	Texture	Remarks	
0-13	7.5YR 2.5/1	100				-	Loamy/Clayey	clay loam	
13-20	10YR 4/2	70	7.5YR 4/4	30	<u> </u>	M	Loamy/Clayey	Distinct redox concentr	ations
		=		=	=				
Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand		Location <sup>2</sup> Location	: PL=Pore Lining, M=Matrix.	0
ydric Soil I	ndicators:						Indicator	s for Problematic Hydric S	oils³:
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Coas	t Prairie Redox (A16)	
Histic Ep	ipedon (A2)		Sandy Re	dox (S5)			Iron-I	Manganese Masses (F12)	
Black His	stic (A3)		Stripped M	Matrix (Si	6)		Red I	Parent Material (F21)	
	n Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)	
_	Layers (A5)		Loamy Mu				Other	r (Explain in Remarks)	
2 cm Mu	POSSESSE AND		Loamy Gl						
The second of the second	Below Dark Surface	e (A11)	Depleted				2		
_	rk Surface (A12)		Redox Da					s of hydrophytic vegetation a	
	ucky Mineral (S1)		Depleted			ß.		nd hydrology must be preser	nt,
5 cm Mu	cky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unles	s disturbed or problematic.	
Restrictive I	_ayer (if observed):								
Restrictive I Type:	_ayer (if observed):								
Type: _ Depth (in Remarks:			ators Thick Dark Su	urface (A	12) is sat	isfied.	Hydric Soil Present	? Yes_X_	No_
Type: _ Depth (in Remarks:	iches):		ators Thick Dark Su	urface (A	12) is sat	isfied.	Hydric Soil Present	? Yes <u>X</u>	No_
Type:	are present. Hydric s	soils indica	ators Thick Dark Su	urface (A	12) is sat	isfied.	Hydric Soil Present	? Yes_X_	No_
Type:	are present. Hydric s	soils indica			12) is sat	isfied.			3200
Type:	are present. Hydrics  GY  drology Indicators: eators (minimum of c	soils indica	iired: check all that	apply)			Secondar	y Indicators (minimum of two	3200
Type:	are present. Hydric s  GY  drology Indicators: cators (minimum of c	soils indica	ired; check all that Water-Sta	apply)	aves (B9)		<u>Secondar</u>	y Indicators (minimum of two ce Soil Cracks (B6)	3200
Type:	are present. Hydric s  GY  drology Indicators: eators (minimum of c Water (A1) ter Table (A2)	soils indica	iired: check all that Water-Sta Aquatic Fi	apply) ained Lea auna (B1	aves (B9)		SecondarSurfa	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10)	33300
Type:	are present. Hydric states (minimum of color table (A2) on (A3)	soils indica	i <u>ired: check all that</u> Water-Sta Aquatic Fi True Aqua	apply) ained Lea auna (B1 atic Plant	aves (B9) 3) ss (B14)		Secondar Surfa Drain Dry-S	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2)	33300
Type:	are present. Hydric states (minimum of cowater (A1) ter Table (A2) on (A3) arks (B1)	soils indica	iired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide (	aves (B9) 3) ss (B14) Odor (C1	)	Secondar Surfa Drain Dry-S Crayl	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8)	o requ
Type: Depth (in Remarks: Hydric soils a  YDROLO Vetland Hyd Primary India Surface U High Wa Saturatic Water M Sedimen	are present. Hydric states (Minimum of a Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)	soils indica	iired; check all that  Water-Sta  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	aves (B9) 3) ss (B14) Odor (C1 teres on I	) Living R	Secondar Surfa Drain Dry-\$ Crayl oots (C3) Satur	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ation Visible on Aerial Image	o requ
Type:	are present. Hydric states (minimum of cowater (A1) ter Table (A2) on (A3) arks (B1)	soils indica	iired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu	aves (B9) 3) ss (B14) Odor (C1 aeres on I ced Iron (	) Living R (C4)	Secondar   Surfa   Drain   Dry-8   Crayl   oots (C3)   Satur   Stunt	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1)	o requ
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Type: _ Depth (in Remarks: Hydric soils a  YDROLO  Vetland Hyd Primary India Surface \( \) High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep	are present. Hydric states are present. Hydric states (minimum of cowater (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3)	soils indica	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ained Lea auna (B1 attic Plant Sulfide ( Rhizosph of Redu on Reduc « Surface	aves (B9) 3) is (B14) Odor (C1) eres on I ced Iron ( ction in Ti e (C7)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2)	o requ
Type:Depth (in temarks: lydric soils a soil	are present. Hydric starter pr	soils indica	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface Well Dat	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2)	o requ
Type: Depth (in Remarks: Hydric soils a  YDROLO  Yetland Hyd Primary India Surface \( \) High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely	are present. Hydric states are present. Hydric states (minimum of control of the	soils indica	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface Well Dat	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2)	o requ
Type:	are present. Hydric states are present. Hydric states (minimum of cowater (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:	nagery (B	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ta (D9)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2)	o requ
Type:	are present. Hydric states are present. Hydric states (minimum of compared (Mater (A1)) ter Table (A2) on (A3) arks (B1) to Deposits (B2) osits (B3) to r Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:	magery (Be Surface (	ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduc of Reduc of Surface ( Surface Well Dat plain in F	aves (B9) 3) is (B14) Odor (C1 ares on laced Iron (ction in Tie (C7) ta (D9) Remarks)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2)	o requ
Type:	are present. Hydric states are present. Hydric states (minimum of compared (minimum of compar	nagery (B	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F	aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) ta (D9) Remarks) nches): _	) Living R (C4) Iled Soi	Secondar   Surfa   Drain   Dry-S   Crayl   oots (C3) Satur   Stunt   Is (C6) X Geon	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	o requ
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Type:	are present. Hydric states are present. Hydric states (minimum of compared (minimum of compar	magery (Be Surface (	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Present Irc — Thin Muck  7) — Gauge or  B8) — Other (Ex  No _ X  No _ X  No _ X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (D9) Remarks) nches): nches): nches):	) Living R (C4) Illed Soi	Secondar	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	o requ
Type:	are present. Hydric states are present. Hydric states (minimum of compared (Mater (A1)) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) to r Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:  er Present? Ye present? Ye present? Ye present? Ye poillary fringe)	magery (Be Surface (	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Present Irc — Thin Muck  7) — Gauge or  B8) — Other (Ex  No _ X  No _ X  No _ X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (D9) Remarks) nches): nches): nches):	) Living R (C4) Illed Soi	Secondar	y Indicators (minimum of two ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Image ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	o requ

## U.S. Army Corps of Engineers Requirement Control Symbol WETLAND DETERMINATION DATA SHEET - Midwest Region **EXEMPT** See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R (Authority: AR 335-15, paragraph 5-2a) Project/Site: Chicago O'Hare International Airport (ORD) City/County: Chicago/Cook or DuPage Sampling Date: 9/19/2019 State: IL Sampling Point: SE64 UPL Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, Mead & Hunt, Inc. Section, Township, Range: Section 16, T40N, R12E Local relief (concave, convex, none): convex Landform (hillside, terrace, etc.): midslope Slope (%): <u>2-3</u> Lat: <u>41</u>.95775889 \_\_\_\_\_Datum: WGS84 Long: -87.88096932 NWI classification: Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Predominantly Non-hydric (6%)) Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No \_X (If no, explain in Remarks.) Are Vegetation\_\_\_\_\_, Soil\_\_X\_, or Hydrology\_\_\_\_\_significantly disturbed? Are "Normal Circumstances" present? Yes\_\_\_\_\_ No\_\_X\_ Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? Yes Hydric Soil Present? No X within a Wetland? Yes Yes No X Wetland Hydrology Present? Remarks: Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019. Area has been grubbed and gravel deposited. Wood chips on surface. Rutting present. VEGETATION - Use scientific names of plants. Tree Stratum (Plot size: % Cover Species? **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2. (A) 3 Total Number of Dominant Species Across All Strata: (B) 5. Percent of Dominant Species That =Total Cover Are OBL, FACW, or FAC: 0.0% (A/B) Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: 3 OBL species \_\_\_\_\_0 x 1 = \_\_\_\_0 FACW species 2 x 2 = FAC species 13 x 3 ==Total Cover FACU species x 4 =Herb Stratum 33 x 5 = UPL species Column Totals: 98 (A) 1. Solidago canadensis FACU Yes 2. Digitaria cognata 25 UPL Prevalence Index = B/A = \_ No FACU 3. Melilotus officinalis 15 4. Eupatorium serotinum 10 No FAC Hydrophytic Vegetation Indicators: 5. Dipsacus laciniatus 8 No UPL 1 - Rapid Test for Hydrophytic Vegetation 5 FACIL 6 Ambrosia artemisiifolia No 2 - Dominance Test is >50% 7. Populus deltoides 3 No FAC 3 - Prevalence Index is ≤3.01 2 FACW 4 - Morphological Adaptations<sup>1</sup> (Provide supporting Solidago sempervirens data in Remarks or on a separate sheet) 10. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 98 =Total Cover <sup>1</sup>Indicators of hydric soil and wetland hydrology must (Plot size: Woody Vine Stratum be present, unless disturbed or problematic. Hydrophytic Vegetation =Total Cover Present? Yes Remarks: (Include photo numbers here or on a separate sheet.)

ENG FORM 6116-7-SG, JUL 2018

Midwest - Version 2.0

APPENDIX L L-261 NOVEMBER 2022

Community Type: developed land HGM Type: Hydrophytic vegetation is not present. About 20ft separates data points with 2ft elevation change

Depth	cription: (Describe to Matrix	to the dop		ox Featur		2001 01 0	John In the absen	oo or maloute	13.,	
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
400 300			Color (Illoist)	70	Турс		100	_	Remains	
0-6	7.5YR 3/1	100					Loamy/Clayey		9 N	1 22
6-8	7.5YR 3/1	90	2.5YR 3/4	10	<u>C</u>	M_	Sandy	_	nent redox conce	1000
8-16	7.5YR 5/2	100		- —	_	_	Sandy		indy loam with gr	avel
				<u> </u>						
Type: C=C	Concentration, D=Dep	letion, RM=	Reduced Matrix,	MS=Mas	ked San	d Grains	. <sup>2</sup> Loca	tion: PL=Pore	Lining, M=Matrix	ivo
Hydric Soil	Indicators:								lematic Hydric S	
Histoso	l (A1)		Sandy Gle	eyed Mat	rix (S4)		c	oast Prairie Re	edox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)			in-	on-Manganese	Masses (F12)	
Black H	istic (A3)		Stripped N	Matrix (Se	3)		R	ed Parent Mat	erial (F21)	
Hydroge	en Sulfide (A4)		Dark Surf	ace (S7)				ery Shallow Da	ark Surface (F22)	į.
Stratifie	d Layers (A5)		Loamy Mu	ucky Mine	eral (F1)			ther (Explain i	n Remarks)	
2 cm M	uck (A10)		Loamy Gl	eyed Mat	trix (F2)					
— Deplete	d Below Dark Surface	(A11)	Depleted	Matrix (F	3)					
Thick D	ark Surface (A12)		Redox Da	ırk Surfac	e (F6)		3Indica	ators of hydrop	hytic vegetation	and
Sandy N	Mucky Mineral (S1)		Depleted	Dark Sur	face (F7)	)	W	etland hydrolo	gy must be prese	nt,
5 cm M	ucky Peat or Peat (S3	5)	Redox De	pression	s (F8)		ur	nless disturbed	or problematic.	
Restrictive	Layer (if observed):									
	ADVISOR DESCRIPTION OF THE PARTY OF THE PART									
Type:										
Depth (i	are not present. Does	s not meet	hydric soils criteri	a. Redox	layer too	thin to	<b>Hydric Soil Pres</b> qualify.	ent?	Yes	No _
Depth (i	10000000000000000000000000000000000000	s not meet	hydric soils criteri	a. Redox	layer too	o thin to	and section of the se	ent?	Yes	No_
Depth (i Remarks: Hydric soils	are not present. Does	s not meet	hydric soils criteri	a. Redox	layer too	o thin to	and section of the se	ent?	Yes	No_
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy	are not present. Does				layer too	o thin to	qualify.			
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Ind	are not present. Does  OGY  /drology Indicators: icators (minimum of o		red: check all that	apply)			qualify.	idary Indicator	s (minimum of tw	
Depth (i Remarks: Hydric soils  HYDROLC Wetland Hy Primary Ind Surface	are not present. Does  OGY  /drology Indicators: icators (minimum of o		red: check all that Water-Sta	apply) ained Lea	aves (B9)		qualify. SecorS	<u>ıdary Indicator</u> urface Soil Cra	s (minimum of tw acks (B6)	
Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High Wi	are not present. Does		red: check all thatWater-StaAquatic F	apply) ained Lea auna (B1	aves (B9) 3)		qualify.  Secor	<u>idary Indicator</u> urface Soil Cra rainage Patter	s (minimum of tw acks (B6) ns (B10)	
Depth (i Remarks: Hydric soils  HYDROL( Wetland Hy Primary Ind Surface High Wi Saturati	are not present. Does  OGY  ydrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		red: check all thatWater-SteAquatic FTrue Aqua	apply) ained Lea auna (B1 atic Plant	aves (B9) 3) s (B14)	)	qualify.	<u>idary Indicator</u> urface Soil Cre rainage Patter ry-Season Wa	s (minimum of tw acks (B6) ns (B10) ter Table (C2)	
Depth (i Remarks: Hydric soils  HYDROLC Wetland Hy Primary Ind Surface High W: Saturati Water M	are not present. Does  OGY  /drology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) //arks (B1)		red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide (	aves (B9) 3) ss (B14) Odor (C1	)	qualify.	idary Indicator urface Soil Cre rainage Patter ry-Season Wa rayfish Burrow	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8)	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi Saturati Water M Sedime	are not present. Does  OGY  /drology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3) //arks (B1) nt Deposits (B2)		red: check all that  Water-Ste  Aquatic F  True Aqua  Hydrogen  Oxidized	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	aves (B9) 3) s (B14) Odor (C1 eres on I	) ) Living Re	qualify.  Secon S D D C C coots (C3) S	idary Indicator urface Soil Cre rainage Patter ry-Season Wa rayfish Burrow aturation Visib	s (minimum of tw toks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi Saturati Water M Sedime Drift De	are not present. Does  OGY  /drology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3)		red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (	) Living Ro (C4)	qualify.    Secon   Secon   Secon   Secon   Secon   Coots (C3)   Secon   Secon	idary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1)	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M:	are not present. Does  OGY  /drology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (	) Living Ro (C4)	qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres eomorphic Po	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2)	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De	are not present. Does  OGY  /drology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3)	one is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( cettion in Ti e (C7)	) Living Ro (C4)	qualify.    Second	idary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2)	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De; Inundati	are not present. Does  OGY  /drology Indicators: icators (minimum of o  Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	me is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ia (D9)	) Living Ro (C4) illed Soil	qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres eomorphic Po	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2)	o requi
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De; Inundati	are not present. Does  OGY  Adrology Indicators: icators (minimum of	me is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ia (D9)	) Living Ro (C4) illed Soil	qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres eomorphic Po	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2)	o requi
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Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Dej Inundati Sparsel Field Obse	are not present. Does  OGY  vdrology Indicators: icators (minimum of	me is requi	red: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  Gauge or  38)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in R	aves (B9) 3) s (B14) Odor (C1 eres on led fron (ction in Tiel (C7) a (D9) Remarks)	) Living Ro (C4) illed Soil	qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib tunted or Stres eomorphic Po	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2)	o requ
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Depth (i Remarks: Hydric soils  HYDROL( Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M: Iron Deg Inn Det Iron Dese Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	are not present. Does  OGY  /drology Indicators: icators (minimum of	magery (B7 Surface (E s s	red: check all that  Water-Sta  Aquatic F-  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muc  Other (Ex  No X  No X  No X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in R  Depth (ii Depth (ii	aves (B9) 3) s (B14) Odor (C1 eres on l ced fron ( te (C7) a (D9) Remarks) nches): nches):	) Living Ro (C4) illed Soil:	Qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib atunted or Stres eomorphic Po AC-Neutral Te	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2) st (D5)	orequiery (C:
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Depth (i Remarks: Hydric soils  HYDROL( Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M: Iron Deg Inn Det Iron Dese Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	are not present. Does  OGY  /drology Indicators: icators (minimum of	magery (B7 Surface (E s s	red: check all that  Water-Sta  Aquatic F-  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muc  Other (Ex  No X  No X  No X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in R  Depth (ii Depth (ii	aves (B9) 3) s (B14) Odor (C1 eres on l ced fron ( te (C7) a (D9) Remarks) nches): nches):	) Living Ro (C4) illed Soil:	Qualify.    Second	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow aturation Visib atunted or Stres eomorphic Po AC-Neutral Te	s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag seed Plants (D1) sition (D2) st (D5)	ery (C

U.S. Army Corps of	The second secon			Requirement Control Symbol
WETLAND DETERMINATION DATA				EXEMPT
See ERDC/EL TR-07-24; the propone	nt agency is	CECAA-C	CO-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (OR	D)	City/Cour	ty: Chicago/	Cook Sampling Date: 9/19/2019
Applicant/Owner: City of Chicago				State: IL Sampling Point: SE 64 WET
Investigator(s): Brauna Hartzell, Conor Makepeace, Me	ad & Hunt, Inc.	Section, T	ownship, Ran	ge: Section 16, T40N, R12E
Landform (hillside, terrace, etc.): basin		· [	ocal relief (co	oncave, convex, none): concave
Slope (%): <1% Lat: 41.95773078		Long: -8	7.88099871	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly le	11/2 10/2 10/2 10/2			
Are climatic / hydrologic conditions on the site typical f			Yes	No X (If no, explain in Remarks.)
Are Vegetation , Soil X , or Hydrology	eno cuente senonne amen <del>a</del> n			
Are Vegetation , Soil , or Hydrology				
0, 00 40000				
SUMMARY OF FINDINGS – Attach site ma	ap showing	samplin	g point loc	cations, transects, important features, etc.
Wetland Hydrology Present? Yes X No Remarks:	<u> </u>	within	Sampled Are a Wetland?	Yes <u>X</u> No
deposited along with wood chips.	(F)	e amount o	f raintail durin	g September 2019. Area has been grubbed and gravel
VEGETATION – Use scientific names of pla				
Tree Stratum (Plot size:) 1.	A TENEDISTRIAN EN	Oominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That
3.				Are OBL, FACW, or FAC: 2 (A)  Total Number of Dominant Species
4.				Across All Strata: 2 (B)
5				Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size:		otal Cover		Are OBL, FACW, or FAC:(A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3.				OBL species55 x 1 =55
4				FACW species 23 x 2 = 46
5				FAC species 13 x 3 = 39
Harle Ottackura (Disk size) 5.5	=To	otal Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5 ft )	50	V	ODI	UPL species 2 x 5 = 10
Typha angustifolia     Solidago sempervirens	20	Yes Yes	OBL FACW	Column Totals: 93 (A) 150 (B)  Prevalence Index = B/A = 1.61
Solidago sempervirens     Hordeum jubatum		No	FAC	Prevalence index = B/A = 1.01
4. Carex stipata	5 -	No	OBL	Hydrophytic Vegetation Indicators:
5. Eupatorium serotinum	5	No	FAC	X 1 - Rapid Test for Hydrophytic Vegetation
6. Phragmites australis	3	No	FACW	X 2 - Dominance Test is >50%
7. Rhamnus cathartica	2	No	FAC	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
8. Leucanthemum vulgare	2	No	UPL	4 - Morphological Adaptations (Provide supporting
9. Rumex crispus	1	No	FAC	data in Remarks or on a separate sheet)
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:	93 =To	otal Cover		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1	<del></del>		<del></del>	Hydrophytic
		otal Cover		Vegetation Present? Yes X No
		Jiai Covei		Fresent: 163 A NO
Remarks: (Include photo numbers here or on a sepa		ic vegetatio	n ic precent	Some hare areas with standing water

Midwest - Version 2.0

APPENDIX L L-263 NOVEMBER 2022

	cription: (Describe	ro me aet				uu or o	rommu me	anzeuce o	imuicators	s.,	
Depth	Matrix		CONTROL MADE TO THE	ox Featur		1 2	¥			1 <del>-</del> 1	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type	Loc <sup>2</sup>	Text	Name of the last o		Remarks	
0-4	7.5YR 3/1	100					Loamy/0	Clayey		silt loam	
4-12	10YR 4/2	90	10YR 4/6		<u> </u>	M			Promine	nt redox conce	entrations
				Ξ	<del></del>						
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand	Grains		<sup>2</sup> Location:	PL=Pore L	ining, M=Matri	<b>C</b> .
Hydric Soil	Indicators:							Indicators	for Proble	matic Hydric	Soils <sup>3</sup> :
Histosol	(A1)		Sandy Gl	eyed Mat	rix (S4)			Coast	Prairie Red	lox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)				Iron-M	anganese I	Masses (F12)	
Black H	stic (A3)		Stripped I	Matrix (Se	5)			Red P	arent Mater	ial (F21)	
— Hydroge	n Sulfide (A4)		Dark Surf	ace (S7)				Very S	Shallow Darl	k Surface (F22	)
Stratifie	d Layers (A5)		Loamy M	ucky Mine	eral (F1)			Other	(Explain in	Remarks)	
	ıck (A10)		Loamy Gl						us ((5))		
	d Below Dark Surface	e (A11)	X Depleted	TAN-SULDANG PROGRAM	Department in the						
Thick Da	ark Surface (A12)		Redox Da					3Indicators	of hydroph	ytic vegetation	and
	Mucky Mineral (S1)		— Depleted						8 14 8	must be pres	
	icky Peat or Peat (S3	3)	Redox De						1000	or problematic.	3)
Restrictive	Layer (if observed):	(									
Type:											
Depth (i	are present. Hydric	soils indica	ators Depleted Beli	ow Dark s	Surface (	A11) an	and accessants reason	il Present?  Matrix (F3)		Yes X	No _
Depth (i	0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	soils indica	ators Depleted Bel	ow Dark \$	Surface (	A11) an	and accessants heaven				No
Depth (i Remarks: Hydric soils	are present. Hydric :		ators Depleted Bel	ow Dark \$	Surface (	A11) an	and accessants heaven				No
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy	are present. Hydric :				Gurface (	A11) an	and accessants heaven	Matrix (F3)	are satisfied	1.	
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi	are present. Hydric :  OGY  drology Indicators: cators (minimum of c		ired: check all that	apply)		A11) an	and accessants heaven	Matrix (F3)	are satisfied	d. (minimum of tv	
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi X Surface	are present. Hydric :  OGY  drology Indicators: cators (minimum of c		ired: check all that Water-Sta	apply) ained Lea	ves (B9)	A11) an	and accessants heaven	Matrix (F3) : Secondary Surfac	are satisfied  Indicators  e Soil Crac	(minimum of t) ks (B6)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Wa	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) tter Table (A2)		i <u>ired: check all that</u> Water-Sta Aquatic F	apply) ained Lea auna (B1	ves (B9) 3)	A11) an	and accessants heaven	Matrix (F3) : Secondary Surfac Draina	are satisfied  r Indicators se Soil Crac ge Patterns	(minimum of ts ks (B6) s (B10)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturation	are present. Hydric solutions: cators (minimum of cators (Mater (A1) ater Table (A2) on (A3)		i <u>ired: check all that</u> — Water-Ste — Aquatic F — True Aqu	apply) ained Lea auna (B1 atic Plant	ves (B9) 3) s (B14)		and accessants heaven	Secondary Surfac Draina Dry-Se	are satisfied Indicators e Soil Crac ge Patterns eason Wate	(minimum of to ks (B6) s (B10) or Table (C2)	
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M	are present. Hydric solutions: Cators (minimum of comparts) atter Table (A2) on (A3) larks (B1)		iired: check all thatWater-SteAquatic FTrue Aqua	apply) ained Lea auna (B1 atic Plant Sulfide (	ves (B9) 3) s (B14) Odor (C1	)	d Depleted I	Secondary Surfac Draina Dry-Se Crayfis	r Indicators e Soil Crac ge Patterns eason Wate sh Burrows	(minimum of to ks (B6) s (B10) or Table (C2) (C8)	yo requir
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimei	are present. Hydric solutions:  cators (minimum of compared (A2))  ater Table (A2)  on (A3)  larks (B1)  nt Deposits (B2)		iired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	ves (B9) 3) s (B14) Odor (C1 eres on I	) Living R	d Depleted I	Secondary Surfac Draina Dry-Se Crayfis Satura	r Indicators Le Soil Crac Lege Patterns Lesson Wate Less Burrows Ltion Visible	(minimum of to ks (B6) s (B10) or Table (C2) (C8) on Aerial Imag	yo requir
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimer Drift Dep	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)		iired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc	ves (B9) 3) s (B14) Odor (C1 eres on I	) Living R C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte	r Indicators Le Soil Crace Le	(minimum of ty ks (B6) (B10) or Table (C2) (C8) on Aerial Imaged Plants (D1)	yo requir
Depth (i  Remarks: Hydric soils  HYDROLO  Wetland Hy  Primary Indi  X Surface  X High Wat  X Saturati  Water M  Sedimel  Drift Dep  Algal Ma	are present. Hydric :  OGY  drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4)		ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ira	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on I ered Iron (	) Living R C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte X Geom	r Indicators. Le Soil Crac Le S	(minimum of ty ks (B6) s (B10) or Table (C2) (C8) on Aerial Imaged Plants (D1) tion (D2)	vo requir
Depth (i  Remarks: Hydric soils  HYDROLO  Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimel Drift Dep Algal Ma Iron Dep	are present. Hydric :  OGY  drology Indicators: cators (minimum of o Water (A1) atter Table (A2) on (A3) larks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) posits (B5)	one is requ	ired: check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ira	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc « Surface	ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti (C7)	) Living R C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte X Geom	r Indicators Le Soil Crace Le	(minimum of ty ks (B6) s (B10) or Table (C2) (C8) on Aerial Imaged Plants (D1) tion (D2)	yo requir
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi X Surface X High Water N Sedimen Drift Dep Algal Ma Iron Dep Inundati	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) titer Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II	one is requ	ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Iru  Thin Mucl	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc < Surface Well Dat	ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti (C7) a (D9)	) Living R C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte X Geom	r Indicators. Le Soil Crac Le S	(minimum of ty ks (B6) s (B10) or Table (C2) (C8) on Aerial Imaged Plants (D1) tion (D2)	vo requir
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APPENDIX L L-264 NOVEMBER 2022

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U.S. Army Corps of Engineers	Requirement Control Symbol
WETLAND DETERMINATION DATA SHEET – Mid See ERDC/EL TR-07-24; the proponent agency is 0	
Occ ENDOILE THEORY 13 C	(Authority: Art 600 10, purugrupin 6 24)
Project/Site: Chicago O'Hare International Airport (ORD)	City/County: Chicago/DuPage Sampling Date: 8/14/2019
Applicant/Owner: City of Chicago	State: IL Sampling Point: SW19-39 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & Hunt, Inc.	Section, Township, Range: Section 12, T40N, R11E
Landform (hillside, terrace, etc.): midslope	Local relief (concave, convex, none): convex
Slope (%): 30-40% Lat: 41.96802031	Long: -87.93646915 Datum: WGS84
Soil Map Unit Name: 805B - Orthents, clayey, undulating (Predominant	ly Non-hydric (6%)) NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)
Are Vegetation $X$ , Soil , or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	secondates Anontological Holes
Remarks:	
Area mown regularly.	
VEGETATION – Use scientific names of plants.	and the first of
And And to the second of the s	perinant Indicator pecies? Status Dominance Test worksheet:
1	Number of Dominant Species That
2.	Are OBL, FACW, or FAC: 0 (A)
3	Total Number of Dominant Species
	Across All Strata:1 (B)
5	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: )	Ale OBL, I ACW, OI I AC. (AB)
1.	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3	OBL species 0 x 1 = 0
4	FACW species 0 x 2 = 0
5	FAC species 0 x 3 = 0
Herb Stratum (Plot size: 5ft )	FACU species 100 x 4 = 400 UPL species 0 x 5 = 0
	Yes FACU Column Totals: 100 (A) 400 (B)
2. Trifolium repens 10	No FACU Prevalence Index = B/A = 4.00
3	
4	Hydrophytic Vegetation Indicators:
5	1 - Rapid Test for Hydrophytic Vegetation
7.	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
8.	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9.	data in Remarks or on a separate sheet)
10	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	al Cover Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)	be present, unless disturbed or problematic.
	Hydrophytic
2	Vegetation   Present? Yes No_X
Remarks: (Include photo numbers here or on a separate sheet.)	11636HE: 163NO
	ion is not present. 10ft separates and 3ft higher in elevation from wetland datapoint.

APPENDIX L L-265 NOVEMBER 2022

Janth	announderstanding Memorator Colema to	to the dep	oth needed to doc		atui Ur	committee a	absence of file	ι <b>c</b> αι015. <i>)</i>	
Depth	Matrix Calar (maist)	<u>%</u>	Color (moist)	x Features % Type <sup>1</sup>	Loc <sup>2</sup>	Tovtu	.ro	Domorko	
nches)	Color (moist)		Color (Illoist)	-% Type	LOC	Textu		Remarks	
0-4	7.5YR 3/1	100		<del></del>		Loamy/C			
4-12	7.5YR 3/1	60				Loamy/C	clayey		
	7.5YR 4/2	40							
	-								
	-								
							w 10		
	_					12			
ype: C=0	Concentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Masked Sar	d Grains	S.	<sup>2</sup> Location: PL=	Pore Lining, M=Matri	ix.
ydric Soi	l Indicators:						Indicators for	Problematic Hydric	Soils <sup>3</sup> :
_Histoso	d (A1)		Sandy Gle	yed Matrix (S4)			Coast Prair	rie Redox (A16)	
Histic E	Epipedon (A2)		Sandy Re	dox (S5)			Iron-Manga	nese Masses (F12)	
Black F	Histic (A3)		Stripped N	Matrix (S6)			Red Parent	t Material (F21)	
	en Sulfide (A4)		Dark Surfa					ow Dark Surface (F22	2)
_	ed Layers (A5)			icky Mineral (F1)	1		Other (Expl	lain in Remarks)	
	luck (A10)			eyed Matrix (F2)					
	ed Below Dark Surface	(A11)		Matrix (F3)			3	1 rm 0 ***	
_	Dark Surface (A12)			rk Surface (F6)	•			ydrophytic vegetation	
	Mucky Mineral (S1)			Dark Surface (F7	)		0.50	drology must be pres	
	lucky Peat or Peat (S3		Redox De	pressions (F8)			uniess disti	urbed or problematic.	.b
	Layer (if observed):								
Type:	compacted							18.4 00000	
emarks:	(inches):	12 s not meet	hydric soils criteria	ı.		Hydric Soi	I Present?	Yes	No_
Remarks:			hydric solls criteria	1.		Hydric Soi	I Present?	Yes	NO_
Remarks: lydric soils	s are not present. Doe		hydric soils criteria	ì.		Hydric Soi	I Present?	Yes	NO_
Remarks: Hydric soils	s are not present. Doe		hydric soils criteria	à.		Hydric Soi	I Present?	Yes	NO_
emarks: lydric soils YDROL	os are not present. Doe	s not meet							3330
emarks: ydric soils YDROL Vetland H rimary Inc	os are not present. Doe  OGY  ydrology Indicators:	s not meet	ired; check all that	apply)	)		Secondary Indi	cators (minimum of t	3330
emarks: ydric soils  YDROL  Vetland H rimary Inc.  Surface	OGY ydrology Indicators: dicators (minimum of co	s not meet	ired: check all that Water-Sta	apply) ined Leaves (BS	)		Secondary Indi	cators (minimum of t	3330
emarks: ydric soils  YDROL  /etland H rimary Inc  Surface  High W	os are not present. Doe  OGY  ydrology Indicators:	s not meet	i <u>red; check all that</u> Water-Sta Aquatic Fa	apply)	)		<u>Secondary Indi</u> Surface So Drainage P	cators (minimum of t	3330
YDROL  Vetland H  rimary Inc  Surface  High W  Saturat	oGY ydrology Indicators: dicators (minimum of ce Water (A1) (ater Table (A2)	s not meet	i <u>red; check all that</u> Water-Sta — Aquatic Fa — True Aqua	apply) ined Leaves (B9 auna (B13)			Secondary Indi Surface So Drainage P Dry-Seasoi	cators (minimum of tr il Cracks (B6) 'atterns (B10)	3330
YDROL  Yetland H  rimary Inc  Surface  High W  Saturat  Water I	oGY ydrology Indicators: ificators (minimum of cook) water (A1) (ater Table (A2) ion (A3)	s not meet	ired: check all thatWater-StaAquatic Fa True Aqua Hydrogen	apply) ined Leaves (BS auna (B13) ttic Plants (B14)	1)		Secondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu	cators (minimum of the ill Cracks (B6) leatterns (B10) in Water Table (C2)	wo requ
emarks: ydric soils  YDROL  /etland H rimary Inc Surface High W Saturat Water I Sedime	ogy ydrology Indicators: dicators (minimum of og Water (A1) fater Table (A2) ion (A3) Marks (B1)	s not meet	ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen Oxidized F	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C	1) Living R		Secondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation	cators (minimum of the idea of	wo requ
YDROL Vetland H rimary Inc. Surface High W Saturat Water I Sedime Drift De	oGY ydrology Indicators: dicators (minimum of company) fater Table (A2) ion (A3) Marks (B1) ent Deposits (B2)	s not meet	ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen Oxidized F	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C Rhizospheres on	1) Living R (C4)	Roots (C3)	Secondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation	cators (minimum of t il Cracks (B6) latterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Ima	wo requ
YDROL  Yetland H  rimary Inc.  Surface  High W  Saturat  Water I  Sedime  Drift De  Algal M	oGY ydrology Indicators: dicators (minimum of cook Water (A1) fater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	s not meet	ired: check all that  Water-Sta  Aquatic Fe  True Aqua  Hydrogen  Oxidized Fe  Presence  Recent Irc	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C Rhizospheres on of Reduced Iron	1) Living R (C4)	Roots (C3)	Secondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of to il Cracks (B6) latterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1)	wo requ
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YDROL  Vetland H  rimary Inc  Surface  High W  Saturat  Water I  Sedime  Drift De  Algal M  Iron De	oGY ydrology Indicators: dicators (minimum of comparts) fater Table (A2) for (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5)	s not meet	ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7)  Gauge or	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C Rhizospheres on of Reduced Iron on Reduction in T Surface (C7)	1) Living R (C4) īlled Soi	Roots (C3)	Secondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of the ill Cracks (B6) latterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo requ
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YDROL Vetland H Primary Inc Surface High W Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse	oGY  ydrology Indicators: dicators (minimum of context) later Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) tion Visible on Aerial In ly Vegetated Concave forvations: ater Present? Ye	magery (B' Surface (	ired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized Fa  Presence  Recent Inc  Thin Muck  7)  Gauge or  B8)  No  X	apply) ined Leaves (BS auna (B13) titic Plants (B14) Sulfide Odor (C Rhizospheres on of Reduced Iron on Reduction in T Surface (C7) Well Data (D9) blain in Remarks Depth (inches):	1) Living R (C4) Tilled Soi	Roots (C3)	Secondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of the ill Cracks (B6) latterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo requ
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YDROL  YUROL  Vetland H  Primary Inc  Surface  High W  Saturat  Water I  Sedime  Drift De  Iron De  Inundat  Sparse  Surface  Water I  Sedime  Vater I  Sedime  Algal M  Iron De  Inundat  Sparse  Surface Water Tabl  Saturation	oGY  ydrology Indicators: dicators (minimum of control	magery (B' Surface (	ired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized Fa  Presence  Recent Inc  Thin Muck  7)  Gauge or  B8)  No  X	apply) ined Leaves (BS auna (B13) titic Plants (B14) Sulfide Odor (C Rhizospheres on of Reduced Iron on Reduction in T Surface (C7) Well Data (D9) blain in Remarks Depth (inches):	1) Living R (C4) Tilled Soi	Roots (C3)	Secondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of the ill Cracks (B6) letterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) is Position (D2) al Test (D5)	wo reau
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YDROL  Wetland H Primary Inc Surface High W Saturat Water I Sedime Drift De Iron De Inundal Sparse Field Obse Surface Wet Water Tabl Saturation includes ce	oGY  ydrology Indicators: dicators (minimum of control	magery (B Surface (I	ired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Exp	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron in Reduction in 7: Surface (C7) Well Data (D9) blain in Remarks Depth (inches): Depth (inches):	1) Living R (C4) iilled Soi	Roots (C3)	Secondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi FAC-Neutra	cators (minimum of the ill Cracks (B6) letterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) is Position (D2) al Test (D5)	wo reau
YDROL  YVEI and H  Yrimary Inc Surface High W Saturat Water I Sedime Drift De Algal M Iron De Inundal Sparae Sield Obses Surface We Vater Tabl Saturation Includes ce	oGY  ydrology Indicators: ficators (minimum of ore) water (A1) fater Table (A2) fion (A3) Marks (B1) ent Deposits (B2) eposits (B3) fator Crust (B4) eposits (B5) fition Visible on Aerial In y Vegetated Concave forvations: ater Present? Yee e Present? Yee apillary fringe)	magery (B Surface (I	ired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Exp	apply) ined Leaves (BS auna (B13) tic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron in Reduction in 7: Surface (C7) Well Data (D9) blain in Remarks Depth (inches): Depth (inches):	1) Living R (C4) iilled Soi	Roots (C3)	Secondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi FAC-Neutra	cators (minimum of the ill Cracks (B6) letterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) is Position (D2) al Test (D5)	wo reau

Midwest - Version 2.0

APPENDIX L L-266 NOVEMBER 2022

U.S. Army Corps of E				nt Control Symbol
WETLAND DETERMINATION DATA SI		17.		EXEMPT
See ERDC/EL TR-07-24; the proponent	t agency is C	ECW-CO-R	(Authority: AR 3	335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD)		City/County: Chica	go/DuPage	Sampling Date: 8/14/2019
Applicant/Owner: City of Chicago		-	State: IL	Sampling Point: SW19-39 WET
Investigator(s): Brauna Hartzell, Conor Makepeace, Mead	l & Hunt, Inc. S	ection, Township, F	Range: Section 12, T40N,	R11E
Landform (hillside, terrace, etc.): swale			NO.	
Slope (%): <1% Lat: 41.96804399				
Soil Map Unit Name: 805B - Orthents, clayey, undulating				
Are climatic / hydrologic conditions on the site typical for			No (If no, exp	
Are Vegetation, Soil, or Hydrologysig	PROBLEM REPORTED PROFITS	1.		
Are Vegetation, Soil, or Hydrologyna				
SUMMARY OF FINDINGS – Attach site map	showing s	ampling point i	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes X No		Is the Sampled	Area	
		within a Wetlan		No
Wetland Hydrology Present? Yes X No				
Remarks:				
VEGETATION – Use scientific names of plan				
and the second s		minant Indicator ecies? Status	Dominance Test wor	kshoot:
1	70 COVEL OF	Otatus	Number of Dominant S	
2.		3 8	Are OBL, FACW, or FA	
3.			Total Number of Domi	nant Species
4.			Across All Strata:	3 (B)
5			Percent of Dominant S	
	=Tota	al Cover	Are OBL, FACW, or F	AC: <u>100.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index wo	rkahaati
1		<del></del>	Total % Cover of:	
2. 3.		. :	OBL species 100	
4.				x 2 = 0
5.			FAC species 0	x 3 = 0
	=Tota	al Cover	FACU species 0	x 4 = 0
Herb Stratum (Plot size: 5ft )			UPL species 0	12000000
1. Typha angustifolia		Yes OBL	Column Totals: 100	
Eleocharis obtusa     Epilobium coloratum	20000	Yes OBL Yes OBL	Prevalence Index =	B/A = 1.00
4. Lythrum salicaria		No OBL	Hydrophytic Vegetati	on Indicators:
5			100 to 10	Hydrophytic Vegetation
6.			X 2 - Dominance Te	3 7 21 12
7.			X 3 - Prevalence Ind	ex is ≤3.0 <sup>1</sup>
8				Adaptations <sup>1</sup> (Provide supporting
9				s or on a separate sheet)
10			·	ophytic Vegetation <sup>1</sup> (Explain)
Woody Vino Stratum	100=Tota	al Cover		oil and wetland hydrology must
Woody Vine Stratum (Plot size:) 1.			be present, unless dist	urbed or problematic.
2.		<del></del>	Hydrophytic Vegetation	
	=Tota	al Cover	Present? Yes	X No
Remarks: (Include photo numbers here or on a separat				
Community Type: wet meadow HGM Type: depressi		tic vegetation is pre	sent. Lemna sp. present o	n standing water.

Profile Description: (Description: (Description: Construct the Indicator or confirm the absence of Indicators.)  Peth Matrix Redox Features  Inches) Codor (mols) % Color (mols) % Type Loc* Texture Remarks  GLEY1 4/10 GY 30 Loamy/Clayey day  G-6 10YR 3/1 100 Loamy/Clayey day  G-18 10YR 3/1 100 Loamy/Clayey day  G-18 10YR 3/1 100 Loamy/Clayey day  G-18 10YR 3/1 100 Loamy/Clayey day  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Typ										
Inches)  Color (moist)     Color (moist)    Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)     Color (moist)	SELECTION OF THE PROPERTY OF T	to the dept			Cator or C	onfirm the	absence of in	dicators.)		
O-6 10YR 3/1 70	20 10 10 10 10 10 10 10 10 10 10 10 10 10			Annual Control of the	1 1 - 2					
GLEY1 4/10 GY 30 Loamy/Clayey clay  G-18 10YR 3/1 100 Loamy/Clayey clay  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Type: C=Concentration, D=Depletion Reduced Matrix, MS=Masked Sand Grains.  Type: C=Concentration Reduced Reduced	AND AND ADDRESS OF THE PARTY OF		Color (moist)		Loc	-	The same of the sa	K	15	
Type: C=Concentration. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion RM=Reduced Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion Matrix (S6)  Type: C=Concentration. D=Depletion Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion Matrix, MS=Masked Sand Grains.  Type: C=Concentration. D=Depletion Matrix, MS=Masked Sand Grains.  Type: C=Concentration P=Poperation Remarks:  Type: C=Concentration P=Poperation P=Poperation P=Poperation And Matrix, MS=Masked Sand Grains.  Type: C=Concentration P=Poperation P=Poperation And Matrix Ms=Masked Sand Grains.  Type: C=Concentration P=Poperation P=Poperation And Grain P=Poperation A							13000			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Post	GLEY1 4/10 GY	30		· · · · · · · · · · · · · · · · · · ·		Loamy/	Clayey		clay	
Hydric Soil Indicators: Histic Epipedon (A2) Sandy Redox (S5) Histic Epipedon (A2) Sitriped Matrix (S6) Red Parent Material (F21) Very Shallow Dark Surface (F21) Stratified Layers (A5) Loamy Mucky Mineral (F1) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Thick Dark Surface (A12) Redox Dark Surface (F8) Sandy Mucky Mineral (S1) Some Mucky Mineral (S1) Some Mucky Mineral (S1) Some Mucky Mineral (S1) Some Mucky Peat or Peat (S3) Redox Dark Surface (F7) Redox Dark Surface (F8) Sandy Mucky Mineral (S1) Some Mucky Peat or Peat (S3) Redox Depressions (F8) Redox Depr	6-18 10YR 3/1	100		· — —		Loamy/	Clayey		clay	
Indicators for Problematic Hydric Soils				<del></del>			<del></del>			
Indicators for Problematic Hydric Soils				. — —	-	-				
Indicators for Problematic Hydric Soils				. — —	-	-				
Histic Epipedon (A2)					-					
Histosol (A1) Sandy Redox (S5) Iron-Manganese Masses (F12) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) X Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks)  Z em Muck (A10) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F5) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sorm Mucky Peat or Peat (S3) Redox Depressions (F8) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  In thick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  In thick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  In thick Dark Surface (B1) Persent? Yes X No Depth (Inches):  Hydric Soil Present? Yes X No Depth (Inches):  YPROLOGY  In Indicators (Inhimum of one is required: check all that apoly) Surface Soil Cracks (B6)  Figure Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6)  High Water Table (A2) Aquatic Feauna (B13) Drainage Patterns (B10)  Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2)  Carylish Burrows (C8) Saturation Visible on Aerial Imagery (C1)  Sediment Deposits (B3) Presence of Reduced iron (C4) Saturation Visible on Aerial Imagery (C1)  Iron Deposits (B5) Thin Muck Surface (C7) Sparsety Vegetated Concave Surface (B8) Other (Explain in Remarks)  Indicators (T1) Saturation (T2) Sparsety Vegetated Concave Surface (B8) Other (Explain in Remarks)  In Indicators (T2) Sparsety Vegetated Concave Surface (B8) Depth (Inches): 14  Vetarder Table Present? Yes X No Depth (Inches): 14  Vetarder Table Present? Yes X No Depth (Inches): 14  Vetarder Table Present? Yes X No Depth (Inches): 14  V		etion, RM=l	Reduced Matrix,	MS=Masked Sa	nd Grains.	ri .				
Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) K Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Thick Dark Surface (A12) Redox Dark Surface (F6) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8) wetland hydrology must be present, unless disturbed or problematic.  estrictive Layer (If observed): Type: Depth (inches): Pepth (inches): Pepth (inches): Pepth (inches): Pepth (inches): Pepth (inches): Pepth (inches): Peresent of wetland, severe ruts. Hydric soils are present. Hydric soils indicator Hydrogren Sulfide (A4) is satisfied.  PyDROLOGY  Petland Hydrology Indicators: Peresent (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) Figh Water Table (A2) Aguatic Fauna (B13) Drainage Patterns (B10) Saduration (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Carylish Burrows (C8) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation (C4) Saturation (C4) Sunted or Stressed Plants (D1) Iron Deposits (B3) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Iron Deposits (B3) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Iron Deposits (B3) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Iron Deposits (B3) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Iron Deposits (B3) Presence (R8) Other (Explain in Remarks) Ield Observations: Urlace Water Present? Yes X No Depth (Inches): 14 August Patrick Present? Yes X No Depth (Inches): 14 August Patrick Present? Yes X No Depth (Inches): 14 August Patrick Present? Yes X No Depth (Inches): 14 August Patrick Present? Yes X No Depth (Inches): 14 August Patrick	**************************************		0 1 0	111.00.000						Soils*:
Black Histic (A3)	There are not if the property			S property in the	)		The same			
Hydrogen Sulfide (A4)										
Stratified Layers (A5)	THE STATE OF THE S			NAME OF TAXABLE PARTY.					175,000 P.	)
Loamy Gleyed Matrix (F2)   Depleted Below Dark Surface (A11)   Depleted Matrix (F3)   Thick Dark Surface (A12)   Redox Dark Surface (F6)   3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   Sandy Mucky Mineral (S1)   Depleted Dark Surface (F7)   wetland hydrology must be present, unless disturbed or problematic.   Sandy Mucky Peat or Peat (S3)   Redox Depressions (F8)   Wetland hydrology must be present, unless disturbed or problematic.   Sestrictive Layer (if observed):				22 300001 20 500000	1)				1000 10	
Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Som Mucky Peat or Peat (S3) Redox Depressions (F8) Unless disturbed or problematic.  **Redox Depression (F8) Unless disturbed or problematic.  **Redox Depression (F8) Unless disturbed or problematic.  **Redox Depression (F8) Unless disturbed or Present? Pas X No Depth (Inches): 2 Unless disturbed or Present? Pas X No Depth (Inches): 2 Unless disturbed or Present? Pas X No Depth (Inches): 0 Unless disturbed or Present? Pas X No Depth (Inches): 0 Unless disturbed or Present? Pas X No Depth (Inches): 0 Unless disturbed or Present? Pas X No Depth (Inches): 0 Unless disturbed or Present? Pas X No	DI 15 N2		Loamy Gl	eyed Matrix (F2)	)					
Sandy Mucky Mineral (S1)	Depleted Below Dark Surface	(A11)	Depleted	Matrix (F3)						
Som Mucky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problematic.    Interpression   Redox Depressions (F8)   Redox Depressions				2 2				5 4 43	100	
testrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks: n eastern end of wetland, severe ruts. Hydric soils are present. Hydric soils indicator Hydrogren Sulfide (A4) is satisfied.  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) High Water Table (A2) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Yater Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Inin Muck Surface (C7) Inon Deposits (B5) Inin Muck Surface (C7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Vater Table Present? Ves X No Depth (inches):  Vetarnation (A3) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					7)				1000	ent,
Type: Depth (inches): Depth (i		)	Redox De	pressions (F8)	-		unless dis	sturbed or pro	oblematic.	
retland Hydrology Indicators: rimary Indicators (minimum of one is required; check all that apply)  K Surface Water (A1)  High Water Table (A2)  Water-Stained Leaves (B9)  High Water Table (A2)  Water Marks (B1)  Secondary Indicators (minimum of two required; check all that apply)  Water Marks (B1)  Saturation (A3)  True Aquatic Plants (B14)  Water Marks (B1)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Thin Muck Surface (C7)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Beld Observations:  urface Water Present?  Yes X  No  Depth (inches):  Depth (inches):  Detail Inadery (Persont)  Wetland Hydrology Present?  Yes X  No  Depth (inches):  Detail Ravailable:	Depth (inches):					Hydric So	oil Present?	Y	es X	No_
rimary Indicators (minimum of one is required: check all that apply)  Secondary Indicators (minimum of two required: check all that apply)  Surface Water (A1)  High Water Table (A2)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Iron Deposits (B4)  Iron Deposits (B5)  Iron Deposits (B5)  Sparisely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  urface Water Present?  Yes X  No  Depth (inches):  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches):	ruts. Hydri	c soils are preser	nt. Hydric soils ir	ndicator Hy	and the state of t	7700044 33.300775500005543		es_X_	No_
Water Name   Water   Stained Leaves   Section   Surface   Soil Cracks   Section   Surface   Soil Cracks   Section   Sourface   Soil Cracks   Section   Sourface   Soil Cracks   Section   Section   Soil Cracks   Section   Section   Section   Soil Cracks   Section   Section   Section   Soil Cracks   Section	Depth (inches): lemarks: n eastern end of wetland, severe	ruts. Hydri	c soils are preser	nt. Hydric soils ir	ndicator H	and the state of t	7700044 33.300775500005543		es X	No_
High Water Table (A2)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Ino Deposits (B5)  Ino Deposits (B5)  Separation Visible on Aerial Imagery (B7)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Indeed Water Table (A2)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  Thin Muck Surface (C7)  Stunted or Stressed Plants (D1)  A Gauge or Well Data (D9)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Ield Observations:  urface Water Present?  Yes X  No  Depth (inches):  2  Vater Table Present?  Yes X  No  Depth (inches):  0  Wetland Hydrology Present?  Yes X  No  ncludes capillary fringe)  Vescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches):  lemarks: n eastern end of wetland, severe	ruts. Hydri	c soils are preser	nt. Hydric soils ir	ndicator Hy	and the state of t	7700044 33.300775500005543		es X	No_
X Saturation (A3)  X Saturation (A3)  Water Marks (B1)  X Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Ield Observations:  Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C1)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Ield Observations:  Water Table Present? Yes X No Depth (inches): 2  Water Table Present? Yes X No Depth (inches): 0  Wetland Hydrology Present? Yes X No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0  Wetland Hydrology Present? Yes X No No Depth (inches): 0	Depth (inches):  Remarks: n eastern end of wetland, severe  YDROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of or		ed; check all that	apply)		and the state of t	ulfide (A4) is sa	tisfied.	imum of tw	N2000
Water Marks (B1) X Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C5) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Ield Observations: urface Water Present? Yes X No Depth (inches): 2 //ater Table Present? Yes X No Depth (inches): 14 aturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Includes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): emarks: eastern end of wetland, severe  YDROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of or C Surface Water (A1)		ed: check all that Water-Sta	apply) ained Leaves (B		and the state of t	Secondary Inc. Surface S	tisfied. dicators (min	imum of tw	N2000
Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Feld Observations:  urface Water Present?  Yes X  No  Depth (inches):  aturation Present?  Yes X  No  Depth (inches):  aturation Present?  Yes X  No  Depth (inches):  Depth (inches):  Other (Explain in Remarks)  Wetland Hydrology Present?  Yes X  No  Depth (inches):  Other (Explain in Remarks)  Wetland Hydrology Present?  Yes X  No  No  Depth (inches):  Other (Explain in Remarks)  Wetland Hydrology Present?  Yes X  No  No  Depth (inches):  Depth (inches):  Other (Explain in Remarks)  Wetland Hydrology Present?  Yes X  No  No  Depth (inches):  Depth (inches):  Other (Explain in Remarks)  No  Depth (inches):  Depth (inches):  Other (Explain in Remarks)  No  Depth (inches):  Other (Explain in Remarks)  Wetland Hydrology Present?  Yes X  No  No  Depth (inches):  Other (Explain in Remarks)	Depth (inches): emarks: eastern end of wetland, severe  YDROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of or C Surface Water (A1) High Water Table (A2)		ed: check all that Water-Sta Aquatic Fi	apply) ained Leaves (B auna (B13)	9)	and the state of t	ulfide (A4) is sa Secondary Inc Surface S Drainage	tisfied. dicators (min soil Cracks (B Patterns (B1	imum of tw 36) 0)	N2000
Algal Mat or Crust (B4)	Depth (inches): emarks: eastern end of wetland, severe  YDROLOGY  fetland Hydrology Indicators: rimary Indicators (minimum of or C Surface Water (A1) High Water Table (A2) C Saturation (A3)		ed: check all that Water-Sta Aquatic Fi	apply) ained Leaves (B auna (B13) atic Plants (B14)	9)	and the state of t	Secondary Int Surface S Drainage Dry-Seas	tisfied. dicators (min coil Cracks (E Patterns (B1 on Water Tal	imum of tw 36) 0) ble (C2)	4300 J
Iron Deposits (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Ield Observations:  urface Water Present? Yes X No Depth (inches): 2 //ater Table Present? Yes X No Depth (inches): 14 aturation Present? Yes X No Depth (inches): 0  Wetland Hydrology Present? Yes X No Depth (inches): 14 aturation Present? Yes X No Depth (inches): 0  Includes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): emarks: eastern end of wetland, severe  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of or Surface Water (A1) High Water Table (A2)  Saturation (A3) Water Marks (B1)		ed: check all that Water-Sta Aquatic Fi True Aqua	apply) ained Leaves (B auna (B13) atic Plants (B14) Sulfide Odor (C	9)	ydrogren Su	Secondary Int Surface S Drainage Dry-Seas Crayfish B	dicators (min foil Cracks (E Patterns (B1 on Water Tal Burrows (C8)	imum of tw 36) 0) ble (C2)	vo requ
Inundation Visible on Aerial Imagery (B7)	Depth (inches):  Itemarks:		ed: check all that Water-Ste Aquatic Fi True Aqua X Hydrogen Oxidized I	apply) ained Leaves (B auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or	9) ) C1) n Living Ro	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish I	dicators (min. ioil Cracks (E Patterns (B1 on Water Tal Burrows (C8) in Visible on A	imum of tw 36) 0) ble (C2) Aerial Imag	vo requ
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Depth (inches): 2	Depth (inches): emarks: eastern end of wetland, severe  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of or  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		ed: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Iro	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or of Reduced Iror on Reduction in	9) ) 21) n Living Ro n (C4)	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish B Saturatior Stunted o X. Geomorp	dicators (min soil Cracks (E Patterns (B1 on Water Tal Burrows (C8) n Visible on A r Stressed P hic Position (	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	vo requ
ield Observations:  urface Water Present? Yes X No Depth (inches): 2  //ater Table Present? Yes X No Depth (inches): 14  aturation Present? Yes X No Depth (inches): 0  wetland Hydrology Present? Yes X No Depth (inches): 0  mcludes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): emarks: eastern end of wetland, severe  yDROLOGY  //etland Hydrology Indicators: rimary Indicators (minimum of or	ne is require	ed: check all that Water-Sta Aquatic Fi True Aqua X Hydrogen Oxidized I Presence Recent Iro	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or of Reduced Iror on Reduction in c Surface (C7)	9) ) 21) n Living Ro n (C4)	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish B Saturatior Stunted o X. Geomorp	dicators (min soil Cracks (E Patterns (B1 on Water Tal Burrows (C8) n Visible on A r Stressed P hic Position (	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	vo requ
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Vater Table Present? Yes X No Depth (inches): 14 Wetland Hydrology Present? Yes X No noludes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches):  Remarks: In eastern end of wetland, severe  PYDROLOGY  Vetland Hydrology Indicators:  Indicators (minimum of or	ne is require	ed: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or of Reduced Iror on Reduction in c Surface (C7) Well Data (D9)	9) C1) n Living Ro n (C4) Tilled Soils	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish B Saturatior Stunted o X. Geomorp	dicators (min soil Cracks (E Patterns (B1 on Water Tal Burrows (C8) n Visible on A r Stressed P hic Position (	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	/o requ
aturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No ncludes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches):  Itemarks: In eastern end of wetland, severe  Itemarks: In eastern end of wetland, severe  Itemarks: In eastern end of wetland, severe  Itemark Indicators (minimum of or  Item	ne is require magery (B7) Surface (B	ed: check all that  Water-Sta Aquatic F: True Aqua X Hydrogen Oxidized I Presence Recent Ird Thin Muck Gauge or Other (Ex	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (Ci Rhizospheres or of Reduced Iror on Reduction in ( Surface (C7) Well Data (D9) plain in Remark	9) C1) n Living Ro n (C4) Tilled Soils	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish B Saturatior Stunted o X. Geomorp	dicators (min soil Cracks (E Patterns (B1 on Water Tal Burrows (C8) n Visible on A r Stressed P hic Position (	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	/o requ
ncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches):  temarks: n eastern end of wetland, severe  yDROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of or X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave  leld Observations: surface Water Present?	ne is require magery (B7) Surface (B	ed: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  Gauge or  Other (Ex	apply) ained Leaves (B: auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres of Reduced Iror on Reduction in s Surface (C7) Well Data (D9) plain in Remark	9) C1) C1) I Living Ron I (C4) Tilled Soil:	ydrogren Su	Secondary Inc. Surface S Drainage Dry-Seas. Crayfish B Saturatior Stunted o X. Geomorp	dicators (min soil Cracks (E Patterns (B1 on Water Tal Burrows (C8) n Visible on A r Stressed P hic Position (	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	/o requ
	Depth (inches):  temarks: n eastern end of wetland, severe  yDROLOGY  Vetland Hydrology Indicators: trimary Indicators (minimum of or X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave  leid Observations: turface Water Present? Yes Vater Table Present? Yes	magery (B7) Surface (B s X s X	ed: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  Gauge or  B)  Other (Ex	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (Ci Rhizospheres or of Reduced Iror on Reduction in on Surface (C7) Well Data (D9) plain in Remark: Depth (inches):	9) ) C1) C1) In Living Ron (C4) Tilled Soils s) : 2 : 14	pots (C3)	Secondary Int Surface S Drainage Dry-Sease Crayfish E Saturation Stunted o X Geomorp X FAC-Neul	dicators (min coil Cracks (E Patterns (B1 on Water Tal Burrows (C8) r Stressed P r Stressed P hic Position ( tral Test (D5)	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	ery (CS
	Depth (inches):  temarks: n eastern end of wetland, severe  yDROLOGY  Vetland Hydrology Indicators: trimary Indicators (minimum of or X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave  ield Observations: turface Water Present? Veriaturation Present? Veriaturation Present?	magery (B7) Surface (B s X s X	ed: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  Gauge or  B)  Other (Ex	apply) ained Leaves (Bi auna (B13) atic Plants (B14) Sulfide Odor (Ci Rhizospheres or of Reduced Iror on Reduction in on Surface (C7) Well Data (D9) plain in Remark: Depth (inches):	9) ) C1) C1) In Living Ron (C4) Tilled Soils s) : 2 : 14	pots (C3)	Secondary Int Surface S Drainage Dry-Sease Crayfish E Saturation Stunted o X Geomorp X FAC-Neul	dicators (min coil Cracks (E Patterns (B1 on Water Tal Burrows (C8) r Stressed P r Stressed P hic Position ( tral Test (D5)	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	vo requ
	Depth (inches):  temarks: n eastern end of wetland, severe  yDROLOGY  Vetland Hydrology Indicators: trimary Indicators (minimum of or X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave ield Observations: turface Water Present? Yes vater Table Present? Yes taturation Present? Yes includes capillary fringe)	magery (B7) Surface (B	ed: check all that Water-Sta Aquatic Fi True Aqua X Hydrogen Oxidized I Presence Recent Irc Thin Muck Gauge or Other (Ex	apply) ained Leaves (B: auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or of Reduced Iror on Reduction in of Surface (C7) Well Data (D9) plain in Remark: Depth (inches): Depth (inches):	9) )	ydrogren Su pots (C3) s (C6)	Secondary Int Surface S Drainage Dry-Sease Crayfish E Saturatior Stunted o X Geomorp X FAC-Neur	dicators (min coil Cracks (E Patterns (B1 on Water Tal Burrows (C8) r Stressed P r Stressed P hic Position ( tral Test (D5)	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	vo requ
	Depth (inches):  Itemarks: In eastern end of wetland, severe Itemarks: In eastern end of wetland, severe  Itemarks: In eastern end of wetland, severe  Itemary Indicators (minimum of or  Itemary Indicators (Mal)  Ite	nagery (B7) Surface (B) s X s X gauge, more	ed: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen Oxidized I  Presence Recent Irr  Thin Much Gauge or  No No No No Intoring well, aeria	apply) ained Leaves (B: auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres or of Reduced Iror on Reduction in ( Surface (C7) Well Data (D9) plain in Remark  Depth (inches): Depth (inches): al photos, previo	9) ) C1) n Living Ron (C4) Tilled Soils s) : 2 : 14 : 0	pots (C3) s (C6)  Wetland	Secondary Int Surface S Drainage Dry-Sease Crayfish E Saturatior Stunted o X Geomorp X FAC-Neur	dicators (min coil Cracks (E Patterns (B1 on Water Tal Burrows (C8) r Stressed P r Stressed P hic Position ( tral Test (D5)	imum of tw 36) 0) ble (C2) Aerial Imag lants (D1) D2)	vo requ

U.S. Army Corps of WETLAND DETERMINATION DATA	and the second s	/lidwest R	egion		nent Control S EXEMPT		
See ERDC/EL TR-07-24; the propor	ent agency is	s CECW-0	CO-R	(Authority: AF	₹ 335-15, para	graph 5	i-2a)
Project/Site: Chicago O'Hare International Airport (O	RD)	City/Cou	nty: Chicago	/DuPage			2019
Applicant/Owner: City of Chicago				State: IL	Sampling Poir	nt: SW19	-146 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, M	lead & Hunt, Inc	Section, T	ownship, Ran	ige: Section 12, T40	N, R11E		
Landform (hillside, terrace, etc.): shoulder			Local relief (co	oncave, convex, none	): convex		
Slope (%): 10 Lat: 41.97124266					,		
Soil Map Unit Name: 805B - Orthents, clayey, undula							
						TO A CO	
Are climatic / hydrologic conditions on the site typical				No X (If no, e			
Are Vegetation, Soil, or Hydrology						No	_
Are Vegetation, Soil, or Hydrology	_naturally probl	ematic? (	If needed, exp	olain any answers in F	temarks.)		
SUMMARY OF FINDINGS - Attach site n	nap showing	g samplin	g point lo	cations, transect	s, important f	eatures	, etc.
Hydric Soil Present? Yes I	No X		Sampled Are		No_X		
Wetter than normal. Area mown occassionaly. Stoci							
VEGETATION – Use scientific names of p							
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test w	orksheet:		
1		-		Number of Dominar Are OBL, FACW, or		1	(A)
3. 4.	•			Total Number of Do Across All Strata:	minant Species	2	(B)
5.		Total Cover		Percent of Dominan Are OBL, FACW, or		50.0%	(A/B)
Sapling/Shrub Stratum (Plot size:		Total Cover				30.070	_(/VD)
1.	a <del></del>			Prevalence Index v			
2				Total % Cover		iply by:	_
3.				OBL species	0 x 1 = _	0	-
4				FACW species	0 x 2 =	0	_
5				FAC species	20 x 3 =	60	-
	=	Total Cover		FACU species	8 x 4 = _	32	-,
Herb Stratum (Plot size: 5ft )					72 x 5 =	360	
1. Securigera varia	70	Yes	UPL	Column Totals:		452	_(B)
2. Poa pratensis		Yes	FAC	Prevalence Index	:=B/A= <u>4</u>	1.52	-
3. Taraxacum officinale	5	No	FACU		504 BRANCH BOWN BOWN BOOK TOOK		
4. Plantago lanceolata	3 .	No	FACU	Hydrophytic Veget		N 6	
5. Leucanthemum vulgare	2	No	UPL	<del></del>	or Hydrophytic Ve	getation	
6.				2 - Dominance	management management		
\ \frac{\tau_{\color}}{\color} =	-			3 - Prevalence I	ndex is ≤3.0 al Adaptations¹ (P		
8.					al Adaptations (P irks or on a separa		600
9.					-32		
10	100	Total Carra	——		drophytic Vegetati	1050 15	
Woody Vine Stratum (Plot size:	=	Total Cover		<sup>1</sup> Indicators of hydric be present, unless of			must
1.				Hydrophytic			
2		T. 1.5		Vegetation	20		
	=	Total Cover		Present? Ye	sNo	<u>x</u>	
Remarks: (Include photo numbers here or on a sep Community Type: developed land HGM Type: Hy		tation is not	present.				

C MELECULOCUPUS DOCUMENTALISMO MELECU		depth needed to document the indicator	or confirm the absence	of indicators.)
AND DATE OF THE PARTY OF T	Matrix noist) %	Redox Features  Color (moist) % Type <sup>1</sup> L	oc <sup>2</sup> Texture	Remarks
inches) Color (n	Desire constitution			-
0-4 10YR		- — — — — —	Loamy/Clayey	clay loam
4-8 10YR	trees action		Loamy/Clayey	clay loam
8-14 10YR	4/3 100	<u> </u>	Sandy	coarse sand with small pebbles
				and 1-2" gravel
**				
Type: C=Concentration	, D=Depletion, F	RM=Reduced Matrix, MS=Masked Sand G	ains. <sup>2</sup> Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:				rs for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Gleyed Matrix (S4)		st Prairie Redox (A16)
Histic Epipedon (A2)		Sandy Redox (S5)		Manganese Masses (F12)
Black Histic (A3)	name:	Stripped Matrix (S6)		Parent Material (F21)
Hydrogen Sulfide (A4		Dark Surface (S7)	- Constant	Shallow Dark Surface (F22)
Stratified Layers (A5)	ı	Loamy Mucky Mineral (F1)	Otne	r (Explain in Remarks)
2 cm Muck (A10)	7544)	Loamy Gleyed Matrix (F2)		
Depleted Below Dark		Depleted Matrix (F3)	3 In dia ata	70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Thick Dark Surface (A		Redox Dark Surface (F6)		rs of hydrophytic vegetation and
Sandy Mucky Minera 5 cm Mucky Peat or	(3) (6)	Depleted Dark Surface (F7)  Redox Depressions (F8)		and hydrology must be present, ss disturbed or problematic.
		Tredox Depressions (. 5)		is disturbed or problemane.
Restrictive Layer (if obs Type:	serveaj.			
			I	
Depth (inches):  Remarks: Hydric soils are not prese	ent. Does not m	eet hydric soils criteria.	Hydric Soil Present	1? Yes <u> </u>
Depth (inches):	∍nt. Does not m	eet hydric soils criteria.	Hydric Soll Presen	1? Yes <u> </u>
Depth (inches):	ent. Does not m	eet hydric soils criteria.	Hydric Soil Presen	1? Yes No
Depth (inches): Remarks: Hydric soils are not prese		eet hydric soils criteria.	Hydric Soil Presen	1? Yes No
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi	icators:	eet hydric soils criteria.		t? Yes No
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minin Surface Water (A1)	icators: num of one is re	equired; check all that apply)Water-Stained Leaves (B9)	Secondal Surfa	ry Indicators (minimum of two requir ace Soil Cracks (B6)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minin Surface Water (A1) X High Water Table (A2)	icators: num of one is re	equired; check all that apply) Water-Stained Leaves (B9)Aquatic Fauna (B13)	Secondai Surfa Drair	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minin Surface Water (A1) X High Water Table (A2 X Saturation (A3)	icators: num of one is re	equired; check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	Secondal Surfa Drain Dry-S	ry Indicators (minimum of two requirence Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1) X High Water Table (A3 X Saturation (A3) Water Marks (B1)	icators: num of one is re 2)	equired; check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)	Secondal Surfa Drair Dry-S Cray	ry Indicators (minimum of two requirence Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
Depth (inches):  Remarks: Hydric soils are not present  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1)  X High Water Table (A3) Water Marks (B1) Sediment Deposits (inches)	icators: num of one is re 2)	equired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livi	Secondal Surfa Drair Dry-s Cray Roots (C3) Satu	ry Indicators (minimum of two requirace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1)  X High Water Table (A: X Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	icators: num of one is re 2) B2)	equired: check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Livit	Secondal   Surfa   Drair   Dry-5   Cray   ng Roots (C3)	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1)  X High Water Table (A2)  X Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B	icators: num of one is re 2) B2)	equired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livit  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled	Secondal	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1)  X High Water Table (A2)  X Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B Iron Deposits (B5)	icators: num of one is re 2) B2)	equired; check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)	Secondal	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
Depth (inches):  Remarks: Hydric soils are not present the present	icators: num of one is re  2)  B2)  4)  Aerial Imagery	equired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livii  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  (B7)  Gauge or Well Data (D9)	Secondal	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Depth (inches):  Remarks: Hydric soils are not prese  IYDROLOGY  Wetland Hydrology Indi Primary Indicators (minim Surface Water (A1)  X High Water Table (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Inundation Visible on Sparsely Vegetated (	icators: num of one is re  2)  B2)  4)  Aerial Imagery	equired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livii  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  (B7)  Gauge or Well Data (D9)	Secondal	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Depth (inches):  Remarks: Hydric soils are not present the present	icators: num of one is re  2)  B2)  4)  Aerial Imagery Concave Surfac	equired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livii  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  Gauge or Well Data (D9)  te (B8)  Other (Explain in Remarks)	Secondal	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Depth (inches): Remarks: Hydric soils are not present the present	icators: num of one is re  2)  B2)  44)  Aerial Imagery Concave Surfac	equired; check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livi  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  Gauge or Well Data (D9)  ot (B8)  Other (Explain in Remarks)	Secondal Surfa Drair Dry-\$ Cray ng Roots (C3) Saturl Soils (C6) Geor FAC-	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Depth (inches):  Remarks: Hydric soils are not present the present	icators: num of one is re  2)  B2)  Aerial Imagery Concave Surfac  Yes Yes X	equired; check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Livin Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Gauge or Well Data (D9) De (B8)  No X Depth (inches): No Depth (inches):  1	Secondal Surfa Drair Dry-S Cray ng Roots (C3) Satur Soils (C6) FAC:	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Depth (inches): Remarks: Hydric soils are not present process.  Remarks: Hydric soils are not present process.  Remarks: Hydric soils are not present process.  Remarks: Hydric soils are not present present?  Remarks: Hydric soils are not present present?  Remarks: Hydric soils are not present present?  Remarks: Hydric soils are not present?	icators: num of one is re  2)  B2)  44)  Aerial Imagery Concave Surfac  Yes Yes X Yes X	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Livi Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks)  No X Depth (inches): No Depth (inches): 1	Secondal Surfa Drair Dry-S Cray ng Roots (C3) Satur Soils (C6) FAC:	ry Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Depth (inches): Remarks: Hydric soils are not present and present	icators: num of one is re  2)  B2)  44)  Aerial Imagery Concave Surfac  Yes Yes X Yes X	equired; check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Livin Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Gauge or Well Data (D9) De (B8)  No X Depth (inches): No Depth (inches):  1	Secondal Surfa Drair Dry-S Cray Saturl Soils (C6)  Wetland Hydrolog	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Depth (inches): Remarks: Hydric soils are not present and present	icators: num of one is re  2)  B2)  44)  Aerial Imagery Concave Surfac  Yes Yes X Yes X	equired; check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livit  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  Gauge or Well Data (D9)  te (B8)  Other (Explain in Remarks)  No  Depth (inches):  No  Depth (inches):	Secondal Surfa Drair Dry-S Cray Saturl Soils (C6)  Wetland Hydrolog	ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Depth (inches): Remarks: Hydric soils are not present and present	icators: num of one is re  2)  B2)  Aerial Imagery Concave Surfac  Yes Yes X Yes X (stream gauge,	equired; check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Livit  Presence of Reduced Iron (C4  Recent Iron Reduction in Tilled  Thin Muck Surface (C7)  Gauge or Well Data (D9)  Other (Explain in Remarks)  No  Depth (inches):  No  Depth (inches):  Other (inches)	Secondal Surfa Drair Dry-S Cray Saturl Soils (C6)  Wetland Hydrolog	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)

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APPENDIX L L-270 NOVEMBER 2022

WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propon	SHEET - I	Midwest R	17.5	_ <u>-</u>	ent Control Sy EXEMPT 335-15, parag	
Project/Site: Chicago O'Hare International Airport (OI Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Conor Makepeace, M		_		State: IL	Sampling Point:	
Landform (hillside, terrace, etc.): swale			_ocal relief (co	oncave, convex, none):	concave	
Slope (%): <1% Lat: 41.97128362		Long: -	87.93574797		Datum: WGS84	
Soil Map Unit Name: 805B - Orthents, clayey, undula					-	
Are climatic / hydrologic conditions on the site typical				No X (If no, exp	·	
CO DE DE MEMORETE DE CALLES AND DE MANOREMENTE DE LA COMPANION						
Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology				olain any answers in Rei		10 <u>X</u>
SUMMARY OF FINDINGS – Attach site n			-	(E)		atures, etc
Hydric Soil Present? Yes X Metland Hydrology Present? Yes X Metland Hydrology Present?	No	withir	Sampled Are	Yes X		
Wetter than normal thru September; heavy rains 2-3  VEGETATION – Use scientific names of pl	200 10	ea is mown o	ccassionally.	Constructed swale betw	een 2 stockpiles.	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1				Number of Dominant	and area	2 (4)
2.	-			Are OBL, FACW, or F		2 (A)
4	3 :			Total Number of Dom Across All Strata:	inant Species	2 (B)
5.				Percent of Dominant	——Species That	(=/
Sapling/Shrub Stratum (Plot size:		Total Cover	. a.	Are OBL, FACW, or F		00.0% (A/B
1.				Prevalence Index wo	rksheet:	
2.				Total % Cover of	: Multipl	ly by:
3.	0 K 0			OBL species 35	5 x1=	35
4.				FACW species 50	x 2 =	100
5				FAC species 0	x 3 =	0
The 12 (Mars) 42 Mars 12 Mars		=Total Cover		FACU species0	180 10	0
Herb Stratum (Plot size: 5ft )				UPL species 0		0
1. Juncus dudleyi	40	Yes	FACW		5 (A)	135 (B)
Eleocharis obtusa     Phragmites australis		Yes No	OBL FACW	Prevalence Index :	= B/A = <u>1.5</u>	9
Lythrum salicaria	5	No	OBL	Hydrophytic Vegetat	ion Indicators:	
5.				X 1 - Rapid Test for		etation
6.				X 2 - Dominance Te		old (IO)
7.				X 3 - Prevalence Inc		
8.				4 - Morphological		vide supportir
9.					s or on a separate	
10.	•			Problematic Hydro	ophytic Vegetation	n <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:	85	Total Cover		<sup>1</sup> Indicators of hydric so be present, unless dis		
1.				Hydrophytic		
2.		Total Cover		Vegetation Present? Yes	X No	
Remarks: (Include photo numbers here or on a sep Community Type: wet meadow HGM Type: depres		ohytic vegetat	ion is present			

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APPENDIX L L-271 NOVEMBER 2022

Donth	noute emperations were united to	to the dep				ניטו טו (	confirm the absence	of marcators.)	
Depth (inches)	Matrix	%	CONT. INC. 1996. NO. 1996.	x Featur	es Type <sup>1</sup>	Loc <sup>2</sup>	Toytura	Domarko	
(inches)	Color (moist)		Color (moist)	90	Туре	LOC	Texture	Remarks	
0-4	10YR 2/1	100	(0_0700 N_20 00000	1 d	2000	50400	Loamy/Clayey	clay loam	39977
4-6	10YR 2/1	97	7.5YR 4/6	3	<u> </u>	_M_	Loamy/Clayey	Prominent redox concentr	ation
						-			
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	ked Sand	Grains	<sup>2</sup> Location	: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:							s for Problematic Hydric Soi	ils³:
Histoso	(A1)		Sandy Gle	eyed Mat	rix (S4)		Coas	t Prairie Redox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)			Iron-	Manganese Masses (F12)	
Black H	istic (A3)		Stripped N	//atrix (S	3)		Red	Parent Material (F21)	
Hydroge	en Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)	
Stratifie	d Layers (A5)		Loamy Mu	icky Min	eral (F1)		X Othe	r (Explain in Remarks)	
_	uck (A10)		Loamy Glo						
Deplete	d Below Dark Surface	(A11)	Depleted I						
Thick D	ark Surface (A12)		Redox Da	rk Surfa	e (F6)		3 Indicator	s of hydrophytic vegetation an	d
— Sandy M	Mucky Mineral (S1)		Depleted	Dark Sui	face (F7)		wetla	nd hydrology must be present,	,
5 cm M	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unles	s disturbed or problematic.	
Restrictive	Layer (if observed):		<del></del>						
Towns									
Type:	compacted g	gravel							
Depth (i Remarks:	nches):	6	ravel is present. Wh	nile indic	ator criter	ia for F	Hydric Soil Present	? Yes X I	No_
Depth (i Remarks: Remarks: R	nches):	6	ravel is present. Wh	nile indic	ator crite	ia for F	30 COMPANY CONTROLOGY ST. 2017/193000	2004.00	
Depth (i Remarks: Remarks: R	nches):  estrictive layer of con	6	avel is present. Wh	nile indic	ator crite	ria for F	30 COMPANY CONTROLOGY ST. 2017/193000	2004.00	
Depth (i Remarks: Remarks: R Soil is hydri HYDROLO Wetland Hy	estrictive layer of con	6 npacted gr			ator criter	ia for F	6 is not met, hydrophy	cic vegetation and hydrology ar	re me
Depth (i Remarks: Remarks: R Soil is hydri HYDROLO Wetland Hy Primary Ind	estrictive layer of con  OGY  rdrology Indicators: cators (minimum of continuum of	6 npacted gr	iired; check all that	apply)		ia for F	6 is not met, hydrophy	tic vegetation and hydrology ar	re me
Depth (i Remarks: Remarks: R Soil is hydri HYDROLO Wetland Hy Primary Ind X Surface	estrictive layer of conc.  DGY  rdrology Indicators: cators (minimum of c	6 npacted gr	ired; check all that Water-Sta	apply) ined Lea	aves (B9)	ia for F	6 is not met, hydrophy  Seconda Surfa	y Indicators (minimum of two I	re me
Depth (i Remarks: Remarks: R Soil is hydri  HYDROLO Wetland Hy Primary Ind X Surface X High W:	estrictive layer of conce.  OGY  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2)	6 npacted gr	iired: check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	aves (B9) 3)	ia for F	6 is not met, hydrophy Seconda Surfa	y Indicators (minimum of two nace Soil Cracks (B6) age Patterns (B10)	re me
Depth (i Remarks: Remarks: R Soil is hydri  HYDROLO Wetland Hy Primary Ind X Surface X High W: X Saturati	estrictive layer of conc.  OGY  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3)	6 npacted gr	i <u>ired: check all that</u> Water-Sta Aquatic Fe True Aqua	apply) nined Lea auna (B1 atic Plani	aves (B9) 3) s (B14)		6 is not met, hydrophy  Seconda Surfa Drair Dry-3	y Indicators (minimum of two ince Soil Cracks (B6) lage Patterns (B10)	re me
Depth (i Remarks: Remarks: R Soil is hydri  HYDROLC Wetland Hy Primary Ind X Surface X High Wi X Saturati Water M	estrictive layer of conc.  OGY  rdrology Indicators: cators (minimum of c) Water (A1) ater Table (A2) on (A3) Marks (B1)	6 npacted gr	iired: check all thatWater-StaAquatic Fa True Aqua Hydrogen	apply) iined Lea auna (B1 atic Plan Sulfide	aves (B9) 3) s (B14) Odor (C1	)	Seconda Surfa Drair Cray	y Indicators (minimum of two Indicators (B6) age Patterns (B10) Beason Water Table (C2) fish Burrows (C8)	re me
Depth (i Remarks: Remarks: Remarks: R Soil is hydri  HYDROLC  Wetland Hy Primary Ind X Surface X High W: X Saturati Water M Sedime	estrictive layer of conc.  OGY  rdrology Indicators: cators (minimum of concentration of co	6 npacted gr	iired; check all that  Water-Sta  Aquatic Fi  True Aqua Hydrogen Oxidized F	apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph	aves (B9) 3) s (B14) Odor (C1 eres on I	) Living R	Seconda Surfa Drair Dry-s Cray oots (C3) Sa not met, hydrophy	y Indicators (minimum of two I ice Soil Cracks (B6) iage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagen	re me
Depth (i Remarks: Remarks: R Soil is hydri  HYDROLC  Wetland Hy Primary Indi X Surface X High W: X Saturati Water M Sedime Drift De	estrictive layer of conc.  OGY  redrology Indicators: cators (minimum of concording) ater (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	6 npacted gr	iired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized F	apply) nined Lea auna (B1 atic Plan Sulfide Rhizosph of Redu	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (	) Living R C4)	Seconda Surfa Drair Cray oots (C3) Si not met, hydrophy	y Indicators (minimum of two Ince Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagen, and or Stressed Plants (D1)	re ma
Depth (i Remarks: Remarks: Remarks: R Soil is hydri  AYDROLC  Wetland Hy Primary Indi X Surface X High W. X Saturati Water M Sedime Drift De Algal M	estrictive layer of conc.  DGY  vidrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	6 npacted gr	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro	apply) nined Lea auna (B1 atic Plan Sulfide Rhizosph of Redu on Reduc	aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (	) Living R C4)	Seconda	y Indicators (minimum of two loce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagen, and or Stressed Plants (D1) morphic Position (D2)	re ma
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