Appendix H. Midwest Region Data Sheets

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propor	SHEET - N			1	ent Control Sy EXEMPT 335-15, paragi	
Project/Site: Chicago O'Hare International Airport (O	RD)	City/Cou	nty: Chicago/	/Cook	Sampling Date:	8/22/2019
Applicant/Owner: City of Chicago	(LD)	_ 00,000	inty. Onleage	State: IL	Sampling Point:	
Investigator(s): Brauna Hartzell, Conor Makepeace, M	feed & Hunt Inc	Section 7	Township Pan	907 339 St 50- 52505921	- 20 (E)	14213-13-01-2
2001 86 90	***			100		
Landform (hillside, terrace, etc.): basin			manufacture programme with	oncave, convex, none):		
Slope (%): <1% Lat: 41.99306858	None Address	Long: -	87.88347468	processor 10 10		
Soil Map Unit Name: 533 - Urban land (Non-hydric (C				NWI classi		
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation, SoilX_, or Hydrology			Are "Normal Ci	ircumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	_naturally probl	lematic? (	If needed, exp	olain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site n	nap showin	g samplir	ng point lo	cations, transects	, important fea	atures, etc.
Hydrophytic Vegetation Present? Yes	No_X_	Is the	Sampled Are	ea		
Professional State Control Con	No <u>x</u>	withi	n a Wetland?	Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks: Constructed detention area.  VEGETATION – Use scientific names of p	lante					
regeration – Ose scientific flames of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	manife arm	1 (A)
3	-0			Total Number of Dom	ninant Species	
4				Across All Strata:		3 (B)
5		T. 10		Percent of Dominant		0.00/ (4/0)
<u>Sapling/Shrub Stratum</u> (Plot size:		Total Cover		Are OBL, FACW, or F	-AC:3	(A/B)
	_/		H	Prevalence Index we	nrksheet:	
1				Total % Cover o		v bv:
3.					x 1 =	0
4.					5 x 2 =	90
5.	-			FAC species (	0 x 3 =	0
	=	Total Cover		FACU species 4	0 x 4 =	160
Herb Stratum (Plot size: 5 ft )				UPL species1	5 x 5 =	75
Solidago sempervirens	45	Yes	FACW	Column Totals: 10	00 (A)	325 (B)
Bouteloua dactyloides	20	Yes	FACU	Prevalence Index	= B/A = <u>3.2</u>	5
3. Symphyotrichum ericoides	20	Yes	FACU	**************************************	A Britan Colonia Colonia Britannia Colonia Col	
4. Dipsacus laciniatus	15	No	UPL	Hydrophytic Vegetal		16
5.					r Hydrophytic Vege	etation
6. 7.			<del></del>	2 - Dominance To 3 - Prevalence In	and the second s	
8.	-				uex is ≤3.0 I Adaptations¹ (Pro	vide supporting
9.					ks or on a separate	
10.	-0				ophytic Vegetation	
	100 =	Total Cover		<sup>1</sup> Indicators of hydric s		
Woody Vine Stratum (Plot size:1.	_)			be present, unless dis		
2.				Hydrophytic		
		Total Cover		Vegetation Present? Yes	No X	
Remarks: (Include photo numbers here or on a sep			1.5			=
Community Type: developed land HGM Type: N/A	and the same of th	as Ambrosia	trifida, Helian	thus sp. Hydrophytic	vegetation not pres	sent.

rofile Descrip											
epth _	Matrix	511	CHT 10 1784 V 1847	dox Feature		. 2	-	1			
nches)	Color (moist)		Color (moist)	%_	Туре	Loc <sup>2</sup>	-	ture		Remarks	A2001 01
0-6	7.5YR 3/1	100					Loamy	/Clayey	sand	y loam with p	ebbles
6-16	7.5YR 3/2	70					Loamy	/Clayey	sandy lo	oam; mixed/pl	aced so
	7.5YR 4/4	30									
-	-										
ype: C=Con	centration, D=Dep	letion, RM:	=Reduced Matrix	, MS=Mask	ed Sand	Grains.	(	<sup>2</sup> Location:	PL=Pore Li	ning, M=Matr	ix.
dric Soil Inc	dicators:							Indicators	for Proble	matic Hydric	Soils <sup>3</sup> :
Histosol (A	.1)		Sandy C	Sleyed Matr	ix (S4)			Coast	Prairie Red	ox (A16)	
_Histic Epipe			<del></del>	Redox (S5)						Masses (F12)	
Black Histic				Matrix (S6	i)			700000000000000000000000000000000000000	arent Materi	AND THE RESERVE	
	Sulfide (A4)			rface (S7)	3.72					Surface (F2:	2)
_Stratified La				Mucky Mine				Other	(Explain in F	Remarks)	
_2 cm Muck	STATE STREET	· /A11\	-	Gleyed Mati							
- Landing to the same	Selow Dark Surface Surface (A12)	(A11)		d Matrix (F3 Dark Surfac				3 Indicators	of hydrophy	tic vegetation	and
_	ky Mineral (S1)			d Dark Surf					8 8 8	must be pres	
-	y Peat or Peat (S3	3)		Depressions	10 10				100 1000	r problematic	
strictive La	yer (if observed):										
Type:											
Depth (inchemarks:	nes): ormwater detention	n area. Hyd	dric soils are not	present. Do	oes not n	neet hyd	and accordant to a	oil Present?		Yes	No_
Depth (inchemarks:	ormwater detention	n агеа. Нус	dric soils are not	present. Do	oes not n	neet hyd	and accordant to a	anotose anaonespopolis		Yes	No_
Depth (inchemarks: onstructed sto	ormwater detention		dric soils are not	present. Do	pes not n	neet hyd	and accordant to a	anotose anaonespopolis	•	Yes	No _
Depth (inchemarks: onstructed sto	ormwater detention  Y  ology Indicators:				pes not n	neet hyd	and accordant to a	teria.			
Depth (inchemarks: onstructed sto	ormwater detention  Y  ology Indicators:		red; check all th		N. 07295	neet hyd	and accordant to a	teria. <u>Secondar</u> y		minimum of t	
Depth (inchemarks: onstructed stormarks)  **TOROLOG**  etland Hydro imary Indicate Surface Wi	ormwater detention  Y  ology Indicators:		red: check all th	at apply)	ves (B9)	neet hyd	and accordant to a	teria. <u>Secondary</u> Surfac	Indicators (	minimum of t	
Depth (inchemarks: onstructed stormarks)  "DROLOG etland Hydro imary Indicate Surface Williams"	ormwater detention  Y  ology Indicators: tors (minimum of cater (A1)  r Table (A2)		red: check all th Water-S Aquatic	at apply) Stained Leav	ves (B9) 3)	neet hyd	and accordant to a	Secondary Surfac	<u>Indicators (</u> e Soil Crack ge Patterns	minimum of t	9(4)
Depth (inchemarks: marks: markructed store  DROLOG  etland Hydro mary Indicat Surface Wo High Water Saturation Water Mark	ormwater detention  SY  blogy Indicators:  cors (minimum of coater (A1)  r Table (A2)  (A3)  ks (B1)		red: check all th Water-S Aquatic True Aq Hydroge	at apply) Stained Leav Fauna (B1: uatic Plants en Sulfide C	ves (B9) 3) s (B14) Odor (C1)		ric soils cri	Secondary Surfac Draina Dry-Se	r Indicators ( le Soil Crack ge Patterns eason Water sh Burrows (	minimum of t iss (B6) (B10) r Table (C2)	wo regi
Depth (inchemarks: marks: markructed state  DROLOG  etland Hydra mary Indicat Surface Water High Water Saturation Water Mark Sediment D	ormwater detention  SY  blogy Indicators:  tors (minimum of content (A1)  r Table (A2)  (A3)  ks (B1)  Deposits (B2)		red; check all th Water-S Aquatic True Ao Hydroge Oxidized	at apply) Stained Leav Fauna (B1: uatic Plants en Sulfide C d Rhizosphe	ves (B9) 3) s (B14) Odor (C1) eres on L	iving Ro	ric soils cri	Secondary Surfac Draina Dry-Se Crayfi	r Indicators ( le Soil Crack ige Patterns eason Water sh Burrows ( tion Visible	minimum of t rs (B6) (B10) r Table (C2) (C8) on Aerial Ima	wo requ
Depth (inchemarks: marks: markructed state  DROLOG  etland Hydra mary Indicat Surface W: High Water Saturation Water Mark Sediment I Drift Depos	ormwater detention  SY  ology Indicators: ors (minimum of cater (A1)  r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3)		red: check all th  Water-S  Aquatic  True Ac  Hydroge  Oxidized	at apply) Stained Leav Fauna (B1; uatic Plants en Sulfide C d Rhizospho ee of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L	iving Ro	ric soils cri	Secondary Surface Draina Dry-Se Crayfie Satura Stunte	r Indicators ( te Soil Crack ge Patterns eason Water sh Burrows ( tion Visible d or Stresse	minimum of t ks (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1	wo requ
Depth (inchemarks: marks: marks: marked sta  DROLOG  etland Hydro mary Indicat Surface Wood High Water Saturation Water Mark Sediment I Drift Depos Algal Mat of	ornwater detention  SY  ology Indicators: tors (minimum of cater (A1)  r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4)		red: check all th  Water-S  Aquatic  True Ad  Hydroge  Oxidized  Presend  Recent	at apply) Stained Leav Fauna (813 uatic Plants en Sulfide C d Rhizospho ee of Reduc Iron Reduct	ves (B9) 3) s (B14) odor (C1) eres on L ed Iron ( tion in Til	iving Ro	ric soils cri	Secondary Surface Draina Dry-Se Crayfi Satura Stunte X Geom	r Indicators ( le Soil Crack ige Patterns ason Water sh Burrows ( tion Visible d or Stresse orphic Posit	minimum of t iss (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1) ion (D2)	wo requ
DROLOG  atland Hydro mary Indicat Surface Water Mark Sediment I Drift Depos Algal Mat o	ornwater detention  SY  pology Indicators: tors (minimum of country of countr	one is requi	red: check all th Water-S Aquatic True Ac Hydroge Oxidizer Presenc	at apply) stained Leav Fauna (B1: uatic Plants en Sulfide C d Rhizosphe e of Reduc lron Reduci	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron ( tion in Til	iving Ro	ric soils cri	Secondary Surface Draina Dry-Se Crayfi Satura Stunte X Geom	r Indicators ( te Soil Crack ge Patterns eason Water sh Burrows ( tion Visible d or Stresse	minimum of t iss (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1) ion (D2)	wo requ
DROLOG  etland Hydro mary Indicat Surface Wa High Water Saturation Water Mark Sediment I Drift Depos Algal Mat of	ornwater detention  SY  pology Indicators:  tors (minimum of content of conte	one is requi	red: check all th  Water-S  Aquatic  True Aq  Hydroge  Oxidizer  Presend  Recent  Thin Mu  Gauge (6)	at apply) stained Leav Fauna (B1; uatic Plants an Sulfide C d Rhizosphe e of Reduc lron Reduct ck Surface or Well Data	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron ( tion in Til (C7) a (D9)	iving Ro	ric soils cri	Secondary Surface Draina Dry-Se Crayfi Satura Stunte X Geom	r Indicators ( le Soil Crack ige Patterns ason Water sh Burrows ( tion Visible d or Stresse orphic Posit	minimum of t iss (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1) ion (D2)	wo requ
Depth (inchemarks: Instructed stores of the constructed stores of the	ornwater detention  ornwat	one is requi	red: check all th  Water-S  Aquatic  True Aq  Hydroge  Oxidizer  Presend  Recent  Thin Mu  Gauge (6)	at apply) stained Leav Fauna (B1: uatic Plants en Sulfide C d Rhizosphe e of Reduc lron Reduci	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron ( tion in Til (C7) a (D9)	iving Ro	ric soils cri	Secondary Surface Draina Dry-Se Crayfi Satura Stunte X Geom	r Indicators ( le Soil Crack ige Patterns ason Water sh Burrows ( tion Visible d or Stresse orphic Posit	minimum of t iss (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1) ion (D2)	wo req
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Depth (inchemarks: Constructed state of the constructed of the co	ormwater detention  ormwat	magery (B7 Surface (I	red: check all th  Water-S  Aquatic  True Aq  Hydroge  Oxidizer  Present  Recent  Thin Mu  7)  Gauge 6  B8)  Other (E	at apply) stained Leav Fauna (B1; uatic Plants en Sulfide C d Rhizosphe e of Reduc lron Reduct ck Surface or Well Data xxplain in R	ves (B9) 3) s (B14) dor (C1) eres on L ered ron ( tion in Til (C7) a (D9) emarks) ches): ches):	iving Rc C4) led Soils	oots (C3)	Secondary Surface Draina Dry-Se Crayfi Satura Stunte X Geom	r Indicators ( de Soil Crack ge Patterns de Patterns de Patterns de Patterns de or Stresse de orphic Posit de leutral Test	minimum of t iss (B6) (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D1) ion (D2)	wo reau
Depth (inchemarks: onstructed state onstructed onstr	ormwater detention  ormwater detention  ormwater detention  ormwater detention  ormwater detention  ormwater detention  ater (A1)  r Table (A2)  (A3)  ks (B1)  Deposits (B2)  or Crust (B4)  its (B5)  or Crust (B4)  its (B5)  Visible on Aerial In  oregetated Concave  tions:  Present? Ye  resent? Ye  sent? Ye	magery (B: Surface (I	red: check all th	at apply)  tained Leav Fauna (B13 uatic Plants en Sulfide C d Rhizosphe er of Reduc lron Reduct ck Surface or Well Date Explain in R	ves (B9) 3) s (B14) dor (C1) eres on L ered ron ( tion in Til (C7) a (D9) emarks) ches): ches):	iving Rc C4) led Soils	oots (C3)	Secondary Surfac Draina Dry-Sc Crayfi Satura X Geom FAC-N	r Indicators ( de Soil Crack ge Patterns de Patterns de Patterns de Patterns de or Stresse de orphic Posit de leutral Test	minimum of the set of	wo read
Depth (inchemarks: Depth (inchemarks: Depth (inchemarks: Depth (inchemarks: Depth (inchemark) Depth (inchemark) Depth (inchemark) Depth (inchemark) Algal Mat or Iron Depos Inundation Sparsely V eld Observa aurface Water ater Table Prestruction Prestruction Prestruction	ormwater detention  ormwater detention  ormwater detention  ormwater detention  ormwater detention  ormwater detention  ater (A1)  r Table (A2)  (A3)  ks (B1)  Deposits (B2)  or Crust (B4)  its (B5)  or Crust (B4)  its (B5)  Visible on Aerial In  oregetated Concave  tions:  Present? Ye  resent? Ye  sent? Ye	magery (B' Surface (I s	red: check all th	at apply) stained Lear Fauna (B1: uatic Plants en Sulfide C d Rhizosphe er of Reduct ick Surface or Well Data Explain in R  Depth (ir Depth (ir	ves (B9) 3) s (B14) Ddor (C1) eres on L ed Iron ( icor) (C7) a (D9) emarks)  ches): ches):	iving Ro C4) led Soils	oots (C3)	Secondary Surfac Draina Dry-Se Crayfi Satura Stunte X Geom FAC-N	r Indicators ( de Soil Crack ge Patterns de Patterns de Patterns de Patterns de or Stresse de orphic Posit de leutral Test	minimum of the second of the s	wo read
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WETLAND DETERMINATION DAT See ERDC/EL TR-07-24; the propo	A SHEET - I	Midwest R	Name of the last o	(Authority: AR	ent Control S EXEMPT 335-15, paraç	•	
Project/Site: Chicago O'Hare International Airport ( Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Kim Shannon, Mea				/Cook State: IL nge: Section 4, T40N,	(1 (3) (3) (3)		:/2019 9-13 WE
Landform (hillside, terrace, etc.): depression			Local relief (co	oncave, convex, none):	concave		
Slope (%): <1% Lat: 41.99312553		-	87.88341286		Datum: WGS84		
Soil Map Unit Name: 533 - Urban land (Non-hydric	(0%))			748000000000000000000000000000000000000	ification: PEM		
Are climatic / hydrologic conditions on the site typic		f.va.ar2	Vaa V	No (If no, ex		x	
Are Vegetation, Soil, or Hydrology_ Are Vegetation, Soil, or Hydrology_ SUMMARY OF FINDINGS – Attach site	significantly o	listurbed? A	Are "Normal C If needed, exp	ircumstances" present plain any answers in Re	? Yes X emarks.)	No	– s, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X  Remarks: Constructed detention area fed by one main culve	No No No rt and surface ru	withir	Sampled Are n a Wetland?	Yes X	No		
VEGETATION – Use scientific names of	plants.	Dominant	Indicator				
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:		
1				Number of Dominant	Species That		
2				Are OBL, FACW, or I	AC:	2	_(A)
3.				Total Number of Don	ninant Species	_	
4.				Across All Strata:		2	— <sup>(B)</sup>
Sapling/Shrub Stratum (Plot size:		Total Cover		Percent of Dominant Are OBL, FACW, or I		100.0%	-(A/B)
1.				Prevalence Index w	orksheet:		
2.				Total % Cover o	f: Multi	ply by:	_
3.	_			OBL species5	55 x 1 =	55	_
4				FACW species 6	30 x 2 =	120	_
5				FAC species	0 x3=	0	_
THE IS AND IN MADE IN THE STATE OF THE STATE	=	Total Cover		THE PROPERTY OF CHARLES AND A CONTROL OF THE CONTRO	0 x 4 =	0	-
Herb Stratum (Plot size: 5 ft )					0 x 5 = _	0	
1. Phragmites australis	60	Yes	FACW		15 (A)	175	- <sup>(B)</sup>
2. Schoenoplectus tabernaemontani	25	Yes	OBL	Prevalence Index	= B/A =1.	.52	_
Typha angustifolia     Eleocharis obtusa		No No	OBL OBL	Hydrophytic Vegeta	tion Indicators		
5. 6. 7. 8. 9. 10.				X 1 - Rapid Test fo X 2 - Dominance T X 3 - Prevalence In 4 - Morphologica data in Remar	r Hydrophytic Veg est is >50% idex is ≤3.0 <sup>1</sup>	ovide su te sheet)	)
· · · · · · · · · · · · · · · · · · ·	115 =	Total Cover				180	
Woody Vine Stratum (Plot size:1.	_)	- i Otal Covel		<sup>1</sup> Indicators of hydric s be present, unless di			must
2.				Hydrophytic Vegetation			
		Total Cover		100 m - 100 m 100 m 100 m	X No		
Remarks: (Include photo numbers here or on a se							
community type: wet meadow HGM: depressiona		vegetation is	present.				

Midwest - Version 2.0

APPENDIX L L-161 NOVEMBER 2022

Donth	MARKET CONTRACTOR OF THE PROPERTY OF	io ine uel	oth needed to doc			acor Or C	commin the abse	nee or muica		
Depth (in shock	Matrix	%	100 D 100 D 100 D 100 D	x Featur %	es Type <sup>1</sup>	Loc <sup>2</sup>	Toytura		Domorko	
(inches)	Color (moist)	**************************************	Color (moist)	- %	Type	LOC	Texture		Remarks	
0-8	10YR 2/1	100	-	-			Loamy/Claye		with pebbles	
8-16	10YR 2/1	60				<u>-</u>	Loamy/Claye	<u>y</u>	mixed layer	
	10YR 5/1	39	7.5YR 4/4	1_	C	M_			prominent redox fe	ature
		_		_	_				above texture is	clay
		_		_	_					
	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains			re Lining, M=Matri	
1555 TA 15	Indicators:								oblematic Hydric	Soils <sup>3</sup> :
Histoso			Sandy Gle	2 000000				Coast Prairie		
	pipedon (A2)		Sandy Re				<del></del>		se Masses (F12)	
	istic (A3)		Stripped N					Red Parent M		
	en Sulfide (A4)		Dark Surfa						Dark Surface (F22	)
	d Layers (A5)		Loamy Mu				_X_(	Other (Explain	in Remarks)	
	uck (A10)	1000000000000	Loamy Gl							
	d Below Dark Surface	(A11)	Depleted	CONTROL STORMS			9	g 500 W	2 50 11 40	300
_	ark Surface (A12)		Redox Da	rk Surfac	ce (F6)			-	ophytic vegetation	
	Mucky Mineral (S1)		Depleted			)		100	logy must be pres	ent,
5 cm M	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)		ļ	unless disturb	ed or problematic.	9
Restrictive	Layer (if observed):									
Type:										
Depth (i Remarks: Constructed	nches):  I detention area with a does have small amo		and the state of t	-				hydrophytic v	Yes X	No_
Depth (i Remarks: Constructed	detention area with a		and the state of t	-			nd hydrology and	hydrophytic v	50000000	
Depth (i Remarks: Constructed mixed layer	d detention area with a does have small amo		and the state of t	-			nd hydrology and	hydrophytic v	50000000	
Depth (i Remarks: Constructed mixed layer	d detention area with a does have small amo	ount of red	lox feature of 7.5YF	R 4/4. H			nd hydrology and	hydrophytic v atic.	regetation are pres	ent. Thi
Depth (i Remarks: Constructed mixed layer HYDROLO Wetland Hy Primary Ind	d detention area with a does have small amo	ount of red	ox feature of 7.5YF	apply)	ydric soil	s are pre	nd hydrology and esent but problem:	hydrophytic v atic.	regetation are pres	ent. Thi
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U.S. Army Corps o				Requirement Control Symbol
WETLAND DETERMINATION DATA			1973	EXEMPT
See ERDC/EL TR-07-24; the propor	nent agency is	S CECVV-	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: 7/30/2019
Applicant/Owner: City of Chicago				State: IL Sampling Point: NE19-20 UPL2
Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shanno	on, Mead & Hunt, Inc.	Section,	Township, Rar	nge: Section 32, T41N, R12E
				oncave, convex, none): none
0-		-		Datum: WGS84
Soil Map Unit Name: 533 - Urban land (Non-hydric (				NWI classification:
Are climatic / hydrologic conditions on the site typica		iear?	Yes_X_	No (If no, explain in Remarks.)
CO OF MANAGEMENT COMES INCOMES ENGLISHED AND AND AND AND AND AND AND AND AND AN	o here chemic resource reces		1	
Are Vegetation, Soil, or Hydrology	- 10			
Are Vegetation, Soil, or Hydrology	_naturally proble	ematic? (	If needed, exp	olain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site r	nap showing	ı samplir	ng point lo	cations, transects, important features, etc.
Hydric Soil Present? Yes X	No X No X		Sampled Aron a Wetland?	
<b>VEGETATION</b> – Use scientific names of p	lants.			
T-0-1		Dominant	Indicator	
Tree Stratum (Plot size: 30ft )  1. Ulmus pumila	<u>% Cover</u> 10	Species? Yes	StatusUPL	Dominance Test worksheet:
Juniperus virginiana		Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Pyrus calleryana	5	Yes	UPL	
4.	-8 (		·	Total Number of Dominant Species Across All Strata: 5 (B)
5.				Percent of Dominant Species That
	20 =1	Total Cover	-	Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 15ft	_)			-
Rhamnus cathartica	20	Yes	FAC	Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species 2 x 1 = 2
4				FACW species 8 x 2 = 16
5	20 =1	Total Cover		FAC species 35 x 3 = 105 FACU species 70 x 4 = 280
Herb Stratum (Plot size: 5ft )		I Otal Covel		UPL species 20 x 5 = 100
1. Solidago canadensis	60	Yes	FACU	Column Totals: 135 (A) 503 (B)
2. Rhamnus cathartica	15	No	FAC	Prevalence Index = B/A = 3.73
3. Juniperus virginiana	5	No	FACU	
4. Dipsacus laciniatus	5	No	UPL	Hydrophytic Vegetation Indicators:
5. Solidago sempervirens	5	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6. Phragmites australis	3	No	FACW	2 - Dominance Test is >50%
7. Lythrum salicaria	2	No	OBL	3 - Prevalence Index is ≤3.01
8				4 - Morphological Adaptations (Provide supporting
9.				data in Remarks or on a separate sheet)
10		F-1-1-0		Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size:		Fotal Cover	ļ	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	-:		·	Hydrophytic
2.		Total Cover		Vegetation Present? Yes No X
		otal Cover		Present?
Remarks: (Include photo numbers here or on a separate s Community Type: upland forest HGM Type: N/A About 15ft separ		paired wetland	I point with about 6	Sin change in elevation. Hydrophytic vegetation is not present.

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	monetenende kannon menn p	to the dep				ator or o	confirm the absence	ot indicators.)
Depth	Matrix	790	CONT. INC. 1990. UP 1990.	x Featur	4	. 9		
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	Texture	Remarks
0-9	10YR 3/1	100					Loamy/Clayey	-
9-10	7.5YR 3/1	100					Loamy/Clayey	clay; layer texture change
10-16	10YR 4/1	75	10YR 5/6	25	C	M_	Loamy/Clayey	Prominent redox concentration
				=				
Type: C=C	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains	Location 2	: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Coa	st Prairie Redox (A16)
Histic E	pipedon (A2)		Sandy Re	dox (S5)			Iron-	Manganese Masses (F12)
Black H	istic (A3)		Stripped M	∕latrix (Si	5)		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)
2 cm Mu	uck (A10)		Loamy Gl	eyed Ma	rix (F2)		<del></del>	
X Deplete	d Below Dark Surface	e (A11)	X Depleted	Matrix (F	3)			
Thick D	ark Surface (A12)		Redox Da	rk Surfac	e (F6)		<sup>3</sup> Indicato	rs of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Depleted	Dark Sur	face (F7	)	wetla	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):	į.						
Type:								
Donth /i	Proceed a marrier of the con-							
Remarks:	are present. Hydric s	soils indica	ators Depleted Belo	w Dark \$	Surface (	A11) an	Hydric Soil Presen	3006-89
Remarks:		soils indica	ators Depleted Belo	w Dark \$	Surface (	A11) an	and accompanie in a visit of the contraction of	1996 1996 1996 1996 1996 1996 1996 1996
Remarks:	are present. Hydric s	soils indica	ators Depleted Belo	w Dark :	Surface (	A11) an	and accompanie in a visit of the contraction of	1996 1996 1996 1996 1996 1996 1996 1996
Remarks: Hydric soils HYDROLO Wetland Hy	are present. Hydric s				Surface (	A11) an	d Depleted Matrix (F3	are satisfied.
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c		ired: check all that	apply)			d Depleted Matrix (F3	are satisfied.
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi 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) iined Lea	ves (B9)		d Depleted Matrix (F3 Seconda	are satisfied.  ry Indicators (minimum of two requing solic cacks (B6)
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface High Wa	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c  Water (A1) ater Table (A2)		i <u>ired: check all that</u> Water-Sta Aquatic Fi	apply) ined Lea auna (B1	ves (B9) 3)		d Depleted Matrix (F3 Seconda Surfi	ry Indicators (minimum of two requints Soil Cracks (B6) nage Patterns (B10)
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati	are present. Hydric s  OGY  rdrology Indicators: icators (minimum of c  Water (A1) ater Table (A2) on (A3)		i <u>ired: check all that</u> Water-Sta Aquatic Fi True Aqua	apply) nined Lea auna (B1 atic Plant	ves (B9) 3) s (B14)		d Depleted Matrix (F3	ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2)
Remarks: Hydric soils HYDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of of of the color) Water (A1) ater Table (A2) on (A3) Marks (B1)		iired; check all thatWater-Sta Aquatic Fi True Aqua Hydrogen	apply) iined Lea auna (B1 atic Plant Sulfide (	ves (B9) 3) s (B14) Ddor (C1	)	d Depleted Matrix (F3	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
Hydric soils  Hydric soils  Hydrocol  Wetland Hy  Primary Indi Surface  High Wa  Saturati  Water M  Sedimei	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)		iired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) iined Lea auna (B1 atic Plant Sulfide ( Rhizosph	ves (B9) 3) s (B14) Ddor (C1 eres on	) Living R	Seconda Surfi Drair Dry- X Cray oots (C3) Satu	ry Indicators (minimum of two requi ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9
Hydric soils  Hydric soils  Hydrocol  Wetland Hy Primary Indi Surface High Water M Sedimer Drift De	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of c  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) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu	ves (B9) 3) s (B14) Odor (C1 eres on	) Living R (C4)	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9
HYDROLO Wetland Hy Primary Indi Surface High Water N Sedimel Drift Del	are present. Hydric s  OGY  vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply)  inned Lea  auna (B1  atic Plant  Sulfide (  Rhizosph  of Reduon Reduon	ves (B9) 3) s (B14) Odor (C1 eres on ced Iron of	) Living R (C4)	Seconda	ry Indicators (minimum of two requi ace 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)
HYDROLO Wetland Hy Primary Indi Surface High Water N Sedimel Drift Dej Algal Ma	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck	apply)  ined Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduce on Reduce ( Surface)	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron of tion in Ti	) Living R (C4)	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimee Drift De Algal Me Iron Dep Inundati	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Alarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial II	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)  ined Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduce on Reduce ( Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron of tion in Ti (C7) a (D9)	) Living R (C4) illed Soil	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ted or Stressed Plants (D1) morphic Position (D2)
Hydric soils  Hydric soils  Hydric soils  HydroLC  Wetland Hy  Primary Indi Surface High Water M Sedimer Drift Der Algal Marian Iron Der Inundati Sparsel	are present. Hydric s  OGY  vidrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial Ir y Vegetated Concave	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)  ined Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduce on Reduce ( Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron of tion in Ti (C7) a (D9)	) Living R (C4) illed Soil	Seconda	ry Indicators (minimum of two requi ace 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)
HYDROLO Wetland Hy Primary Indi Surface High Water N Sedimel Drift Del Algal Mater N Iron Dep Inundati Sparsel	are present. Hydric s  OGY  Adrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial Ir y Vegetated Concave	one is requ magery (B Surface (	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex	apply)  ained Lea  auna (B1  atic Plant  Sulfide ( Rhizosph  of Reduc  on Reduc  Surface  Well Dat  plain in F	ves (B9) 3) s (B14) Odor (C1 eres on tion in Ti (C7) a (D9) temarks)	) Living R (C4) illed Soil	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ted or Stressed Plants (D1) morphic Position (D2)
Hydric soils  Hydric soils  Hydric soils  HydroLO  Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimen Drift Dej Algal Ma Iron Deg Inundati Sparsel; Field Obser Surface Wa	are present. Hydric s  OGY  Idrology 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) ined Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduc s Surface Well Dat plain in F	ves (B9) 3) s (B14) Ddor (C1 eres on etion in Ti ((C7) a (D9) emarks)	) Living R (C4) illed Soil	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ted or Stressed Plants (D1) morphic Position (D2)
Hydric soils  Hydric soils  Hydric soils  Hydroc Hydric Surface  High Water M Sedimei  Drift Del Algal Mi Iron Dee Inundati Sparsel:  Field Obser Surface Water Table	are present. Hydric s  OGY  Indrology Indicators: Icators (minimum of	magery (Besume the second	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  Other (Ex	apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on ed Iron tion in Ti (C7) a (D9) emarks) nches): _nches):	) Living R (C4) illed Soil	Seconda Surfi Draii Dry- X Cray oots (C3) Satu Stun S (C6) FAC	ry Indicators (minimum of two requirece 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)
Hydric soils  Hydric soils  Hydric soils  Hydroc Hydric Surface  High Wassaturati  Water Male Hydric Sedimei  Drift Dei  Algal Male Iron Der  Inundati Sparsel  Field Obser  Surface Wassaturation F	are present. Hydric s  OGY  Indrology Indicators: Indicators (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) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc surface Well Dat plain in F	ves (B9) 3) s (B14) Ddor (C1 eres on etion in Ti ((C7) a (D9) emarks)	) Living R (C4) illed Soil	Seconda	ry Indicators (minimum of two requires Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Hydric soils  Hydric soils  Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimei Drift Dei Algal Mi Iron Der Inundati Sparsel' Field Obsel Surface Wa Water Table Saturation F (includes ca	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 Irc  Thin Muck  7) Gauge or  B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tition in Tit (C7) a (D9) temarks) nches): nches):	) Living R (C4) illed Soil	Seconda Surfa Drain Dry- X Cray oots (C3) Satu Stun S (C6) FAC	ry Indicators (minimum of two requires Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Hydric soils  Hydric soils  Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimei Drift Dei Algal Mi Iron Der Inundati Sparsel' Field Obsel Surface Wa Water Table Saturation F (includes ca	are present. Hydric s  OGY  vdrology Indicators: cators (minimum of	magery (B Surface (	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tition in Tit (C7) a (D9) temarks) nches): nches):	) Living R (C4) illed Soil	Seconda Surfa Drain Dry- X Cray oots (C3) Satu Stun S (C6) FAC	ry Indicators (minimum of two requires Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Hydric soils  Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Del Algal Mi Iron Dep Inundati Sparsel Field Obsei Surface Wa Water Table Saturation F (includes ca Describe Re	are present. Hydric s  OGY  vdrology Indicators: cators (minimum of	magery (Bee Surface (	ired; check all that  — Water-Ste — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irr — Thin Muck — Other (Ext — NoX — NoX — NoX — NoX — Onitoring well, aeria	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tition in Tit (C7) a (D9) temarks) nches): nches):	) Living R (C4) illed Soil	Seconda Surfa Drain Dry- X Cray oots (C3) Satu Stun S (C6) FAC	ry Indicators (minimum of two requires Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)

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APPENDIX L L-164 NOVEMBER 2022

U.S. Army Corps of Eng	Account to the second s	9585	Requirement Control Symbol
WETLAND DETERMINATION DATA SHI		17.5	EXEMPT
See ERDC/EL TR-07-24; the proponent a	agency is CEC	W-CO-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD)	City/0	County: Chicago	/Cook Sampling Date: 7/31/2019
Applicant/Owner: City of Chicago			State: IL Sampling Point: NE19-20 UPL
Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hu	ınt, Inc. Sectio	n, Township, Ran	nge: Section 32, T41N, R12E
Landform (hillside, terrace, etc.): flat		Local relief (co	oncave, convex, none): none
Slope (%): 0 Lat: 42.00725802	Lon	g: -87.90005768	
Soil Map Unit Name: 533 - Urban land (Non-hydric (0%)		<b>3</b>	NWI classification:
Are climatic / hydrologic conditions on the site typical for th	is time of year?	Yes X	
Are Vegetation, Soil, or Hydrologysigni		-	
Are Vegetation, Soil, or Hydrologynatu			olain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing samp	oling point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No 2	X Is	the Sampled Are	ea
Hydric Soil Present? Yes No	<del></del> 0	ithin a Wetland?	
Wetland Hydrology Present? Yes No	X		
Remarks:	•		
<b>VEGETATION</b> – Use scientific names of plants			
4.5	osolute Domina	dill college con	Deminance Test weeksheets
<u>Tree Stratum</u> (Plot size:) <u>%</u> 1.	Cover Species	Status Status	Dominance Test worksheet:
2.		- 1. E	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.			Total Number of Dominant Species
4.	-	-1.0	Across All Strata: 3 (B)
5.			Percent of Dominant Species That
	=Total Co	ver	Are OBL, FACW, or FAC: 33.3% (A/B)
Sapling/Shrub Stratum (Plot size: 15ft )		_	
1. Rhamnus cathartica	40 Yes	FAC	Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
3			OBL species 1 x 1 = 1 FACW species 2 x 2 = 4
5.		<del>  </del>	FAC species 55 x 3 = 165
5.1	40 =Total Co	ver	FACU species 42 x 4 = 168
Herb Stratum (Plot size: 5ft )	10 1010100		UPL species 42 x 5 = 210
1. Dipsacus laciniatus	40 Yes	UPL	Column Totals: 142 (A) 548 (B)
2. Solidago canadensis	40 Yes	FACU	Prevalence Index = B/A = 3.86
3. Rhamnus cathartica	15 No	FAC	
4. Dichanthelium oligosanthes	2 No	FACU	Hydrophytic Vegetation Indicators:
5. Leucanthemum vulgare	2 No	UPL	1 - Rapid Test for Hydrophytic Vegetation
6. Lythrum salicaria	1 No	OBL_	2 - Dominance Test is >50%
<u>7.</u>		_ :	3 - Prevalence Index is ≤3.0
8			<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
9. 10.		- 1 0	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	100 =Total Co		
Woody Vine Stratum (Plot size: 30ft )			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Vitis riparia	2 No	FACW	
2.			Hydrophytic Vegetation
	2 =Total Co	ver	Present? Yes No X
Remarks: (Include photo numbers here or on a separate	sheet.)		<del></del>
Community Type: developed land HGM Type: N/A; Hydrophytic v	egetation is not prese	ent. Little elevation c	hange between points; 50ft separates points.

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	none-incompany resonant mental in	to the aet			ator or t	confirm the absence	or mulcators.)
Depth	Matrix			ox Features	1 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	% Type	Loc <sup>2</sup>	Texture	Remarks
0-9	10YR 3/1	100		·		Loamy/Clayey	
9-16	10YR 4/6	60				Loamy/Clayey	mixed layer
	10YR 5/1	40				Loamy/Clayey	mixed layer
Type: C=C	oncentration, D=Dep	letion. RM	=Reduced Matrix	 MS=Masked San	d Grains	<sup>2</sup> Location	: PL=Pore Lining, M=Matrix.
Hydric Soil	· ·		rioda od mann,		<u> </u>		s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Gle	eyed Matrix (S4)			t Prairie Redox (A16)
10000 NO CO	oipedon (A2)		Sandy Re	9 mareano 2 d			Manganese Masses (F12)
Black Hi	101 10 100			Matrix (S6)			Parent Material (F21)
	n Sulfide (A4)		Dark Surfa				Shallow Dark Surface (F22)
	d Layers (A5)			ucky Mineral (F1)			(Explain in Remarks)
	ick (A10)			eyed Matrix (F2)			(Explain in Nomarks)
	d Below Dark Surface	(Δ11)	4	eyeu watrix (F2) Matrix (F3)			
	ark Surface (A12)	(711)		rk Surface (F6)		3 Indicator	s of hydrophytic vegetation and
_	1 1			2 2	No.		
	Mucky Mineral (S1)			Dark Surface (F7	)		nd hydrology must be present,
	icky Peat or Peat (S3		Redox De	pressions (F8)		unies	s disturbed or problematic.
	Layer (if observed):						
Type: Depth (ir	- objects					Hydric Soil Present	? Yes No
Bopin (ii						Try anto won 1 1000m	? Yes No_
Remarks: Hydric soils	are not present. Does	s not meet	hydric soils criteria	а.			
	are not present. Does	s not meet	t hydric soils criteria	a.			
Hydric soils	OGY	s not meel	t hydric soils criteria	a.			
Hydric soils  IYDROLO  Wetland Hy	OGY drology Indicators:						
Hydric soils  HYDROLC  Wetland Hy  Primary India	OGY drology Indicators: cators (minimum of o		ired; check all that	apply)	ri e	S S total company	y Indicators (minimum of two requ
Hydric soils  HYDROLO  Wetland Hy  Primary Indic  Surface	OGY drology Indicators: cators (minimum of o Water (A1)		ired; check all that Water-Sta	apply) ained Leaves (B9	)	X Surfa	ce Soil Cracks (B6)
Hydric soils  HYDROLO  Wetland Hy  Primary Indic  Surface	OGY drology Indicators: cators (minimum of o		ired; check all that Water-Sta	apply)	)	X Surfa	MAK NOOL DEED NO MANAGEMEN
Hydric soils  HYDROLO  Wetland Hy  Primary Indic  Surface	OGY drology Indicators: cators (minimum of o Water (A1) tter Table (A2)		ired; check all that Water-Sta Aquatic Fi	apply) ained Leaves (B9	)	X Surfa Drain	ce Soil Cracks (B6)
Hydric soils  HYDROLO  Wetland Hy  Primary India  Surface  High Wa  Saturatic	OGY drology Indicators: cators (minimum of o Water (A1) tter Table (A2)		i <u>red; check all that</u> Water-Sta Aquatic Fi True Aqua	apply) ained Leaves (B9 auna (B13)		X Surfa Drain Dry-S	ce Soil Cracks (B6) age Patterns (B10)
Hydric soils  HYDROLO  Wetland Hy  Primary India  Surface  High Wa  Saturatic  Water M	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)		ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ained Leaves (B9 auna (B13) atic Plants (B14)	1)	X Surfa Drain Dry-S Crayf	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2)
Hydric soils  HYDROLO  Wetland Hy  Primary Indic  Surface  High Wa  Saturatic  Water M  Sedimer	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1)		ired; check all that  Water-Sta  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C	) Living R	X Surfa Drain Dry-S Crayf oots (C3) X Surfa Satur	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8)
Hydric soils  HYDROLO  Wetland Hy  Primary Indic  Surface  High Wa  Saturatic  Water M  Sedimer  Drift Dep	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)		ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres on	l) Living R (C4)	X   Surfa   Drain   Dry-S   Crayf   Satur   Stunt   Stunt	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ation Visible on Aerial Imagery (CS
Hydric soils  HYDROLO  Wetland Hy  Primary India  Surface  High Wa  Saturatic  Water M  Sedimer  Drift Dep	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)		ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C Rhizospheres on of Reduced Iron	l) Living R (C4)	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1)
Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	one is requ	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (Ci Rhizospheres on of Reduced Iron on Reduction in 1	l) Living R (C4)	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1) norphic Position (D2)
IYDROLO Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of o Water (A1) ter 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 Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (Circ Rhizospheres on of Reduced Iron on Reduction in To	l) Living R (C4) ïlled Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1) norphic Position (D2)
IYDROLO Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave	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 Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron on Reduction in 1 c Surface (C7) Well Data (D9)	l) Living R (C4) ïlled Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1) norphic Position (D2)
Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave rvations:	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 Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C: Rhizospheres on of Reduced Iron on Reduction in To s Surface (C7) Well Data (D9) plain in Remarks	Living R (C4) illed Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1) norphic Position (D2)
IYDROLO Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatia Sparsely Field Obser Surface Water	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave reations: ter Present? Ye	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 Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on on Reduced Iron on Reduction in T ( Surface (C7) Well Data (D9) plain in Remarks Depth (inches):	Living R (C4) illed Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ed or Stressed Plants (D1) norphic Position (D2)
Hydric soils  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Water Table	drology Indicators: cators (minimum of	magery (B s Surface (	ired; check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Ird — Thin Muck  7) — Gauge or — Other (Ex	apply) ained Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron on Reduction in To s Surface (C7) Well Data (D9) plain in Remarks Depth (inches): Depth (inches):	Living R (C4) illed Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely  Field Obser Surface Wat Water Table Saturation P	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial Ir y Vegetated Concave vations: ter Present? Ye Present? Ye Present? Ye	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 Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on on Reduced Iron on Reduction in T ( Surface (C7) Well Data (D9) plain in Remarks Depth (inches):	Living R (C4) illed Soil	X Surfa	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatia Sparsely Field Obser Surface Wat Water Table Saturation P (includes cal	drology Indicators: cators (minimum of	magery (B Surface ( s s	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Iro — Thin Muco  7) — Gauge or  88) — Other (Ex  No _ X  No _ X  No _ X	apply) sined Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron or Reduction in To s Surface (C7) Well Data (D9) plain in Remarks Depth (inches): Depth (inches):	Living R (C4) illed Soil	X Surfa Drain Dry-S Crayf oots (C3) Satur Stunt s (C6) Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatia Sparsely Field Obser Surface Wat Water Table Saturation P (includes cal	drology Indicators: cators (minimum of	magery (B Surface ( s s	ired: check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Iro — Thin Muco  7) — Gauge or  88) — Other (Ex  No _ X  No _ X  No _ X	apply) sined Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron or Reduction in To s Surface (C7) Well Data (D9) plain in Remarks Depth (inches): Depth (inches):	Living R (C4) illed Soil	X Surfa Drain Dry-S Crayf oots (C3) Satur Stunt s (C6) Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
Hydric soils  HYDROLO  Wetland Hy Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wat Water Table Saturation P (includes cal Describe Re	drology Indicators: cators (minimum of	magery (B	ired: check all that  — Water-Ste — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irr — Thin Much 7) — Gauge or B8) — Other (Ex	apply) sined Leaves (B9 auna (B13) atic Plants (B14) Sulfide Odor (C' Rhizospheres on of Reduced Iron or Reduction in To s Surface (C7) Well Data (D9) plain in Remarks Depth (inches): Depth (inches):	Living R (C4) illed Soil	X Surfa Drain Dry-S Crayf oots (C3) Satur Stunt s (C6) Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET – Mid		100		ent Control Symbol EXEMPT 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORI Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Kim Shannon, Mead &				/CookState:IL	
(20) 95 10 m	Tiunt, me.				
Landform (hillside, terrace, etc.): basin, shallow				oncave, convex, none):	
Slope (%): <1% Lat: 42.00715888	Presion	Long: -	37.90019186	000000000000000000000000000000000000000	AND AND RESEARCH - NOVEMBER
Soil Map Unit Name: 533 - Urban land (Non-hydric (0%	6))			NWI classi	fication: PEM PSS
Are climatic / hydrologic conditions on the site typical for	or this time of yea	ar?	Yes X	No (If no, exp	plain in Remarks.)
Are Vegetation, Soil, or Hydrologys	significantly distu	rbed? A	re "Normal C	ircumstances" present?	Yes X No
Are Vegetation, Soil, or Hydrologyr	naturally problem	atic? (I	f needed, exp	olain any answers in Re	marks.)
SUMMARY OF FINDINGS - Attach site ma	an showing s	amplin	a point lo	cations, transects	. important features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks:	<u> </u>		Sampled Ar a Wetland?		No
VEGETATION – Use scientific names of pla	nts.				
Tree Stratum (Plot size: 30ft )  1. Populus deltoides  2. 3. 4.	% Cover Sp	minant pecies? Yes	Indicator Status FAC	Dominance Test wo Number of Dominant Are OBL, FACW, or F Total Number of Dom Across All Strata:	Species That (A) (A) (B)
Sapling/Shrub Stratum (Plot size: 15ft )	=Tot	al Cover		Percent of Dominant Are OBL, FACW, or F	
1. Rhamnus cathartica	30	Yes	FAC	Prevalence Index w	orksheet:
2.				Total % Cover o	f: Multiply by:
3	· ·			OBL species6	5 x 1 = 65
4				FACW species 1	6 x 2 = 32
5				(4)	5 x 3 = 195
	30=Tot	al Cover		AND PROPERTY DESCRIPTIONS	4 x 4 = 16
Herb Stratum (Plot size: 5ft )				UPL species 1	
1. Lythrum salicaria		Yes	OBL_	·	358 (B)
2. Rhamnus cathartica		No	FAC_	Prevalence Index	= B/A = <u>2.24</u>
3. Dipsacus laciniatus		No	UPL	II. J L	U - 1 - U - 4
4. Solidago gigantea		No	FACW	Hydrophytic Vegetal	
5. Solidago sempervirens		No	FACW_		Hydrophytic Vegetation
6. Fragaria virginiana		No	FACU FACU	X 2 - Dominance To	assessment and and a
7. Juniperus virginiana		No	FACU	X 3 - Prevalence In	
8. Phragmites australis		No	_FACW_	<u> </u>	Adaptations <sup>1</sup> (Provide supporting ks or on a separate sheet)
9.					2
10	400				ophytic Vegetation¹ (Explain)
) M	100=Tot	al Cover			oil and wetland hydrology must
Woody Vine Stratum (Plot size: 30ft )	,	Voc	EACUAL	be present, unless dis	sturbed or problematic.
1. Vitis riparia		Yes	FACW_	Hydrophytic	
2		al Cover		Vegetation Present? Yes	X No

Midwest - Version 2.0

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

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present. Cottonwoods on toe slope at edge. Solidago altissima, Phragmites, and Typha nearby in shallow basin.

Profile Descri	iption: (Describe	to the dep	oth needed to do	cument t	he indic	ator or c	onfirm the absen	ce of indicat	ors.)	
Depth	Matrix		Red	ox Featur	-					
inches)	Color (moist)	%	Color (moist)	%	Type	Loc	Texture		Remarks	
0-4	7.5YR 3/1	100	9				Loamy/Clayey		clay loam	
4-7	7.5YR 4/1	90	10YR 4/6	10	C	M_	Loamy/Clayey	Prom	inent redox conce	entration
7-16	10YR 5/1	75	7.5YR 5/6	25	С	М	Loamy/Clayey	Prom	inent redox conce	entration
			*	-						
			*	-		-				
			7. 2			-	-			
ype: C=Cor	ncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains	<sup>2</sup> Loca	tion: PL=Por	e Lining, M=Matri	Χ.
ydric Soil In	dicators:						Indic	ators for Pro	blematic Hydric	Soils <sup>3</sup> :
Histosol (A	<b>A1</b> )		Sandy G	leyed Mat	rix (S4)		c	oast Prairie F	Redox (A16)	
Histic Epip	pedon (A2)		Sandy R	edox (S5)			<u> </u>	on-Manganes	se Masses (F12)	
Black Hist	ic (A3)		Stripped	Matrix (Si	3)		— <sub>R</sub>	ed Parent Ma	aterial (F21)	
	Sulfide (A4)			face (S7)					Dark Surface (F22	)
	_ayers (A5)			lucky Min	eral (F1)			ther (Explain	FO 1007 1007 10	<b>*</b> ·
_	3 15 15							mor (Expialit	iii ixomarks)	
_2 cm Mucl	mener totologi	74421		leyed Ma						
and the same of th	Below Dark Surface	e (A11)	X Depleted				2		2 101 11 101	
_	Surface (A12)			ark Surfac	0 5			=	ophytic vegetation	
Sandy Mu	cky Mineral (S1)		Depleted	Dark Sur	face (F7	)	W	etland hydrol	ogy must be prese	ent,
5 cm Mucl	ky Peat or Peat (S3	3)	Redox D	epression	s (F8)		ü	nless disturbe	ed or problematic.	
	hes): e present. Hydrics	soils indica	ators Depleted Bel	ow Dark :	Surface (	A11) and	Hydric Soil Pres	**************************************	Yes X	No_
Depth (inc	-	soils indica	ators Depleted Bel	ow Dark \$	Surface (	A11) and	DIVERSONATION NOTIFICATION DIVIDIN	**************************************		No_
Depth (inc emarks: ydric soils ar	e present. Hydric s	soils indica	ators Depleted Bel	ow Dark \$	Surface (	A11) and	DIVERSONATION NOTIFICATION DIVIDIN	**************************************		No _
Depth (inc emarks: ydric soils ar	e present. Hydric s		ators Depleted Bel	ow Dark \$	Surface (	A11) and	DIVERSONATION NOTIFICATION DIVIDIN	**************************************		No _
Depth (incomercial period)  emarks: ydric soils are ydric soil	e present. Hydric s				Surface (	A11) and	d Depleted Matrix (	F3) are satist		330
Depth (inc emarks: ydric soils ar YDROLOC /etland Hydr rimary Indica	e present. Hydric s  SY  rology Indicators: ttors (minimum of c		ired; check all tha	t apply)	V 022		d Depleted Matrix (	F3) are satisf	ors (minimum of tw	3300
Depth (inc lemarks: lydric soils ar YDROLOC Vetland Hydr Surface W	e present. Hydric s  GY  rology Indicators:  tors (minimum of c /ater (A1)		ired: check all tha Water-St	t apply) ained Lea	aves (B9)		d Depleted Matrix (	F3) are satisf	ors (minimum of tyracks (B6)	330
Depth (inc emarks: ydric soils ar YDROLOG /etland Hydr rimary Indica Surface W High Wate	e present. Hydric s  GY  rology Indicators:  tors (minimum of c /ater (A1)  er Table (A2)		ired: check all tha Water-St Aquatic F	t apply) ained Lea Fauna (B1	aves (B9)		d Depleted Matrix (	F3) are satisf ndary Indicato rurface Soil C rrainage Patte	ors (minimum of tw racks (B6) erns (B10)	330
Depth (inc emarks: ydric soils ar  YDROLOG /etland Hydr rimary Indica Surface W. High Wate Saturation	e present. Hydric s  GY  rology Indicators:  tors (minimum of c /ater (A1)  or Table (A2) (A3)		ired: check all tha ——Water-St ——Aquatic F ——True Aqu	t apply) ained Lea Fauna (B1 atic Plant	aves (B9) 3) ss (B14)		d Depleted Matrix (	F3) are satisf andary Indicate surface Soil C brainage Patte bry-Season W	ors (minimum of tw racks (B6) erns (B10) ater Table (C2)	3300
Depth (inc emarks: ydric soils ar  YDROLOC /etland Hydr rimary Indica Surface W. High Wate Saturation Water Mai	e present. Hydric s  ology Indicators: stors (minimum of or /ater (A1) or Table (A2) (A3) rks (B1)		ired: check all thaWater-StAquatic FTrue AquHydroger	t apply) ained Lea Fauna (B1 atic Plant	aves (B9) 3) ss (B14) Odor (C1	)	Secol X S	ndary Indicate ourface Soil C ourface Soil C orainage Patte ony-Season W crayfish Burro	ors (minimum of tw racks (B6) erns (B10) ater Table (C2) ws (C8)	wo requ
Depth (inc emarks: ydric soils ar  YDROLOC /etland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment	e present. Hydric s  ology Indicators: ttors (minimum of c later (A1) er Table (A2) (A3) rks (B1) Deposits (B2)		ired; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized	t apply) ained Lea Fauna (B1 atic Plant n Sulfide ( Rhizosph	aves (B9) 3) s (B14) Odor (C1 eres on	) ) Living Re	Secol X S S S S S S S S S S S S S S S S S S	ndary Indicator rurface Soil C rainage Patte rry-Season W rrayfish Burror raturation Visi	ors (minimum of tw racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imag	wo requ
Depth (inc emarks: ydric soils ar  YDROLOC Vetland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo	e present. Hydric s  GY  rology Indicators:  tors (minimum of c later (A1)  er Table (A2)  (A3)  rks (B1)  Deposits (B2)  sits (B3)		ired: check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence	t apply) ained Lea Fauna (B1 latic Plant n Sulfide ( Rhizosph e of Reduc	aves (B9) 3) ss (B14) Odor (C1 eres on ced Iron	) Living Ro (C4)	Secon X S C C C C C C C C C C C C C C C C C C	ndary Indicator iurface Soil C irrainage Patte irry-Season W irrayfish Burror iaturation Visi	ors (minimum of twans (B6)) erns (B10) eater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1)	wo requ
Depth (inc emarks: ydric soils ar  YDROLOG Vetland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat	rology Indicators: tors (minimum of		ired; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence	t apply) ained Lea Fauna (B1 atic Plant n Sulfide ( Rhizosph e of Reduc on Reduc	aves (B9) 3) s (B14) Odor (C1 eres on ced Iron ction in T	) Living Ro (C4)	Secon   X   Secon   Secon   X   Secon   Seco	ndary Indicates urface Soil C trainage Patte try-Season W trayfish Burro taturation Visi	ors (minimum of to racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1) osition (D2)	wo requ
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Depth (inc emarks: ydric soils ar yDROLOC /etland Hydr rimary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Algal Mat Iron Depor	rology Indicators: totors (minimum of colored (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) i Visible on Aerial II	one is requ	ired; check all tha Water-St Aquatic F True Aqu Hydroget Oxidized Presence Recent Ir Thin Muc 7) Gauge or	t apply) ained Lea Fauna (B1 iatic Plant in Sulfide (in Rhizosph e of Reductor Reductor Reductor Reductor Reductor Reductor Reductor Well Data	aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T e (C7) a (D9)	) Living Ro (C4) illed Soil	Secon   X   Secon   Secon   X   Secon   Seco	ndary Indicates urface Soil C trainage Patte try-Season W trayfish Burro taturation Visi	ors (minimum of to racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1) osition (D2)	wo requ
Depth (inc emarks: ydric soils ar yDROLOG /etland Hydr rimary Indica Surface W High Wate Saturation Water Mal Sediment Drift Depo Algal Mat Iron Depos	rology Indicators: tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	one is requ	ired; check all tha Water-St Aquatic F True Aqu Hydroget Oxidized Presence Recent Ir Thin Muc 7) Gauge or	t apply) ained Lea Fauna (B1 iatic Plant in Sulfide (in Rhizospher of Reductor Reduc	aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T e (C7) a (D9)	) Living Ro (C4) illed Soil	Secon   X   Secon   Secon   X   Secon   Seco	ndary Indicates urface Soil C trainage Patte try-Season W trayfish Burro taturation Visi	ors (minimum of to racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1) osition (D2)	wo requ
Depth (inc emarks: ydric soils ar  YDROLOC /etland Hydr rimary Indica Surface W High Water Mar Sediment Drift Depo Algal Mat Iron Depo: Inundation Sparsely \	e present. Hydric s  rology Indicators:  tors (minimum of of /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)  Visible on Aerial In /egetated Concave	one is requ	ired; check all tha Water-St Aquatic F True Aqu Hydroget Oxidized Presence Recent Ir Thin Muc 7) Gauge or	t apply) ained Lea Fauna (B1 iatic Plant in Sulfide (in Rhizosph e of Reductor Reductor Reductor Reductor Reductor Reductor Reductor Well Data	aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T e (C7) a (D9)	) Living Ro (C4) illed Soil	Secon   X   Secon   Secon   X   Secon   Seco	ndary Indicates urface Soil C trainage Patte try-Season W trayfish Burro taturation Visi	ors (minimum of to racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1) osition (D2)	wo requ
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Depth (inc emarks: ydric soils ar  YDROLOG  /etland Hydr rimary Indica Surface W High Water Mai Sediment Drift Depo Algal Mat Iron Depo: Inundation Sparsely \\ ield Observa urface Water	rology Indicators:  tors (minimum of colored (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) i Visible on Aerial Infectors //egetated Concave ations:	one is requ magery (B Surface (	ired; check all tha  Water-St  Aquatic F  True Aqu  Hydroger  Oxidized  Presence  Recent Ir  Thin Muc  7)  Gauge of	t apply) ained Lea Fauna (B1 iatic Plant in Sulfide (in Reduction Red	aves (B9) 3) s (B14) Ddor (C1 eres on ced Iron ction in T e (C7) a (D9) Remarks)	) Living Ro (C4) illed Soil	Secon   X   Secon   Secon   X   Secon   Seco	ndary Indicates urface Soil C trainage Patte try-Season W trayfish Burro taturation Visi	ors (minimum of to racks (B6) erns (B10) ater Table (C2) ws (C8) ble on Aerial Imagessed Plants (D1) osition (D2)	wo requ
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U.S. Army Corps of	of Engineers		Requirement Control Symbol
WETLAND DETERMINATION DATA	A SHEET – Mi	dwest Region	EXEMPT
See ERDC/EL TR-07-24; the propo	nent agency is	CECW-CO-R	(Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (C	ORD)	City/County: Chicago	o/Cook Sampling Date: 7/17/2019
Applicant/Owner: City of Chicago			State: IL Sampling Point: NE41 UPL
Investigator(s): Brauna Hartzell, Kim Shannon, Mead	d & Hunt, Inc.	Section, Township, Ra	ange: Section 32, T41N, R12E
Landform (hillside, terrace, etc.): slope		Local relief (c	concave, convex, none): convex
Slope (%): 3% Lat: 42.00111281		-	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly	v level (Predomina		
Are climatic / hydrologic conditions on the site typica			
Are Vegetation X , Soil , or Hydrology	no senso construction construction	-	
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach site	map showing	sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No X No X No X	Is the Sampled A within a Wetland	
Remarks: Area has been and is regularly mown.		•	
VEGETATION – Use scientific names of p			
Tree Stratum (Plot size:)		Dominant Indicator Species? Status	Dominance Test worksheet:
1.	70 00701	openes: ctatas	Number of Dominant Species That
2.			Are OBL, FACW, or FAC: 1 (A)
3.			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:
1.	_		Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
3.			OBL species 5 x 1 = 5
4.			FACW species 10 x 2 = 20
5			FAC species 40 x 3 = 120
	=T	otal Cover	FACU species45 x 4 =180
Herb Stratum (Plot size: 5 ft )			UPL species 0 x 5 = 0
1. Poa pratensis		Yes FAC	Column Totals: 100 (A) 325 (B)
2. Elymus repens		Yes FACU	Prevalence Index = B/A = 3.25
Plantago lanceolata     Phalaris arundinacea	10 -	No FACU FACW	Hydrophytic Vegetation Indicators:
5. Taraxacum officinale	5	No FACU	1 - Rapid Test for Hydrophytic Vegetation
6. Carex stipata		No OBL	2 - Dominance Test is >50%
7. Achillea millefolium		No FACU	3 - Prevalence Index is ≤3.01
8. Dipsacus fullonum	1	No FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9. Cirsium arvense	1	No FACU	data in Remarks or on a separate sheet)
10. Erigeron strigosus	11	No FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:	=T	otal Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	_		Hydrophytic
2.			Vegetation
	=T	otal Cover	Present? Yes No X
Remarks: (Include photo numbers here or on a se Community Type: developed land HGM Type: N/A		getation is not present.	

Profile Descr Depth	iption: (Describe	to the den			ha india						
Depth		to the dep	th needed to do	cument t	ne maic	ator or	confirm the	absence	of indicator:	s.)	
STREET, COLUMNIA	Matrix	no indice come		lox Featur						•	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text	ture		Remarks	
0-4	10YR 3/1	100					Loamy/	etros.	-	silt loam	
	NAMES AND ADDRESS OF THE PARTY				_		10 10	CVDA	-	3IIC IOUITI	
4-9 .	10YR 3/1	60	72-2433 st - 14643			2000	Loamy/	Clayey	<u> </u>	Di 81	
	10YR 4/1	38	7.5YR 4/6	2	<u> </u>	M_			Promine	ent redox conc	entrations
9-16	10YR 3/1	100					Loamy/	Clayey	all layers	silt loam; this v	vith pebbl
,				- 1			0-7		id.		
Type: C=Cor	ncentration, D=Dep	letion RM=	-Reduced Matrix	MS=Mas	ked San	d Grains	-	2Location	DI =Pore I	ining, M=Matr	iv
tydric Soil In		iction, ixivi-	-reduced Wattix,	IVIO-IVIU3	ikea oan	u Orania				matic Hydric	
Histosol (A			Sandy G	leyed Mat	riv (S4)				t Prairie Rec		Julis .
Teacer was file	pedon (A2)			edox (S5)						Masses (F12)	
Black Hist			<del></del>	Matrix (Si					Parent Mater		
FEGUREOUS PERSON	Sulfide (A4)			face (S7)				700000000000000000000000000000000000000		k Surface (F22	2)
	Layers (A5)			lucky Min				-	(Explain in	507 1000 10	-)
2 cm Muci				Sleyed Ma				_	(Explain III		
Account about the	Below Dark Surface	(A11)		l Matrix (F							
	k Surface (A12)	, (, (, 1, )		ark Surfac				3Indicator	s of hydronh	ytic vegetation	and
_	icky Mineral (S1)			Dark Sur		)			8 8	must be pres	
	ky Peat or Peat (S3	3)		epression		,			100	or problematic	
estrictive L	ayer (if observed):										
202	ayer (ii observed).										
Type:											
desire.	ale a a N						Hudda Ca	.!! D	2	V	KIZI I
Depth (inc	re not present. Hydr	ric soil crite	ria were not met.				Hydric Sc	oil Present	?	Yes	No
Depth (inc Remarks: Hydric soils ar	re not present. Hydi	ric soil crite	ria were not met.				Hydric So	oil Present	?	Yes	No
Depth (inc Remarks: Hydric soils ar	re not present. Hydr		ria were not met.				Hydric Sc	oil Present	?	Yes	No
Depth (inc Remarks: Hydric soils ar	re not present. Hydi		ria were not met.				Hydric Sc	oil Present	?	Yes	No
Depth (inc Remarks: Hydric soils ar IYDROLOC Wetland Hydi Primary Indica	re not present. Hydr GY rology Indicators: ators (minimum of o		red; check all tha	t apply)			Hydric Sc	Secondar	y Indicators	(minimum of t	
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Depth (inc Remarks: Hydric soils ar YDROLOG Vetland Hydi Primary Indica Surface W High Wate Saturation Water Mai	re not present. Hydrogy Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) rks (B1)		red: check all tha Water-St Aquatic I True Aqu Hydrogei	it apply) tained Lea Fauna (B1 uatic Plant n Sulfide (	3) s (B14) Odor (C1	)		Secondar Surfa Drain Dry-S Crayl	y Indicators ce Soil Crac age Patterns Season Wate fish Burrows	(minimum of t ks (B6) s (B10) er Table (C2) (C8)	wo regui
Depth (inc Remarks: Hydric soils ar YDROLOC Vetland Hydi Primary Indica Surface W High Wate Saturation Water Mai	re not present. Hydrogy rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)		red: check all tha  Water-St  Aquatic I  True Aqu  Hydrogei  Oxidized	t apply) tained Lea Fauna (B1 uatic Plant n Sulfide ( Rhizosph	3) is (B14) Odor (C1 ieres on	) Living R		Secondar Surfa Drain Dry-S Crayl	y Indicators ce Soil Crac age Patterns Season Wate fish Burrows ation Visible	(minimum of t ks (B6) s (B10) er Table (C2) (C8) on Aerial Ima	wo regui
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## 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: 7/17/2019 Applicant/Owner: City of Chicago State: IL Sampling Point: NE41 WET Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, Mead & Hunt, Inc. Section, Township, Range: Section 32, T41N, R12E Local relief (concave, convex, none): concave Landform (hillside, terrace, etc.): depression Long: -87.8910106 Datum: WGS84 Slope (%): < 1% Lat: 42.00114556 Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Predominantly Non-hydric (6%)) NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation\_\_\_\_, Soil\_\_\_\_, or Hydrology\_\_\_\_significantly disturbed? Are "Normal Circumstances" present? Yes X No\_ Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X Is the Sampled Area Hydric Soil Present? Yes X within a Wetland? Yes X No No Yes X Wetland Hydrology Present? Remarks: Edge mown regularly. Tractor ruts present along edges. VEGETATION - Use scientific names of plants. (Plot size: Tree Stratum Dominance Test worksheet: % Cover Species? Number of Dominant Species That Are OBL, FACW, or FAC: 2. (A) 3 Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That =Total Cover Are OBL, FACW, or FAC: 100.0% (A/B) Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: 3. OBL species \_\_\_\_\_51 \_\_\_ x 1 = \_\_\_\_51 FACW species 54 x 2 = x 3 = FAC species 5. =Total Cover FACU species x 4 =0 x 5 = Herb Stratum (Plot size: UPL species \_ Column Totals: 110 (A) 1. Phalaris arundinacea FACW Yes 2. Carex stipata 25 OBL Prevalence Index = B/A = \_\_ 15 No OBL 3. Juncus nodosus 4. Eleocharis obtusa 10 OBL Hydrophytic Vegetation Indicators: 5. Juncus dudleyi 5 No **FACW** X 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% Juncus tenuis 5 FAC 6 No Carex tribuloides 1 OBL X 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 10. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 110 =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 X Remarks: (Include photo numbers here or on a separate sheet.)

ENG FORM 6116-7-SG, JUL 2018

Midwest - Version 2.0

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present. Alisma subcordatum also present. About 30ft separates the paired points with about 1ft change in

	cription: (Describe	to me net		ument t x Featur		ונטו טו ט	Oniiiiii tiie abse	nce or mar	cators.j	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	res Type <sup>1</sup>	Loc <sup>2</sup>	Tevture		Remarks	
400 400	AND THE PERSON NAMED IN COLUMN 1		Color (moist)	70	Турс	100	Texture		2009-201-2	
0-6	10YR 3/1	100				200	Loamy/Claye	2000	silt loam	12 200
6-14	10YR 5/2	95	7.5YR 4/6		<u> </u>	_M_	Loamy/Claye	<u>y</u> Pr	ominent redox conce	ntration
				_	=					
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix,	VIS=Mas	ked Sand	Grains	. <sup>2</sup> Loc	ation: PL=f	Pore Lining, M=Matri	Х
Hydric Soil	Indicators:								Problematic Hydric	
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			Coast Prairi	e Redox (A16)	
Histic Ep	pipedon (A2)		Sandy Re	dox (S5)				Iron-Mangar	nese Masses (F12)	
Black Hi	stic (A3)		Stripped N	/latrix (Si	3)		<u> </u>	Red Parent	Material (F21)	
Hydroge	n Sulfide (A4)		Dark Surfa	ace (S7)			<u> </u>	Very Shallo	w Dark Surface (F22	.)
Stratified	d Layers (A5)		Loamy Mu	cky Min	eral (F1)			Other (Expl	ain in Remarks)	
2 cm Mu	ck (A10)		Loamy Glo	eyed Ma	trix (F2)					
X Depleted	d Below Dark Surface	e (A11)	X Depleted	Matrix (F	3)					
Thick Da	ark Surface (A12)		Redox Da	rk Surfac	e (F6)		<sup>3</sup> Indi	cators of hy	drophytic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted	Dark Sur	face (F7)	B	19	wetland hyd	lrology must be pres	ent,
5 cm Mu	icky Peat or Peat (S3	3)	Redox De	pression	s (F8)		1	unless distu	rbed or problematic.	
Restrictive	Layer (if observed):	į								
Tyme:										
Type:										
Depth (ir	are present. Hydric s	soils indica	ators Depleted Belo		Surface (/	411) and	Hydric Soil Pre		Yes X	No_
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Depth (in Remarks: Hydric soils : High Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatii Sparsely Field Obser Surface Water Table Saturation P (includes car	are present. Hydric solutions: cators (minimum of or water (A1) titer Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) ot or Crust (B4) rosits (B5) on Visible on Aerial Ir of Vegetated Concave vations: ter Present? Ye Present? Ye present? Ye	magery (Bessel Surface (	ired: check all that  — Water-Sta — Aquatic Fa — True Aqua — Hydrogen — Oxidized F — Presence — Recent Irc — Thin Muck - Gauge or  B8) — Other (Ex)  NoX  NoX  NoX	apply) ined Lea auna (B1 stic Plant Sulfide ( Rhizosph of Reduc s Surface Well Dat blain in F Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1) teres on L ced fron (c) to (C7) ta (D9) Remarks) Inches): Inches): Inches):	) Living Ro (C4) Illed Soil:	oots (C3) X s (C6) X	ondary Indic Surface Soi Drainage Pa Dry-Season Crayfish Bu Saturation \ Stunted or S Geomorphic FAC-Neutra	tisfied.  tators (minimum of traction of the content of the conten	wo reau

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APPENDIX L L-172 NOVEMBER 2022

U.S. Army Corps of El WETLAND DETERMINATION DATA SI See ERDC/EL TR-07-24; the proponent	HEET – Mid		1	ent Control Symbol EXEMPT 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD) Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Kim Shannon, Mead & H			State: IL	Sampling Date: 9/11/2019 Sampling Point: NE19-104 UPI
	unt, mo.		300	
Landform (hillside, terrace, etc.): plain			oncave, convex, none):	
Slope (%): <1% Lat: 41.98632398		Long: <u>-87.87310886</u>	000000000000000000000000000000000000000	
Soil Map Unit Name: 805A - Orthents, clayey, nearly leve	el (Predominant			
Are climatic / hydrologic conditions on the site typical for	this time of yea	r? Yes	No X (If no, ex	plain in Remarks.)
Are Vegetation, SoilX_, or Hydrologysig	nificantly distur	bed? Are "Normal C	Circumstances" present?	? Yes X No
Are Vegetation , Soil , or Hydrology na	turally problema	atic? (If needed, exp	plain any answers in Re	emarks.)
SUMMARY OF FINDINGS – Attach site map	showing s	ampling point lo	cations transacts	: important features etc
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks: Climatic/hydrologic conditions are not typical due to an 1980s; soils very mixed due to stockpilling.	X X	Is the Sampled Ar within a Wetland? amount of rainfall duri	Yes	No X ea is a dump site from the
VEGETATION – Use scientific names of plan				
AGA AGE DE SECURI AS AS ASSESSED DE	% Cover Sp 3	minant Indicator ecies? Status No FACU  al Cover	Dominance Test wo Number of Dominant Are OBL, FACW, or I Total Number of Dom Across All Strata: Percent of Dominant Are OBL, FACW, or I	Species That
1			Prevalence Index w	orksheet:
2.			Total % Cover o	f: Multiply by:
3			OBL species	1 x 1 = 1
4			FACW species 1	4 x 2 = 28
5				2 x 3 = 6
	=Tota	al Cover	100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10	31 x 4 = 324
Herb Stratum (Plot size: 5ft )		5.011		0 x 5 = 50
1. Schedonorus arundinaceus		Yes FACU	Column Totals: 10	
2. Poa palustris		No FACW	Prevalence Index	= B/A = <u>3.79</u>
Symphyotrichum ericoides     Fragaria virginiana		No FACU	Hydrophytic Vegeta	tion Indicators:
5. Eupatorium altissimum	5	No UPL	A	r Hydrophytic Vegetation
6. Juncus dudleyi	4 —	No FACW	2 - Dominance T	150 70 20 151
7. Leucanthemum vulgare	3 -	No UPL	3 - Prevalence In	sa carra contr
8. Bidens bipinnata	2	No FAC		Adaptations (Provide supporting
9. Dipsacus laciniatus		No UPL	<u> </u>	ks or on a separate sheet)
10. Asclepias verticillata	1 -	No FACU	Problematic Hydr	rophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	105 =Tota	al Cover	<sup>1</sup> Indicators of hydric s	soil and wetland hydrology must sturbed or problematic.
1		al Cover	Hydrophytic Vegetation Present? Yes	No X

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

Community Type: developed land HGM Type: Hydrophytic volume.

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Hydrophytic vegetation is not present.

<b>VEGETATION Continued</b> – Use scientific	names o	f plants.		Sampling Point: NE19-104 UF
000 000 0	Absolute	Dominant	Indicator	201 - 1000 201 10 10 100 100 10
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diamet
7.				at breast height (DBH), regardless of height.
8.				at breast neight (BBH), regulatess of height.
9.				Sapling/Shrub – Woody plants less than 3 in. DBH
		-	-	and greater than 3.28 ft (1 m) tall.
10.				Standard Contractions Security Standard No. 2009 Standard
11.		· ——	<del></del>	Herb – All herbaceous (non-woody) plants, including
12.	:		:	herbaceous vines, regardless of size, and woody plan less than 3.28 ft tall.
13.				
	3	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
Sapling/Shrub Stratum				height.
6.				
7.				
8.				
0				
33 (40)		. — .		
10.	7		-	
11.		· —		
12.		·		
13			-	
		=Total Cover		
Herb Stratum				
11. Lythrum salicaria	1	No	OBL	
12.				
13.		. ——		
14		· — -	<u> </u>	
14	1		2	
15		. ——		
16		· ——		
17	-		7	
18.				
19.				
20.				
21.				
22.				
	105	=Total Cover		
10(		- Total Cover		
Woody Vine Stratum				
3.	-	· <del></del>	· ·	
4.	-		-	
5				
6.				
7.				
•		=Total Cover		
Demonstrati (Institute whete minchese have as as a com-				
Remarks: (Include photo numbers here or on a sep	arate sneet.	):		
i				

	ription: (Describe	.o ure depu			murcator or	commin the abs	sence o	muicators	5.)	
Depth	Matrix		CART III 1786 - 1867	lox Features					B	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> Ty	ype¹ Loc²	NO. 1007000		1000 10	Remarks	0.00
0-6	10YR 3/2	100				Loamy/Clay			rocks, building	
6-14	10YR 3/2	100				Loamy/Clay	/ey	W	ith smaller grav	el
				==					soils mixed	
Type: C=Co	oncentration, D=Depl	letion, RM=l	Reduced Matrix,	MS=Masked	I Sand Grain	s. <sup>2</sup> Lo	ocation:	PL=Pore L	ining, M=Matrix	io.
Hydric Soil I	ndicators:					Inc	dicators	for Proble	matic Hydric S	ioils³:
Histosol (	(A1)		Sandy G	leyed Matrix (	(S4)		Coast	Prairie Red	lox (A16)	
Histic Ep	ipedon (A2)		Sandy R	edox (S5)			Iron-M	anganese M	Masses (F12)	
Black His	stic (A3)		Stripped	Matrix (S6)			Red P	arent Mater	ial (F21)	
Hydroger	n Sulfide (A4)		Dark Sur	face (S7)			Very S	hallow Dark	k Surface (F22)	
Stratified	Layers (A5)		Loamy M	lucky Mineral	(F1)		Other	(Explain in I	Remarks)	
2 cm Mu	ck (A10)			Bleyed Matrix (	(F2)					
	Below Dark Surface	(A11)	Depleted	Matrix (F3)						
	rk Surface (A12)		Redox D	ark Surface (F	F6)	³In		8 8 8	ytic vegetation	
	ucky Mineral (S1)		-	Dark Surface					must be prese	nt,
5 cm Mu	cky Peat or Peat (S3	)	Redox D	epressions (F	-8)		unless	disturbed of	or problematic.	
Restrictive L	.ayer (if observed):									
Type:			_							
Depth (in Remarks:	ches):		ydric soils criter	ia. Pieces of	fbrick, large	Hydric Soil P			Yess disturbed.	No <u>&gt;</u>
Depth (in Remarks:	according to the control of the cont		ydric soils criter	ia. Pieces of	f brick, large	5/1/2 1000 d 1/1/2/1000 d 1/1/2/2/1000 d 1/1/2/2/1000 d 1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2				No
Depth (in Remarks: Hydric soils a	are not present. Does		— lydric soils criter	ia. Pieces of	f brick, large	5/1/2 1000 d 1/1/2/1000 d 1/1/2/2/1000 d 1/1/2/2/1000 d 1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2				No_>
Depth (in Remarks: Hydric soils a	GY drology Indicators:	s not meet h			f brick, large	rocks and small	gra∨el p	resent; soils	s disturbed.	No _>
Depth (In Remarks: Hydric soils a Hy	GY drology Indicators: ators (minimum of o	s not meet h	ed: check all tha	t apply)		rocks and small	gravel p	resent; soils	s disturbed.	
Depth (in Remarks: Hydric soils a  HYDROLO Wetland Hyd Primary Indic Surface \	GY drology Indicators: ators (minimum of o	s not meet h	ed: check all tha Water-St	t apply) tained Leaves		rocks and small	gravel p condary Surfac	resent; soils	s disturbed.  (minimum of two	
Depth (in Remarks: Hydric soils a Hydric soils a HydroLO Wetland HydroLO Surface Netland HydroLO HydroLO Surface Netland HydroLO High Wal	GY drology Indicators: eators (minimum of o	s not meet h	ed: check all tha Water-St Aquatic F	<u>t apply)</u> ained Leaves Fauna (B13)	s (B9)	rocks and small	gravel p  condary Surfac Draina	Indicators e Soil Craci	(minimum of tw ks (B6) s (B10)	
Depth (in Remarks: Hydric soils a High Wai Saturatio	GY drology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3)	s not meet h	ed: check all tha Water-St Aquatic F	<u>t apply)</u> tained Leaves Fauna (B13) uatic Plants (B	s (B9) 314)	rocks and small	condary Surfac Draina Dry-Se	Indicators e Soil Craci ge Patterns eason Wate	(minimum of tw ks (B6) s (B10) or Table (C2)	
Depth (in Remarks: Hydric soils a High Wai Saturatio Water Ma	GY drology Indicators: actors (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1)	s not meet h	ed: check all tha Water-St Aquatic F True Aqu Hydrogei	it apply) lained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo	s (B9) B14) or (C1)	rocks and small	condary Surfac Draina Dry-Se Crayfis	Indicators e Soil Craci ge Patterns ason Wate sh Burrows	(minimum of tw ks (B6) s (B10) or Table (C2) (C8)	o require
Primary Indic Surface V High Wat Saturatio Water Ma Sedimen	GY drology Indicators: actors (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	s not meet h	ed: check all tha  Water-St  Aquatic F  True Aqu  Hydroger  Oxidized	it apply) tained Leaves Fauna (B13) tatic Plants (B n Sulfide Odo Rhizosphere:	s (B9) 314) or (C1) s on Living I	rocks and small	condary Surfac Draina Dry-Se Crayfis Satura	Indicators e Soil Cracinge Patterns eason Wate the Burrows tion Visible	(minimum of tw ks (B6) s (B10) or Table (C2) (C8) on Aerial Imag	o require
Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep	GY drology Indicators: actors (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3)	s not meet h	ed: check all tha  Water-St Aquatic F True Aqu Hydroger Oxidized Presence	tt apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizospheres e of Reduced	s (B9) B14) or (C1) ss on Living I Iron (C4)	rocks and small  Se  Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stresse	(minimum of tw ks (B6) 5 (B10) or Table (C2) (C8) on Aerial Imag ed Plants (D1)	o require
HYDROLO Wetland Hyd Primary India Surface \ High Water Ma Sedimen Drift Dep Algal Mai	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	s not meet h	ed: check all tha  Water-St Aquatic F True Aqu Hydroger Oxidized Presence	ut apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizospheres e of Reduced ron Reduction	s (B9) B14) or (C1) os on Living I Iron (C4) on in Tilled Sc	rocks and small  Se  Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte	Indicators : e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stressi	(minimum of tw ks (B6) s (B10) rr Table (C2) (C8) on Aerial Imag ed Plants (D1)	o require
Primary India Surface V High Water Ma Sedimen Drift Dep Algal Mat Iron Depo	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	s not meet h	ed: check all tha  Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	at apply) tained Leaves Fauna (B13) tatic Plants (B n Sulfide Odo Rhizospheres e of Reduced ron Reduction sk Surface (Ci	s (B9) B14) or (C1) os on Living I Iron (C4) on in Tilled Sc	rocks and small  Se  Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stresse	(minimum of tw ks (B6) s (B10) rr Table (C2) (C8) on Aerial Imag ed Plants (D1)	o require
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Depth (in Remarks: Hydric soils a second soils a se	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye Present? Ye	magery (B7) Surface (B8	ed: check all tha  Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or B)  No X No X	at apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizosphere: e of Reduced ron Reduction ck Surface (C' r Well Data (C xplain in Rem-	s (B9) B14) or (C1) es on Living I linn (C4) n in Tilled Sc 7) D9) narks)	Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stress orphic Posit leutral Test	(minimum of tw ks (B6) s (B10) er Table (C2) (C8) on Aerial Imag ed Plants (D1) tion (D2) (D5)	o require
Depth (in Remarks: Hydric soils a Hy	GY  drology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye	nagery (B7) Surface (B8	ed: check all tha  Water-St  Aquatic F  True Aqu  Hydroger  Oxidized  Presence  Recent Ir  Thin Muc  Gauge of  B)  No X	at apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizosphere: e of Reduced ron Reduction ck Surface (Ci r Well Data (C xplain in Rem	s (B9) B14) or (C1) es on Living I linn (C4) n in Tilled Sc 7) D9) narks)	rocks and small  Se  Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stress orphic Posit leutral Test	(minimum of tw ks (B6) s (B10) or Table (C2) (C8) on Aerial Imag ed Plants (D1) tion (D2) (D5)	o require
Depth (in Remarks: Hydric soils a Hy	GY  drology Indicators: cators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye Present? Ye ersent? Ye ersent? Ye ersent? Ye ersent? Ye	magery (B7) Surface (B8	ed: check all tha  Water-St  Aquatic F  True Aqu  Hydroger  Oxidized  Presence  Recent In  Thin Mu  Gauge of  8)  Other (E:  No X  No X  No X	at apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizosphere: e of Reduced ron Reduction ch Surface (C) r Well Data (D xxplain in Rem: Depth (inch-	s (B9)  B14)  or (C1)  s on Living I  Iron (C4)  n in Tilled Sc  7)  D9)  harks)  hes):  hes):	Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stress orphic Posit leutral Test	(minimum of tw ks (B6) s (B10) er Table (C2) (C8) on Aerial Imag ed Plants (D1) tion (D2) (D5)	o require
Depth (in Remarks: Hydric soils a Hy	GY  drology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye	magery (B7) Surface (B8	ed: check all tha  Water-St  Aquatic F  True Aqu  Hydroger  Oxidized  Presence  Recent In  Thin Mu  Gauge of  8)  Other (E:  No X  No X  No X	at apply) tained Leaves Fauna (B13) uatic Plants (B n Sulfide Odo Rhizosphere: e of Reduced ron Reduction ch Surface (C) r Well Data (D xxplain in Rem: Depth (inch-	s (B9)  B14)  or (C1)  s on Living I  Iron (C4)  n in Tilled Sc  7)  D9)  harks)  hes):  hes):	Roots (C3)	condary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	Indicators e Soil Craci ge Patterns ason Wate sh Burrows tion Visible d or Stress orphic Posit leutral Test	(minimum of tw ks (B6) s (B10) er Table (C2) (C8) on Aerial Imag ed Plants (D1) tion (D2) (D5)	o require

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APPENDIX L L-175 NOVEMBER 2022

U.S. Army Corps of E				Requireme	nt Control S	ymbol	
WETLAND DETERMINATION DATA S	HEET - Mid	west Reg	ion	1	EXEMPT		
See ERDC/EL TR-07-24; the proponen	it agency is (	CECW-CC	)-R	(Authority: AR	335-15, parag	graph 5	-2a)
Project/Site: Chicago O'Hare International Airport (ORD	)	City/County	: Chicago/C	ook	Sampling Date	e: 9/11/:	2019
Applicant/Owner: City of Chicago				State: IL	Sampling Poin	t: NE19-1	04 WET
Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, M	load & Hunt Inc.	Section Tow	nshin Pang	VICT 3270 00 10- 00000001 -	- A (E)		
Landform (hillside, terrace, etc.): shallow basin							
Soil Map Unit Name: 805A - Orthents, clayey, nearly lev							
Are climatic / hydrologic conditions on the site typical for				No X (If no, exp		V	
e se a demonstrata prese internalisent incapprotonistator aberiator zone estiblista prin	PROPER STREET SECTIONS			or total			
Are Vegetation, SoilX_, or Hydrologysi							-
Are Vegetation, Soil, or Hydrologyna			53	in any answers in Rer			
SUMMARY OF FINDINGS – Attach site ma	p showing s	ampling	point loca	ations, transects,	important fo	eatures	, etc.
Hydrophytic Vegetation Present? Yes X No		Is the Sa	ampled Area	•			
Hydric Soil Present? Yes X No			Wetland?	Yes X	No		
Wetland Hydrology Present? Yes X No		sere area and					
Remarks:							
Climatic/hydrologic conditions are not typical due to an	above average	amount of ra	ainfall during	September 2019. So	il dump area.		
VEGETATION – Use scientific names of plan							
Tree Stratium (Diet size: 20ff )			dicator	Daminanaa Taat war	lea ha a fu		
Tree Stratum (Plot size: 30ft )  1. Populus deltoides			FAC	Dominance Test wor			
2.	13	103	-	Number of Dominant 8 Are OBL, FACW, or Fa		4	(A)
3.				Total Number of Domi			- 1. 7
4.				Across All Strata:		4	(B)
5				Percent of Dominant S	pecies That		
	15 =Tot	al Cover	·	Are OBL, FACW, or Fa	AC:	100.0%	(A/B)
Sapling/Shrub Stratum (Plot size:)					And a second consequence of the		
1.				Prevalence Index wo		als e las es	
2. 3.			—— II -	Total % Cover of: OBL species 50		ply by: 50	-
4.	-			FACW species 43		86	=
5.			_	FAC species 17	1 200	51	-
•	=Tot	al Cover		FACU species 0	x 4 =	0	_
Herb Stratum (Plot size: 5ft )				UPL species 0	x 5 =	0	-
1. Juncus torreyi	35				O(A)	187	(B)
2. Lythrum salicaria	25	Yes	OBL	Prevalence Index =	B/A =1	.70	-
3. Lycopus americanus	6		OBL FACW	Hydrophytic Vegetati	on Indicators		
Juncus dudleyi     Typha angustifolia	5	No I	100000000000000000000000000000000000000	x 1 - Rapid Test for		etation	
6. Bidens bipinnata	2	No	FAC	X 2 - Dominance Te	180 10 21 10	jetation	
7. Fraxinus pennsylvanica	2		FACW	X 3 - Prevalence Inc	and the same of th		
8.				4 - Morphological	Adaptations <sup>1</sup> (Pr	ovide sup	porting
9.				data in Remark	s or on a separa	te sheet)	
10				Problematic Hydro	phytic Vegetation	on¹ (Expla	ain)
	95 =Tot	al Cover		Indicators of hydric so			must
Woody Vine Stratum (Plot size:)				be present, unless dist	urbed or probler	natic.	
1		<del></del>		Hydrophytic			
2	=Tot	al Cover		Vegetation Present? Yes_	X No		
Remarks: (Include photo numbers here or on a separa		u. 00701			7. 140	_	
Community Type: wet meadow HGM Type: depressiona		egetation is p	resent. This	point is about 1ft lower	in elevation that	n upland p	oint.

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	TOTAL TOTAL CONTROL OF THE PARTY OF THE PART	to the dep	pth needed to doc			ator or o	confirm the abs	ence of i	ndicators.)		
Depth	Matrix		Redo	x Featur	es						
inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Texture		R	emarks	
0-4	10YR 4/2	100					Loamy/Claye	ey			
4-16	10YR 4/2	89	10YR 5/8	1	C	М	Loamy/Claye	ev	Prominent re	dox concer	ntration
	-		10YR 4/6	10		М			Prominent re	dov conce	ntration
		=	10110 400	=					Tromment to	dox conce	itratio
		=		_	_						
Гуре: С=С	oncentration, D=Dep	letion, RM	I=Reduced Matrix, I	MS=Mas	ked Sand	d Grains	. <sup>2</sup> Loc	cation: F	L=Pore Lining	, M=Matrix	la La
ydric Soil	Indicators:						Ind	icators f	or Problemati	c Hydric S	Soils <sup>3</sup> :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			Coast P	rairie Redox (A	A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)				Iron-Mar	nganese Mass	es (F12)	
Black H	istic (A3)		Stripped N	Matrix (Se	3)			Red Par	ent Material (F	21)	
Hydroge	en Sulfide (A4)		Dark Surfa	ace (S7)				Very Sh	allow Dark Sur	face (F22)	
Stratifie	d Layers (A5)		Loamy Mu	cky Mine	eral (F1)			Other (E	xplain in Rema	arks)	
2 cm Mu	ıck (A10)		Loamy Glo	eyed Mat	trix (F2)			_			
Deplete	d Below Dark Surface	e (A11)	X Depleted								
Thick Da	ark Surface (A12)		Redox Da	rk Surfac	e (F6)		<sup>3</sup> Ind	dicators o	f hydrophytic v	egetation :	and
_	Mucky Mineral (S1)		Depleted I		0 5	)			hydrology mus	(5)	
	ucky Peat or Peat (S3	3)	Redox De						listurbed or pro	1000	51
	are present. Hydrics	soils indica	ator Depleted Matrix	(F3) is	satisfied.		Hydric Soil Pr	esent?	Y	esX	No_
Depth (i		soils indica	ator Depleted Matrix	∢(F3) is	satisfied.		Hydric Soil Pr	resent?	Yo	es X	No_
Depth (i Remarks: Hydric soils	are present. Hydric s	soils indica	ator Depleted Matri;	∢(F3) is	satisfied		Hydric Soil Pr	resent?	Yo	es X	No_
Depth (i Remarks: Hydric soils	are present. Hydric s		ator Depleted Matri;	∢(F3) is	satisfied.		Hydric Soil Pr	resent?	Y	es X	No_
Depth (i Remarks: Hydric soils YDROLO	are present. Hydric s	000			satisfied		•	0.000 (0.000)	Yo		32.00
Depth (i Remarks: Hydric soils YDROLC Vetland Hy Primary Indi	are present. Hydric s  OGY  drology Indicators: cators (minimum of c	000		apply)			•	condary li		imum of tw	32.00
Depth (i Remarks: Hydric soils  YDROLO Vetland Hy Primary Indi X Surface	are present. Hydric s  OGY  drology Indicators: cators (minimum of c	000	uired: check all that	apply) ined Lea	ves (B9)		•	condary Ir Surface	ndicators (mini	imum of tw	32.00
Depth (i Remarks: Hydric soils  YDROLO  Vetland Hy Primary Indi X Surface X High Wa	are present. Hydric s  OGY  Idrology Indicators: cators (minimum of c  Water (A1) ater Table (A2)	000	uired: check all that X Water-Sta	apply) ined Lea auna (B1	ves (B9) 3)		•	condary li Surface Drainage	ndicators (mini Soil Cracks (B	imum of tw 36) 0)	32.00
Depth (i Remarks: Hydric soils  YDROLC  Wetland Hy Primary Indi X Surface X High Wa X Saturation	are present. Hydric s  OGY  Idrology Indicators: cators (minimum of c  Water (A1) ater Table (A2)	000	iired: check all that X Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ives (B9) 3) s (B14)		•	condary li Surface Drainage Dry-Sea	ndicators (mini Soil Cracks (B e Patterns (B10	imum of tw 36) 0) ole (C2)	32.00
Depth (i Remarks: Hydric soils  YDROLC Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M	are present. Hydric solutions: cators (minimum of cators (Mater (A1) ater Table (A2) on (A3)	000	iired: check all that  X Water-Sta Aquatic Fe	apply) ined Lea auna (B1 tic Plant Sulfide (	ves (B9) 3) s (B14) Odor (C1	)	Sec	condary li Surface Drainagi Dry-Sea Crayfish	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tab	imum of tw 36) 0) ole (C2)	o requ
Depth (i Remarks: Hydric soils  YDROLC Wetland Hy Primary Indi X Surface X High Wat X Saturati Water M Sedimer	are present. Hydric society and present are present. Hydric society and present are present are present and present are present and present are present as a present and present are present as a present as a present are present as a present are present as a present a present as a present are present as a present as a present are	000	iired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen	apply) ined Lea auna (B1 titic Plant Sulfide ( Rhizosph	ves (B9) 3) s (B14) Odor (C1 eres on l	) Living R	Sec	condary li Surface Drainago Dry-Sea Crayfish Saturatio	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8)	imum of tw 36) 0) ole (C2) Aerial Imag	o requ
Depth (i Remarks: Hydric soils  YDROLC  Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimer Drift Del	are present. Hydric solutions: Cators (minimum of comparts) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2)	000	x Water-Sta X Water-Sta Aquatic F: True Aqua Hydrogen Oxidized F Presence Recent Irc	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Ti	) Living R (C4)	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (i	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
Depth (i Remarks: Hydric soils  YDROLC  Wetland Hy Primary Indic X Surface X High Wat X Saturati Water M Sedimer Drift Dej Algal Ma	are present. Hydric s  OGY  'drology Indicators: cators (minimum of o  Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)	000	x Water-Sta X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Ti	) Living R (C4)	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tab Burrows (C8) on Visible on A or Stressed Pl	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
Depth (i Remarks: Hydric soils  YDROLC  Vetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimee Algal Ma Iron Dep Inundati	are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (Minimum of comparison (Minimum of compa	one is requ	ired; check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc n Reduc Surface	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ced Ir	) Living R (C4)	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (i	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
Depth (i Remarks: Hydric soils  YDROLC  Vetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimee Algal Ma Iron Dep Inundati	are present. Hydric s  OGY  Indrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) Intrologous (B2) cosits (B1) at or Crust (B4) cosits (B5)	one is requ	ired; check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc Surface Well Dat	oves (B9) 3) s (B14) Ddor (C1 eres on lead Iron (ction in Ties (C7) a (D9)	) Living R (C4)	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (i	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
Depth (i Remarks: Hydric soils  YDROLC  Wetland Hy Frimary Indi X Surface X High Wa X Saturati Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsel	are present. Hydric s  OGY  Idrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II y Vegetated Concave	one is requ	ired; check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc Surface Well Dat	oves (B9) 3) s (B14) Ddor (C1 eres on lead Iron (ction in Ties (C7) a (D9)	) Living R (C4)	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (i	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
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Depth (i Remarks: Hydric soils    YDROLC    Wetland Hy   Primary Indi    X Surface   X High Wa   X Saturati   Water M   Sedimen   Drift Dep   Inundati   Sparsely   Field Obser   Surface Wa   Water Table	are present. Hydric solutions: cators (minimum of of of other than the cators) darks (B1) atter Table (A2) on (A3) darks (B1) atter Table (B2) ososits (B3) at or Crust (B4) ososits (B5) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye Present? Ye	magery (Be Surface (	ired: check all that  X Water-Sta  Aquatic Fi  True Aque  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or  B8)  Other (Ex	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc Surface Well Dat blain in F	oves (B9) 3) s (B14) Ddor (C1 eres on led fron (C7) a (D9) Remarks) nches):	) Living R (C4) Illed Soil	oots (C3)	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor FAC-Ne	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (I utral Test (D5)	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1)	o requ
Depth (i Remarks: Hydric soils  YDROLC Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimen Drift Dep Iron Dep Iron Dep Iron Dep Iron Des Surface Wa Water Table Surface Wa Water Table Saturation F	are present. Hydric solutions: cators (minimum of of of other than the cators) darks (B1) atter Table (A2) on (A3) darks (B1) atter Table (B2) ososits (B3) at or Crust (B4) ososits (B5) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye Present? Ye	magery (Besurface (	ired: check all that  X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Ird Thin Muck 17) Gauge or B8) Other (Ex	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc Surface Well Dat blain in F	oves (B9) 3) s (B14) Ddor (C1 eres on lead from tition in Tition in Tition (C7) a (D9) Remarks) nches):_ nches):_	) Living R (C4) Illed Soil	oots (C3) s (C6) X X	condary II Surface Drainage Dry-Sea Crayfish Saturatie Stunted Geomor FAC-Ne	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (I utral Test (D5)	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1) D2)	o requ
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Depth (i Remarks: Hydric soils  YDROLC  Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimen Drift Dej Inundati Sparsely Field Obser Sourface Wa Water Table Saturation Field Saturation Control of the service of th	are present. Hydric solutions: cators (minimum of of of other than the cators) darks (B1) at rable (A2) on (A3) darks (B1) at rable (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave reations: ter Present? Ye e Present? Ye pillary fringe)	magery (Be Surface (	ired; check all that  X Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  37)  Gauge or  B8)  No  No  No  No  Ionitoring well, aeria	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc is Surface Well Dat blain in F  Depth (i Depth (i Depth (i	oves (B9) 3) s (B14) Ddor (C1 eres on led Iron (ction in Tie (C7) a (D9) nches): _ nches): _ nches): _	) Living R (C4) Illed Soil	oots (C3) s (C6)  Wetland Hydeltions), if available	condary li Surface Drainage Dry-Sea Crayfish Saturatio Stunted Geomor FAC-Ne	ndicators (mini Soil Cracks (B e Patterns (B10 son Water Tat Burrows (C8) on Visible on A or Stressed Pl phic Position (I utral Test (D5)	imum of tw 36) 0) ole (C2) Aerial Imag lants (D1) D2)	o requ

Midwest - Version 2.0

APPENDIX L L-177 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA	TOTAL PROPERTY AND ADDRESS OF THE PARTY OF T	/lidwest R	egion	Requirement EX	Control Syn EMPT	nbol
See ERDC/EL TR-07-24; the propon	ent agency is	s CECW-	CO-R	(Authority: AR 335	5-15, paragra	aph 5-2a)
Project/Site: Chicago O'Hare International Airport (OF	יחפ	City/Cou	nty: Chicago	/Cook or DuPage S	ampling Date:	0/11/2010
Applicant/Owner: City of Chicago	(0)	_ = ===================================	inty. Cinicago,			NE19-104 WET2
Investigator(s): Brauna Hartzell, Kim Shannon, Mead	9 Hunt Inc	Soution 7	Foundhin Bon	nge: Section 4, T40N, R12		NE 19-104 WE12
• ''				200		
Landform (hillside, terrace, etc.): basin, shallow swal	е			oncave, convex, none): cor		
Slope (%): <1% Lat: 41.98653312	0 W PL-10 01 70			Dat		
Soil Map Unit Name: 805A - Orthents, clayey, nearly	level (Predomir					
Are climatic / hydrologic conditions on the site typical			Yes	The state of the s		
Are Vegetation, SoilX_, or Hydrology	significantly di	sturbed? A	Are "Normal Ci	ircumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally probl	ematic? (	If needed, exp	olain any answers in Remar	ks.)	
SUMMARY OF FINDINGS – Attach site n	nap showing	g samplin	g point lo	cations, transects, in	nportant feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	10	Is the	Sampled Are	ea		
	10 <u> </u>		n a Wetland?		No	
Wetland Hydrology Present? Yes X	10 <u> </u>					
Remarks:						
Climatic/hydrologic conditions are not typical due to	an above avera	age amount	of rainfall durin	ng September 2019. Soil du	mp site.	
VEGETATION – Use scientific names of pl	ants.					
Troo Stratum (Diat size: 30ff	Absolute	Dominant Species?	Indicator	Dominance Test worksh	oot:	
Tree Stratum (Plot size: 30ft )  1. Populus deltoides	<u>% Cover</u> 40	Species? Yes	Status FAC			
2.				Number of Dominant Spe Are OBL, FACW, or FAC		5 (A)
3.	0 3			Total Number of Dominar		
4.				Across All Strata:	.5	6 (B)
5.				Percent of Dominant Spe	cies That	
	40 =	Total Cover	S. 3.	Are OBL, FACW, or FAC	83	.3% (A/B)
Sapling/Shrub Stratum (Plot size: 15ft	_)					
Elaeagnus angustifolia	5	Yes	FACU	Prevalence Index works		h. e
2. 3.	· —			Total % Cover of: OBL species 25	x 1 = 2	25
4.	4		<del></del>	FACW species 72		44
5.				FAC species 42	2000	26
*	5 =	Total Cover		FACU species 5	x 4 =	20
Herb Stratum (Plot size: 5ft )	(A			UPL species 1	x 5 =	5
Juncus torreyi	30	Yes	FACW	Column Totals: 145	(A) 3	20 (B)
2. Lythrum salicaria	25	Yes	OBL	Prevalence Index = B/	A = 2.21	
3. Phragmites australis		Yes	FACW		**************************************	
4. Juncus dudleyi	20	Yes	FACW	Hydrophytic Vegetation		- Ü
Fraxinus pennsylvanica     Bidens bipinnata	2 2	No No	FACW FAC	1 - Rapid Test for Hyd X 2 - Dominance Test is	1/ 1 1/21	ation
7. Dipsacus laciniatus	1	No	UPL	X 3 - Prevalence Index	a same and a same a	
8.				4 - Morphological Ada		de supporting
9.				data in Remarks or		
10.				Problematic Hydroph	ytic Vegetation <sup>1</sup>	(Explain)
	100 =	Total Cover		<sup>1</sup> Indicators of hydric soil a	nd wetland hydr	ology must
Woody Vine Stratum (Plot size:	)			be present, unless disturb	ed or problemat	tic.
1.	0 :			Hydrophytic		
2.	8	Total Cover		Vegetation Present? Yes X	No	

D4L	maketekenama kenyanya mena n	to the del				aLUI OI' (	confirm the absence	of mulcators.)	
Depth	Matrix		CONT. INC. 1990. UP 1990.	x Featur		Loc <sup>2</sup>	Taribuna	D	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Туре	LOC	Texture	Rem	×
0-4	10YR 3/2	100	000000000 0000000		-	-	Loamy/Clayey	clay l	01 2000
4-16	10YR 3/2	92	10YR 4/6	3	<u> </u>	M	Loamy/Clayey	Prominent redox	concentration
			10YR 5/1	5	D	<u>M</u>		gravel and pe	bbles in laye
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains	<sup>2</sup> Location	: PL=Pore Lining, M	=Matrix.
Hydric Soil	Indicators:						Indicator	s for Problematic H	lydric Soils <sup>3</sup>
Histoso	I (A1)		Sandy Gle	eyed Mat	rix (S4)		Coas	t Prairie Redox (A16	)
Histic E	pipedon (A2)		Sandy Re	dox (S5)			Iron-I	Manganese Masses	(F12)
Black H	istic (A3)		Stripped N	Matrix (S	6)		Red I	Parent Material (F21)	)
	en Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surfac	e (F22)
_	d Layers (A5)		Loamy Mu				Other	(Explain in Remarks	s)
2 cm Mi	uck (A10)		Loamy Gl						
	d Below Dark Surface	e (A11)	Depleted	PO 100000 EN	40.000.00				
_	ark Surface (A12)		X Redox Da		0 5			s of hydrophytic vege	
	Mucky Mineral (S1)		Depleted			)		nd hydrology must b	100
5 cm Mi	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unles	s disturbed or proble	matic.
Restrictive	Layer (if observed):								
Tuno									
Type:									
Depth (i Remarks: Soil pit cont	ains various size rock	ks, pebble	s and a brick. Very	disturbe	d soils. H	ydric so	Hydric Soil Present	and and an an and an	
Depth (i Remarks:	ains various size rock	ks, pebble:	s and a brick. Very	disturbe	d soils. H	ydric sc	and second and second property and an arrangement	and and an an and an	1300/01
Depth (i Remarks: Soil pit cont (F6) is satis	ains various size rock fied.		s and a brick. Very	disturbe	d soils. H	ydric sc	and second and second property and an arrangement	and and an an and an	1300/01
Depth (i Remarks: Soil pit cont (F6) is satis	ains various size rock fied. DGY vdrology Indicators:				d soils. H	lydric sc	ils are present. Hydrid	soils indicator Redo	ox Dark Surfa
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind	ains various size rock fied. DGY vdrology Indicators: icators (minimum of c		ired: check all that	apply)			ils are present. Hydrid	soils indicator Redo	ox Dark Surfa
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface	pains various size rock fied.  DGY  vdrology Indicators: icators (minimum of of of Water (A1)		ired; check all that X Water-Sta	apply) ained Lea	aves (B9)		ils are present. Hydrid	soils indicator Redo  y Indicators (minimu ce Soil Cracks (B6)	ox Dark Surfa
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High Wi	ains various size rock fied.  DGY  vdrology Indicators: icators (minimum of of the company of th		iired: check all that X Water-Sta Aquatic Fi	apply) ained Lea auna (B1	aves (B9)		ils are present. Hydric Secondar Surfa	y Indicators (minimuce Soil Cracks (B6) age Patterns (B10)	ox Dark Surfa
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati	ains various size rock fied.  OGY  variology 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) ained Lea auna (B1 atic Plant	aves (B9) 3) ss (B14)		Secondar Surfa Drain Dry-S	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) Season Water Table	ox Dark Surfa
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M	ains various size rock fied.  OGY  vdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1)		iired: check all that  X 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 (minimuce Soil Cracks (B6) age Patterns (B10) Season Water Table ish Burrows (C8)	m of two req
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water M Sedime	ains various size rock fied.  DGY  vdrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)		ired; check all that  X 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 l	) Living R	Secondar Surfa Drain Dry-S Crayl oots (C3) Satur	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) Season Water Table ish Burrows (C8) ation Visible on Aeric	m of two req (C2)
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water M Sedime Drift De	ains various size rock fied.  DGY  vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)  Marks (B1) nt Deposits (B2) posits (B3)		ired: check all that  X Water-Ste  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu	aves (B9) 3) ss (B14) Odor (C1 teres on loced Iron (	) Living R (C4)	Secondar Surfa Drain Dry-S Crayl oots (C3) Satur	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) Season Water Table ish Burrows (C8) ration Visible on Aerie ed or Stressed Plant	m of two req (C2) al Imagery (Cs (D1)
Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M:	ains various size rock fied.  DGY  vardrology Indicators: icators (minimum of of of the control		ired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduon Reduon	aves (B9) 3) is (B14) Odor (C1 ieres on l ced Iron ( ction in Ti	) Living R (C4)	Secondar   Surfa	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) beason Water Table fish Burrows (C8) ration Visible on Aeried or Stressed Plant norphic Position (D2)	m of two req (C2) al Imagery (Cs (D1)
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Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Algal M: Iron De; Inundati Sparsel Field Obse	ains various size rock fied.  DGY  Adrology 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 ( Rhizosph of Redu on Redu c Surface Well Dat	aves (B9) 3) s (B14) Odor (C1 eres on led from (ction in Tie (C7) ta (D9) Remarks)	) Living R (C4)	Secondar   Surfa	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) beason Water Table fish Burrows (C8) ration Visible on Aeried or Stressed Plant norphic Position (D2)	m of two req (C2) al Imagery (Cs (D1)
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Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High W: X Saturati Water M Sedime Drift De Inundati Sparsel Field Obsel Surface Wa Water Table Saturation F	ains various size rock fied.  OGY  variology Indicators: icators (minimum of	magery (Besumagery X	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) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc s Surface Well Dai plain in F	aves (B9) 3) is (B14) Odor (C1 ieres on leaded from cition in Tie (C7) ta (D9) Remarks) inches): nches):	) Living R (C4) Iled Soil	Secondar Surfa Drain Dry-S Crayl oots (C3) Satur S (C6) X Geon	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) season Water Table fish Burrows (C8) ration Visible on Aeri ed or Stressed Plant norphic Position (D2) Neutral Test (D5)	m of two req (C2) al Imagery (Cs (D1)
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Depth (i Remarks: Soil pit cont (F6) is satis  HYDROLO Wetland Hy Primary Ind Surface High Wi X Saturati Water N Sedime Drift De Algal M: Iron Dej Inn Det Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	ains various size rock fied.  OGY  varology Indicators: cators (minimum of	magery (Be Surface (	ired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Irc Thin Muck 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduce ( Surface ( Surface ) Dain in F  Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):	) Living R (C4) Illed Soil	Secondar Surfa Drain Dry-S Crayl oots (C3) Satur Stunt S (C6) X Geon X FAC-	y Indicators (minimu ce Soil Cracks (B6) age Patterns (B10) season Water Table fish Burrows (C8) ration Visible on Aeri ed or Stressed Plant norphic Position (D2) Neutral Test (D5)	m of two req (C2) al Imagery (Cs (D1)

Midwest - Version 2.0

APPENDIX L L-179 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHËET -	Midwest R		·	ent Control Syr EXEMPT 335-15, paragr	
Project/Site: Chicago O'Hare International Airport (OR Applicant/Owner: City of Chicago			-	State: IL	• 8 E	9/11/2019 NE19-104 WET
Investigator(s): Brauna Hartzell, Kim Shannon, Mead 8	Hunt, Inc.					
Landform (hillside, terrace, etc.): basin				oncave, convex, none):		
Slope (%): <1% Lat: 41.98613701			87.87292522			
Soil Map Unit Name: 805A - Orthents, clayey, nearly le					•	
Are climatic / hydrologic conditions on the site typical f			-	No X (If no, ex		
Are Vegetation, SoilX_, or Hydrology	significantly	disturbed? A	Are "Normal Ci	rcumstances" present	? Yes_X_ No	<u> </u>
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (	If needed, exp	lain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site m	ap showi	ng samplin	ıg point loc	ations, transects	s, important fea	tures, etc.
2		within	Sampled Aren a Wetland?	Yes X		amount of
VEGETATION – Use scientific names of pla	ints.					
Tree Stratum         (Plot size:		Dominant Species? Yes  =Total Cover	Indicator Status FAC	Dominance Test wo Number of Dominant Are OBL, FACW, or I Total Number of Dom Across All Strata: Percent of Dominant Are OBL, FACW, or I	Species That FAC: ninant Species Species That FAC: 10 orksheet:	3 (A) 3 (B) 0.0% (A/B)
2				Total % Cover of OBL species 1		18
3	<u> </u>					130
5.				process and	2000	30
		=Total Cover		FACU species	0 x 4 =	0
Herb Stratum (Plot size: 5ft )					0 x 5 =	0
1. Juncus torreyi	30	Yes	FACW	Column Totals: 9		178 (B)
2. Juncus dudleyi	10	Yes	FACW	Prevalence Index	= B/A = 1.91	
Lythrum salicaria     Scirpus pendulus	5	No No	OBL OBL	Hydrophytic Vegeta	tion Indicators:	
5. Poa palustris	5	No	FACW	A AND A MINE DAY	r Hydrophytic Veget	ation
6. Carex stipata	3	No	OBL	X 2 - Dominance T	130 30 31 153	ation
7.				X 3 - Prevalence In	- control of the cont	
8.				<u> </u>	I Adaptations <sup>1</sup> (Prov	
9					ks or on a separate	
10			·		rophytic Vegetation	
Woody Vine Stratum (Plot size:	83	=Total Cover		<sup>1</sup> Indicators of hydric s be present, unless di		
1. 2.		T-1-1-0		Hydrophytic Vegetation	V No	

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

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

-	monetenende kannon menn p	to the de	• December 1980			ator or o	confirm the absence	or indicators.)
Depth	Matrix	29	907 M 700 M 1997	x Featur	4	. 2		
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Туре	Loc²	Texture	Remarks
0-6	10YR 4/1	95	7.5YR 4/6	5	<u> </u>	M_	Loamy/Clayey	Prominent redox concentration
6-12	10YR 4/1	98	5YR 4/6	2	C	M	Loamy/Clayey	Prominent redox concentration
12-16	7.5YR 5/1	80	7.5YR 4/6	20	С	M	Loamy/Clayey	Prominent redox concentration
								previous 2 layers are loamy cla
						8		rocks present in 6-12"
		-				6c		
				. —				-
	Concentration, D=Dep	letion, RM	1=Reduced Matrix,	MS=Mas	ked Sand	d Grains		PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
ACTOR - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	Indicators:		Sandy Gle	wood Mot	riv (CA)			t Prairie Redox (A16)
Histosol	pipedon (A2)		Sandy Re	8 10000000	1 1			Manganese Masses (F12)
	istic (A3)		Stripped N					Parent Material (F21)
	en Sulfide (A4)		Dark Surfa		5)			Shallow Dark Surface (F22)
200000 20000	d Layers (A5)				eral (E1)			(Explain in Remarks)
_	uck (A10)		Loamy Mu Loamy Gl					(Explain in Normalika)
	d Relow Dark Surface	(Δ11)	X Depleted					
	ark Surface (A12)	(411)	Redox Da				3 Indicator	s of hydrophytic vegetation and
_	Mucky Mineral (S1)		— Negleted		0 5	١		nd hydrology must be present.
	ucky Peat or Peat (S3	3)	Redox De			, A		s disturbed or problematic.
	Layer (if observed):			EMERENESIA	- C - D/	1		
Type:	Layer (ii observea).							
Depth (i Remarks:	nches):	present.	Hydric soils indicate	or Deplete	ed Matrix	(F3) is	Hydric Soil Present	? Yes <u>X</u> No_
Depth (i Remarks:		present.	Hydric soils indicate	or Deplete	ed Matrix	(F3) is	Section of the sectio	? Yes <u>X</u> No _
Depth (i Remarks:	sent. Hydric soils are p	present. I	Hydric soils indicate	or Deplete	ed Matrix	(F3) is	Section of the sectio	? Yes <u>X</u> No_
Depth (i Remarks: Rutting pres	DGY				ed Matrix	(F3) is	satisfied.	
Depth (i Remarks: Rutting pres HYDROLO Wetland Hy Primary Ind	DGY  vdrology Indicators: icators (minimum of c		uired; check all that	apply)			satisfied.	y Indicators (minimum of two requir
Depth (i Remarks: Rutting pres HYDROLO Wetland Hy Primary Ind Surface	DGY vdrology Indicators: icators (minimum of of Water (A1)		uired; check all that X Water-Sta	apply)	aves (B9)		satisfied.  Secondar Surfa	y Indicators (minimum of two requir ce Soil Cracks (B6)
Depth (i Remarks: Rutting pres HYDROLO Wetland Hy Primary Ind Surface High Wi	DGY  rdrology Indicators: icators (minimum of c Water (A1) ater Table (A2)		uired: check all thatX_Water-StaAquatic Fi	apply) ained Lea auna (B1	aves (B9) 3)		satisfied.  Secondar  Surfa  Drain	<u>v Indicators (minimum of two requir</u> ce Soil Cracks (B6) age Patterns (B10)
Depth (i Remarks: Rutting pres  HYDROLO Wetland Hy Primary Ind Surface High Wi Saturati	pogy rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		uired: check all that  X Water-Sta Aquatic Fi	apply) ained Lea auna (B1 atic Plant	aves (B9) 3) s (B14)		satisfied.  Secondar Surfa Drain Dry-S	y Indicators (minimum of two requir ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2)
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Ind Surface High W: Saturati Water M	pogy vdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1)		uired: check all that  X 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 X Crayl	y Indicators (minimum of two requir ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8)
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Ind Surface High Water M Sedime	pogy  Address (Minimum of of Water (A1) ater Table (A2) on (A3) Aarks (B1) nt Deposits (B2)		uired: check all that  X Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	aves (B9) 3) s (B14) Odor (C1 eres on l	) Living R	Secondar	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Indi Surface High W: Saturati Water N Sedime Drift De	DGY  vdrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)		uired: check all that  X Water-Ste Aquatic F: True Aqua Hydrogen Oxidized I	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1 eres on loced iron (	) Living R (C4)	Secondar	y Indicators (minimum of two requir ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1)
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M.	DGY  vidrology Indicators: icators (minimum of o Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		uired: check all that  X Water-Sta Aquatic F: True Aqua Hydrogen Oxidized I Presence Recent Iro	apply) ained Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduc on Reduc	aves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   X Crayl   Oots (C3)   Satur   Stunt   St (C6)   X Geon	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2)
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Indi Surface High W. Saturati Water M Sedime Drift De Algal M Iron De	poent. Hydric soils are production of control of the control of th	one is requ	uired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck	apply) ained Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface	aves (B9) 3) s (B14) Odor (C1 eres on lead from ode from in Title (C7)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   X Crayl   Oots (C3)   Satur   Stunt   St (C6)   X Geon	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) leason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1)
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Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Indi Surface High W. Saturati Water N Sedime Drift De Algal M Iron Dej Inundati Sparsel	pogy  Adrology Indicators:  icators (minimum of	one is requ	uired: 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 ( Rhizosph of Reduc on Reduc c Surface Well Dat	aves (B9) 3) s (B14) Ddor (C1 eres on led from the condition in Tile (C7) is (D9)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   X Crayl   Oots (C3)   Satur   Stunt   St (C6)   X Geon	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2)
Depth (i Remarks: Rutting pres  HYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M. Iron Dej Inundati Sparsel	poent. Hydric soils are productions:  cators (minimum of or water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial In y Vegetated Concaver	one is requ magery (E Surface	uired: check all that  X Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  37)  Gauge or  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F	aves (B9) 3) s (B14) Odor (C1 eres on led Iron (ction in Tie (C7) a (D9) Remarks)	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   X Crayl   Oots (C3)   Satur   Stunt   St (C6)   X Geon	y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2)
Depth (i Remarks: Rutting pres  HYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M. Iron Dej Inundati Sparsel	pogy  Idrology Indicators: Idators (minimum of	one is requ magery (E Surface	uired: 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 ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F	aves (B9) 3) s (B14) Odor (C1 eres on led fron in Ti e (C7) a (D9) Remarks) nches): _	) Living R (C4)	Secondar   Surfa   Drain   Dry-S   X Crayl   Oots (C3)   Satur   Stunt   St (C6)   X Geon	y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2)
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Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Del Inundati Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	pogy  Indicators:	magery (E Surface s s	X   Water-Sta   Aquatic Fi   True Aqua   Hydrogen   Oxidized   Presence   Recent Irc   Thin Muck   S7   Gauge or   Gauge or   Cher (Ex   No   X   No   X   No   X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc of Surface ( Surface Well Dat plain in F  Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 eres on led from the (C7) are (D9) Remarks) nches): nches): nches):	) Living R (C4) Illed Soi	Secondar Surfa Drain Dry-S X Crayl oots (C3) Satur Stunt St (C6) X Geon X FAC-	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
Depth (i Remarks: Rutting pres  HYDROLC  Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Del Inundati Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	poent. Hydric soils are productions: cators (minimum of or cators (minimum or cators (minimum of or cators (minimum of or cators (minimum or cators (minimum of or cators (minim	magery (E Surface s s	X   Water-Sta   Aquatic Fi   True Aqua   Hydrogen   Oxidized   Presence   Recent Irc   Thin Muck   S7   Gauge or   Gauge or   Cher (Ex   No   X   No   X   No   X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc of Surface ( Surface Well Dat plain in F  Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 eres on led from the (C7) are (D9) Remarks) nches): nches): nches):	) Living R (C4) Illed Soi	Secondar Surfa Drain Dry-S X Crayl oots (C3) Satur Stunt St (C6) X Geon X FAC-	y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)

Midwest - Version 2.0

APPENDIX L L-181 NOVEMBER 2022

U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propon-	SHEET - I	Midwest R		Requirement Control Symbol EXEMPT (Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (OF	₹D)	City/Cou	nty: Chicago/	AND
Applicant/Owner: City of Chicago				State: IL Sampling Point: NE19-105 U
Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannor	ı, Mead & Hunt, In	Section, 7	ownship, Ran	ge: Section 4, T40N, R12E
Landform (hillside, terrace, etc.): midslope			Local relief (co	oncave, convex, none): convex
Slope (%): 2-3 Lat: 41.98601294		Long:	87.87521151	Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly	level (Predom	inantly Non-h	ydric (6%))	NWI classification:
Are climatic / hydrologic conditions on the site typical			Yes	<del></del>
Are Vegetation, SoilX_, or Hydrology				
Are Vegetation, Soil, or Hydrology				
				cations, transects, important features, etc
	×= ×	1		
Hydric Soil Present? Yes N	10 X 10 X		Sampled Are a Wetland?	
	<u> </u>			
Remarks: Area is a stockpiling and dump site and has very dis				
VEGETATION – Use scientific names of pl				
<u>Tree Stratum</u> (Plot size:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species That
2.				Are OBL, FACW, or FAC:1(A)
3.				Total Number of Dominant Species
4				Across All Strata: 2 (B)
5	. ——			Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size:	10 M	=Total Cover		Are OBL, FACW, or FAC: 50.0% (A/B
Sapling/Shrub Stratum (Plot size:	.)		H	Prevalence Index worksheet:
2.	. —			Total % Cover of: Multiply by:
3	. —			OBL species x 1 = 0
4	4			FACW species 40 x 2 = 80
5.	• —			FAC species 0 x3 = 0
		=Total Cover		FACU species 5 x 4 = 20
Herb Stratum (Plot size: 5ft )		1010.0010.		UPL species 55 x 5 = 275
1. Dipsacus laciniatus	41	Yes	UPL	Column Totals: 100 (A) 375 (B)
2. Phragmites australis	40	Yes	FACW	Prevalence Index = B/A = 3.75
3. Eupatorium altissimum	5	No	UPL	
4. Ulmus pumila	5	No	UPL	Hydrophytic Vegetation Indicators:
	3	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
Symphyotrichum ericoides				
Symphyotrichum ericoides     Leucanthemum vulgare	3	No	UPL	2 - Dominance Test is >50%
	3	No No	UPL FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
6. Leucanthemum vulgare	3 2 1	1000		3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Leucanthemum vulgare     Solidago canadensis	2	No	FACU	3 - Prevalence Index is ≤3.0  4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
Leucanthemum vulgare     Solidago canadensis     Sporobolus vaginiflorus	1	No No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Leucanthemum vulgare     Solidago canadensis     Sporobolus vaginiflorus     10.	100 =	No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  1 Indicators of hydric soil and wetland hydrology must
Leucanthemum vulgare     Solidago canadensis     Sporobolus vaginiflorus     10.  Woody Vine Stratum (Plot size:	100 =	No No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Leucanthemum vulgare     Solidago canadensis     Sporobolus vaginifiorus     .      Woody Vine Stratum     (Plot size:	100 =	No No	FACU	3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic
Leucanthemum vulgare     Solidago canadensis     Sporobolus vaginiflorus     10.  Woody Vine Stratum (Plot size:	100 =	No No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Profile Des	cription: (Describe	to the dep	oth needed to doc	ument t	he indica	ator or o	confirm the absence	of indicato	rs.)	
Depth	Matrix		Redo	x Featu	res					
inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Texture		Remarks	
0-3	10YR 3/1	100					Loamy/Clayey			
3-9	10YR 4/3	94	10YR 5/6	1	С	М	Loamy/Clayey	Distin	ct redox concer	ntrations
			10YR 4/1	5		М			ixed layer with r	ncks
9-16	40VD 4/4	100	1011(4)1				L company/Classess	-	ixed layer with r	OUNS
5-10	10YR 4/1	100	<u> </u>	. —	-	-	Loamy/Clayey			
	-			-		-	*	<del>-</del>		
	<del>}</del>		3			-	1	-		
	-		9			-	2			
	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains			Lining, M=Matri	
5-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	Indicators:		0						ematic Hydric	Solis":
—Histosol			Sandy Gle	S management				st Prairie Re		
	pipedon (A2)		Sandy Re				<del></del>		Masses (F12)	
— Black Hi			Stripped N					d Parent Mate		11
	n Sulfide (A4)		Dark Surf						rk Surface (F22	2)
	d Layers (A5)		Loamy Mu				— Oth	er (Explain in	( Nemarks)	
- Committee and advance	ick (A10)	(A14)	— Loamy Gl							
	d Below Dark Surface ark Surface (A12)	(A11)	Redox Da	TO 100000 IN	40.000.00		3 Indicat	are of hydron	hytic vegetation	and
_	flucky Mineral (S1)		Depleted		0 5	v		5 %	gy must be pres	
	icky Peat or Peat (S3	0	Redox De			,:		10.50	or problematic.	
				prossion	15 (1 0)		dill	oo distarbod	or problematic	50
Type:	Layer (if observed):									
Type.										
	are not present. Doe	s not meet	t hydric soils criteria	a.			Hydric Soil Prese	nt?	Yes	No_
Remarks:	A-400-0-41 (1970-0-55)	s not meet	hydric soils criteria	а.			Hydric Soil Prese	nt?	Yes	No_
Remarks: Hydric soils	are not present. Doe	s not meet	hydric soils criteria	a.			Hydric Soil Prese	nt?	Yes	No_
Remarks: Hydric soils IYDROLO Wetland Hy	are not present. Doe						•			
Remarks: Hydric soils IYDROLO Wetland Hy Primary Indi	are not present. Doe  OGY  drology Indicators: cators (minimum of c		ired; check all that	apply)	(0.00)		Second	ary Indicators	s (minimum of t	
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface	or not present. Doe  OGY  drology Indicators: cators (minimum of c		ired: check all that Water-Sta	apply) ained Lea			Second	ary Indicators face Soil Cra	s (minimum of t	
Remarks: Hydric soils  IYDROLO  Wetland Hy Primary Indi  Surface High Wa	or not present. Doe  OGY  drology Indicators: cators (minimum of c Water (A1) tter Table (A2)		i <u>red; check all that</u> Water-Sta Aquatic Fi	apply) ained Lea auna (B1	13)		Second Sur	ary Indicators face Soil Cra inage Patterr	s (minimum of the cks (B6) as (B10)	
Remarks: Hydric soils  HYDROLO  Wetland Hy Primary India Surface High Wa Saturatio	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3)		ired: check all that Water-Sta Aquatic Fi True Aqua	apply) ained Lea auna (B1 atic Plani	l3) ts (B14)		Second Sur	<u>arv Indicators</u> face Soil Cra inage Patterr -Season Wal	s (minimum of the cks (B6) as (B10) er Table (C2)	
Remarks: Hydric soils  IYDROLO Wetland Hy Primary India Surface High Wa Saturatio Water M	are not present. Doe  OGY  drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1)		ired: check all thatWater-Sta Aquatic Fi True Aqua Hydrogen	apply) ained Lea auna (B1 atic Plan Sulfide	I3) ts (B14) Odor (C1	)	Second Sur Dre Dry Cre	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow:	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8)	wo requ
Nemarks: Hydric soils  IYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer	are not present. Doe  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2)		ired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph	l3) ts (B14) Odor (C1 neres on l	) Living R		ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow: uration Visibl	s (minimum of the cks (B6) as (B10) cer Table (C2) s (C8) e on Aerial Ima	wo requ
IYDROLO Wetland Hy Primary Indi Surface High Wa Saturatic Water M Sedimer Drift Dep	are not present. Doe  OGY  drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) at 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	l3) ts (B14) Odor (C1 neres on l ced Iron (	) Living R (C4)	Second	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrows uration Visibl nted or Stres	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1)	wo requ
IYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma	are not present. Doe  OGY  drology Indicators: cators (minimum of o Water (A1) tter 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 I  Presence  Recent Iro	apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph of Redu on Reduc	ts (B14) Odor (C1 neres on l ced Iron o	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wat yfish Burrows uration Visibl nted or Stres omorphic Pos	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo reau
Netland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma	are not present. Doe  OGY  drology Indicators: cators (minimum of of water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5)	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	ts (B14) Odor (C1 neres on loced Iron (ction in Ties (C7)	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrows uration Visibl nted or Stres	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo reau
YDROLC Wetland Hy Primary Indi Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep	are not present. Doe  OGY  drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4)	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	ts (B14) Odor (C1 neres on loced Iron (ction in Tie (C7) ta (D9)	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wat yfish Burrows uration Visibl nted or Stres omorphic Pos	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo reau
Netland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely	are not present. Doe  OGY  drology Indicators: cators (minimum of o Water (A1) Iter Table (A2) In (A3) Iarks (B1) In Deposits (B2) In Ocisits (B3) In or Crust (B4) In Ocisits (B5) In Ocisits	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	ts (B14) Odor (C1 neres on loced Iron (ction in Tie (C7) ta (D9)	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wat yfish Burrows uration Visibl nted or Stres omorphic Pos	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo requ
IYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely	are not present. Doe  OGY  drology Indicators: cators (minimum of of Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (B1) Int Deposits (B2) Inter Table (B2) Inter Tabl	one is requ magery (B Surface (	ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  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	ts (B14) Odor (C1 neres on led from (ction in Tie (C7) ta (D9) Remarks)	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wat yfish Burrows uration Visibl nted or Stres omorphic Pos	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo requ
Nemarks: Hydric soils  IYDROLO  Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Inundatic Sparsely  Field Obser Surface Wat	are not present. Doe  OGY  drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) rosits (B5) on Visible on Aerial II y Vegetated Concave vations: 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	ts (B14) Odor (C1 neres on loced Iron (ction in Tie (C7) ta (D9)	) Living R (C4)	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wat yfish Burrows uration Visibl nted or Stres omorphic Pos	s (minimum of the cks (B6) as (B10) ter Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2)	wo requ
Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely	are not present. Doe  OGY  drology Indicators: cators (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 Redu or Surface Well Da plain in f	ts (B14) Odor (C1 heres on lead from (ction in Tiele (C7) ta (D9) Remarks) inches):	) Living R (C4) Iled Soil	Second   Sur   Dra   Dra   Cra   Cra   Sur   Cra   Sur   Cra   Stu   Stu   Stu   Stu   Ge	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow: uration Visibl omorphic Pos C-Neutral Tes	c (minimum of the cks (B6) as (B10) are Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2) st (D5)	gery (C
Hydric soils  Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indic Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  Field Obser Surface Water Table Saturation P	are not present. Doe  OGY  drology Indicators: cators (minimum of	magery (B Surface (	ired; check all that  — Water-Sta — Aquatic Fi — True Aqua — Hydrogen — Oxidized I — Presence — Recent Ird — Thin Muck  7) — Gauge or  B8) — Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Redu or Surface Well Da plain in f	ts (B14) Odor (C1 heres on loced Iron (ction in Tie (C7) ta (D9) Remarks)	) Living R (C4) Iled Soil	Second Sur Dra Dra Cra Cra Soots (C3) Sat Stu S (C6) FA	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow: uration Visibl omorphic Pos C-Neutral Tes	c (minimum of the cks (B6) as (B10) are Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2) st (D5)	gery (C
Remarks: Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparasely Field Obser Surface Wat Water Table Saturation P	are not present. Doe  OGY  drology Indicators: cators (minimum of	magery (B Surface ( s s	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent 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 Redu or Surface Well Da plain in F Depth ( Depth (	ts (B14) Odor (C1 heres on lead from the (C7) ta (D9) Remarks) inches): inches):	) Living R (C4) Iled Soil	Second Sur Dra Dry Cra oots (C3) Sat Stu s (C6) FA	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow: uration Visibl omorphic Pos C-Neutral Tes	c (minimum of the cks (B6) as (B10) are Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2) st (D5)	gery (C
Remarks: Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparasely Field Obser Surface Wat Water Table Saturation P	are not present. Doe  OGY  drology Indicators: cators (minimum of c Water (A1) ther Table (A2) on (A3) larks (B1) the Deposits (B2) posits (B3) to Crust (B4) posits (B5) on Visible on Aerial In Vegetated Concave vations: ther Present? Ye Present? Ye present? Ye present? Ye present? Ye present? Ye	magery (B Surface ( s s	ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent 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 Redu or Surface Well Da plain in F Depth ( Depth (	ts (B14) Odor (C1 heres on lead from the (C7) ta (D9) Remarks) inches): inches):	) Living R (C4) Iled Soil	Second Sur Dra Dry Cra oots (C3) Sat Stu s (C6) FA	ary Indicators face Soil Cra inage Patterr -Season Wal yfish Burrow: uration Visibl omorphic Pos C-Neutral Tes	c (minimum of the cks (B6) as (B10) are Table (C2) s (C8) e on Aerial Ima sed Plants (D1) sition (D2) st (D5)	wo reau

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APPENDIX L L-183 NOVEMBER 2022

U.S. Army Corps of E WETLAND DETERMINATION DATA S See ERDC/EL TR-07-24; the proponer	SHEET - I	Midwest R	17.5	Requirement Control Symbol EXEMPT (Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD	9	City/Cour	ity. Chicago/	reading and the second
Applicant/Owner: City of Chicago	Umak Tana	O-di-		State: IL Sampling Point: NE19-105 WE
Investigator(s): Brauna Hartzell, Kim Shannon, Mead &	Hunt, Inc.			
Landform (hillside, terrace, etc.): shallow basin				oncave, convex, none): concave
Slope (%): <1% Lat: 41.98603405	32 25050 NO 1			Datum: WGS84
Soil Map Unit Name: 805A - Orthents, clayey, nearly lev				
Are climatic / hydrologic conditions on the site typical fo			Yes	to the state of th
Are Vegetation, SoilX_, or Hydrologys				
Are Vegetation, Soil, or Hydrologyn	aturally prob	blematic? (I	f needed, exp	lain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showir	ng samplin	g point loc	cations, transects, important features, etc.
	<u> </u>	Actor Actorists	Sampled Are a Wetland?	
Remarks: Climatic/hydrologic conditions are not typical due to an stockpiling/dumping.	above aver	rage amount o	of rainfall durin	ng September 2019. Soils disturbed due to
<b>VEGETATION</b> – Use scientific names of plan	nts.			
Tree Stratum (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1.	70 COVE	Species:		Number of Dominant Species That
2.				Are OBL, FACW, or FAC: 1 (A)
3.				Total Number of Dominant Species
4				Across All Strata: 2 (B)
5				Percent of Dominant Species That
Sopling/Shrub Stratum (Diet size:		=Total Cover		Are OBL, FACW, or FAC: 50.0% (A/B)
Sapling/Shrub Stratum (Plot size:)  1.			-	Prevalence Index worksheet:
2.	-			Total % Cover of: Multiply by:
3.				OBL species 6 x 1 = 6
4.				FACW species 46 x 2 = 92
5				FAC species4 x 3 =12
		=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5ft )		2.5		UPL species 29 x 5 = 145
1. Phragmites australis	33	Yes	FACW_	Column Totals: 85 (A) 255 (B)
Dipsacus laciniatus     Solidago sempervirens	25 10	Yes No	UPL FACW	Prevalence Index = B/A = 3.00
4. Lythrum salicaria	6	No No	OBL	Hydrophytic Vegetation Indicators:
5. Eupatorium serotinum	4	No	FAC	1 - Rapid Test for Hydrophytic Vegetation
6. Leucanthemum vulgare	4	No	UPL	2 - Dominance Test is >50%
7. Juncus torreyi	3	No	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
8.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9				data in Remarks or on a separate sheet)
10			I	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	85 =	=Total Cover		<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

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

Community Type: wet meadow HGM Type: depressional; Hydrophytic vegetation is present. 15% bare ground.

rofile Desc										
	ription: (Describe	to the dep	th needed to do	cument t	he indic	ator or	confirm the ab	sence of ir	ndicators.)	
epth	Matrix		Red	ox Featur	es					
nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u> </u>	Remarks	
0-4	10YR 3/2	98	5YR 4/6	2	С	PL	Loamy/Cla	yey	Prominent redox con	centration
4-8	10YR 4/1	55	7.5YR 4/6	5	С	М			Prominent redox con	centration
	10YR 3/2	20					Loamy/Cla	yev —		
	5YR 2.5/1	20				_	Loamy/Cla		clay loam	i
8-16	10YR 4/1	100		-			Loamy/Cla		clay loam	
0-10	1011(4)1			-			Loamy/Cla	<del>ycy</del> _	ciay loan	
	-						-			
			Dodgood Market				2,			Mat Con
	oncentration, D=Depl	letion, RIVI	=Reduced Matrix,	MS=Mas	ked San	d Grains			_=Pore Lining, M=Ma r Problematic Hydri	
lydric Soil I Histosol (			Sandy C	leyed Mat	riv (CA)		ın		ir Problematic Hydri airie Redox (A16)	c Solls :
10000 NG 100	ipedon (A2)			edox (S5)			_	- 100 MARKET	ganese Masses (F12	Y.
Black His	100		<del></del>	Matrix (S			-	_	ent Material (F21)	,
100000000000000000000000000000000000000	n Sulfide (A4)			face (S7)			_		llow Dark Surface (F.	22)
_	Layers (A5)			lucky Min			_		plain in Remarks)	22)
2 cm Mu				leyed Ma			_	_ 011101 (L)	tpidiii iii rteiridiks)	
The second second	Below Dark Surface	(Δ11)	— Depleted							
	rk Surface (A12)	, (, (, , ,	X Redox Da				3 Ir	dicators of	hydrophytic vegetation	on and
_	ucky Mineral (S1)			Dark Sur	9 5	)	2.0		ydrology must be pro	
	cky Peat or Peat (S3	3)	X Redox D		12 1	,			sturbed or problemat	- 21
202	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil F	resent?	Yes X	No
xidized rhiz	ospheres at 0-4 inch (F6) and Redox De				gravel at	4-8 inch	Distriction in the control of		sent. Hydric soils inc	182/2
oxidized rhiz eark Surface	(F6) and Redox De				gravel at	4-8 inch	Distriction in the control of		2002-091	182/2
oxidized rhiz Park Surface	(F6) and Redox De				gravel at	4-8 inch	Distriction in the control of		2002-091	18270
oxidized rhiz park Surface	(F6) and Redox De	pressions			gravel at	4-8 inch	Distriction in the control of		2002-091	18270
oxidized rhiz park Surface YDROLO Vetland Hyd	(F6) and Redox De	pressions	(F8) are satisfied.		gravel at	4-8 inch	layer. Hydric s	oils are pre	2002-091	licators R
Oxidized rhiz  Oark Surface  YDROLO  Vetland Hydrimary Indic  Surface \	GY drology Indicators: ators (minimum of o	pressions	(F8) are satisfied.  ired: check all tha  X Water-St	t apply) ained Lea	aves (B9		layer. Hydric s	oils are pre econdary In Surface S	sent. Hydric soils inc	licators R
Oxidized rhiz Oark Surface  YDROLO  Vetland Hyd Orimary Indic  Surface \ High Wat	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2)	pressions	(F8) are satisfied.  ired; check all tha  X Water-St Aquatic F	t apply) ained Lea Fauna (B1	aves (B9		layer. Hydric s	oils are pre- econdary In Surface S Drainage	dicators (minimum of Soil Cracks (B6) Patterns (B10)	licators R
YDROLO Vetland Hydrimary Indic Surface \ High Wat Saturatio	GY drology Indicators: ators (minimum of o Nater (A1) ter Table (A2) in (A3)	pressions	(F8) are satisfied.  ried; check all tha  X Water-St  Aquatic F  True Aqu	<u>t apply)</u> ained Lea Fauna (B1 atic Plant	aves (B9 3) s (B14)	)	layer. Hydric s	econdary In Surface S Drainage Dry-Seas	dicators (minimum of Soil Cracks (B6) Patterns (B10) ion Water Table (C2)	licators R
YDROLO Vetland Hydrimary Indic Surface \ High Wat Saturatio Water Ma	GY drology Indicators: ators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1)	pressions	(F8) are satisfied.  ired: check all tha  X Water-St  Aquatic F  True Aqu  Hydroger	t apply) ained Lea Fauna (B1 atic Plant	aves (B9 3) ss (B14) Odor (C1	)	layer. Hydric s	econdary In Surface S Drainage Dry-Seas	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8)	licators R
YDROLO Vetland Hydrimary Indic Surface \( \) High Wat Saturatio Water Ma Sedimeni	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2)	pressions	(F8) are satisfied.  ired: check all tha  X Water-St  Aquatic F  True Aqu  Hydroger  X Oxidized	t apply) ained Lea Fauna (B1 atic Plant n Sulfide ( Rhizosph	aves (B9 3) is (B14) Odor (C1 eres on	) ) Living R	layer. Hydric s	econdary In Surface 5 Drainage Dry-Seas C Crayfish Saturatio	dicators (minimum or Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Im	f two requ
YDROLO Vetland Hydrimary Indic Surface \ High Wat Saturatio Water Ma Sediment Drift Depo	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3)	pressions	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence	t apply) ained Lea Fauna (B1 iatic Plant n Sulfide Rhizosph	aves (B9 3) ss (B14) Odor (C1 aeres on ced Iron	) Living R (C4)	layer. Hydric s	econdary In Surface S Drainage Dry-Seas C Crayfish Saturatio Stunted of	dicators (minimum or Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D	f two requ
YDROLO Vetland Hyd Surface \ High Wat Saturatio Water Ma Sediment Drift Depo	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	pressions	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir	t apply) ained Lea Fauna (B1 atic Plant n Sulfide ( Rhizosphe of Redu on Reduc	aves (B9 3) ss (B14) Odor (C1 ares on ced Iron ction in T	) Living R (C4)	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D4) whic Position (D2)	f two requ
YDROLO  YDROLO  Yetland Hydrimary Indio Surface  High Wal Saturatio Water Me Sedimen Drift Depo Algal Mat	GY drology Indicators: eators (minimum of o Nater (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	pressions	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir	t apply) ained Lea Fauna (B1 atic Plant n Sulfide ( Rhizosphe of Redur on Reduck Surface	aves (B9) 3) cs (B14) Odor (C1) eres on ced Iron ottion in T	) Living R (C4)	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum or Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D	f two requ
xidized rhiz ark Surface  YDROLO  Yetland Hyc rimary Indic Surface \(\) High Waf Saturatio Water Me Sedimeni Drift Dep Algal Maf Iron Depo Inundatio	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In	pressions  one is requi	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc T) Gauge or	t apply) ained Lea Fauna (B1 iatic Planti n Sulfide e Rhizosph e of Redui on Reduc	aves (B9) 3) cs (B14) Odor (C1 eres on ced Iron ction in T e (C7) ta (D9)	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D4) whic Position (D2)	f two requ
YDROLO  YDROLO  YDROLO  YORATA  YORATA	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial Ir Vegetated Concave	pressions  one is requi	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc T) Gauge of	t apply) ained Lea Fauna (B1 iatic Planti n Sulfide e Rhizosph e of Redui on Reduc	aves (B9) 3) cs (B14) Odor (C1 eres on ced Iron ction in T e (C7) ta (D9)	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D4) whic Position (D2)	f two requ
YDROLO Vetland Hydrimary Indic Surface \( \) High Wat Saturatio Water Ma Sedimen: Drift Depo Algal Mat Iron Depo Inundatic Sparsely ield Observ	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:	magery (B:	ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (Ex	t apply) ained Lea Fauna (B1 iatic Plantin Sulfide e Rhizosphe of Reductor Reductor Reductor Reductor Reductor Well Data	aves (B9) 3) is (B14) Odor (C1) deres on ced Iron ction in T e (C7) ta (D9) Remarks	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D4) whic Position (D2)	f two requ
YDROLO Vetland Hyd Surface \( \) High Wat Saturatio Water Ma Sedimen: Drift Depo Algal Mat Iron Depo Inundatio Sparsely Seld Observ Surface Wate	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye	magery (B: Surface (I	ired; check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (E)	t apply) ained Lea Fauna (B1 iatic Plantin Sulfide of Reductor Reductor Reductor Well Data plantin in F	aves (B9) 3) is (B14) Odor (C1) deres on ced Iron cition in T e (C7) ta (D9) Remarks;	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface ( Drainage Dry-Seas ( Crayfish Saturatio Stunted ( Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) son Water Table (C2) Burrows (C8) n Visible on Aerial Impor Stressed Plants (D4) whic Position (D2)	f two requ
YDROLO Vetland Hydriany Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Depi Algal Mat Iron Depa Inundatio Sparsely Surface Water Vater Table	GY  drology Indicators: eators (minimum of o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Ye Present? Ye	magery (B: Surface (I	ired; check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (E)	t apply) ained Leafauna (B1 iatic Plant n Sulfide ( Rhizosphe on Reduce on Reduce k Surface r Well Dat kplain in F	aves (B9 3) is (B14) Odor (C1 eres on ced Iron ottion in Te (C7) ta (D9) Remarks; nches):	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface S Drainage Dry-Seas C Crayfish Saturatio Stunted G Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) ion Water Table (C2) Burrows (C8) In Visible on Aerial Im or Stressed Plants (D4) ihic Position (D2) tral Test (D5)	f two required (CS
YDROLO Vetland Hyc Primary Indic Surface N High Wat Saturatio Water Ma Sedimen' Drift Depo Algal Mat Iron Depo Inundatio Sparsely Surface Water Vater Table Saturation Pr	GY  drology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye	magery (B: Surface (I	ired; check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (E)	t apply) ained Leafauna (B1 iatic Plant n Sulfide ( Rhizosphe on Reduce on Reduce k Surface r Well Dat kplain in F	aves (B9) 3) is (B14) Odor (C1) deres on ced Iron cition in T e (C7) ta (D9) Remarks;	) Living R (C4) illed Soi	layer. Hydric s	econdary In Surface S Drainage Dry-Seas C Crayfish Saturatio Stunted G Geomorp	dicators (minimum of Soil Cracks (B6) Patterns (B10) ion Water Table (C2) Burrows (C8) In Visible on Aerial Im or Stressed Plants (D4) ihic Position (D2) tral Test (D5)	f two requinagery (C:
YDROLO Vetland Hyc Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Depi Inundatic Sparsely ield Observ Surface Water Vater Table Saturation Princludes cap	GY  drology Indicators: cators (minimum of or Nater (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye resent? Ye resent? Ye resent? Ye resent?	magery (B' Surface (I	(F8) are satisfied.  Ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presencer Recent Ir Thin Mu Gauge of Other (E)  No X No X No X	t apply) ained Lea Fauna (B1 latic Plant n Sulfide ( Rhizosphe of Reductorn	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 Soi	Iayer. Hydric s	econdary In Surface S Drainage Dry-Seas Crayfish Saturatio Stunted G Geomorp FAC-Neu	dicators (minimum of Soil Cracks (B6) Patterns (B10) ion Water Table (C2) Burrows (C8) In Visible on Aerial Im or Stressed Plants (D4) ihic Position (D2) tral Test (D5)	f two required (CS
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YDROLO Vetland Hyc Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Depi Inundatic Sparsely ield Observ Surface Water Vater Table Saturation Princludes cap	GY  drology Indicators: cators (minimum of or Nater (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations: er Present? Present? Ye resent? Ye resent? Ye resent? Ye resent? Ye resent?	magery (B' Surface (I	(F8) are satisfied.  Ired: check all tha  X Water-St Aquatic F True Aqu Hydroger X Oxidized Presencer Recent Ir Thin Mu Gauge of Other (E)  No X No X No X	t apply) ained Lea Fauna (B1 latic Plant n Sulfide ( Rhizosphe of Reductorn	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 Soi	Iayer. Hydric s	econdary In Surface S Drainage Dry-Seas Crayfish Saturatio Stunted G Geomorp FAC-Neu	dicators (minimum of Soil Cracks (B6) Patterns (B10) ion Water Table (C2) Burrows (C8) In Visible on Aerial Im or Stressed Plants (D4) ihic Position (D2) tral Test (D5)	f two required (CS

See ERDC/EL TR 07-24; the proponent agency is CECW-CO-R	U.S. Army Corps of WETLAND DETERMINATION DATA			Region	Requirer	nent Control S EXEMPT	Symbol	
Applicant/Owner				175	(Authority: Al	R 335-15, para	graph :	5-2a)
Applicant/Owner			7-1107-000	AND DESCRIPTION OF THE PERSON				
Investigator(s)   Evauna Hartzell, Kim Shannon, Mead & Hunt, Inc.   Section, Township, Range:   Section 4, T40N, R12E	AN UPSE EXAMPLE ASSOCIATE	RD)	City/Co	unty: Chicago				
Local relief (concave, convex, none);   Convex	Applicant/Owner: City of Chicago				State: IL	Sampling Poil	nt: <u>NE19</u>	-109 UPL
Slope (%):	Investigator(s): Brauna Hartzell, Kim Shannon, Mead	& Hunt, Inc.	Section,	Township, Ran	ige: Section 4, T401	N, R12E		
Soil Map Unit Name 805A - Orthents, clayey, nearly level (Predominantly Non-hydro (6%))  Are dimatic / hydrologic conditions on the site byteal for this time of year?	Landform (hillside, terrace, etc.): midslope			Local relief (co	oncave, convex, none	e): convex		
Soil Map Unit Name 805A - Orthents, clayey, nearly level (Predominantly Non-hydro (6%)) NWI classification:  Are climatic / hydrologic conditions on the site bytical for this time of year?	Slope (%): 2-3 Lat: 41.98661737		Long:	-87.87505141		Datum: WGS84	Į.	
Are climatic / hydrologic conditions on the site typical for this time of year?   Yes	Soil Map Unit Name: 805A - Orthents, clayey, nearly	level (Predom	inantly Non-	hydric (6%))	NWI clas	sification:		
Are Vegetation	· · · · · · · · · · · · · · · · · · ·						: 1	
Are Vegetation	O IN A MANAGEMENTA COME MANAGEMENT INCOMPRINTADISME MARCHANIA MANAGEMENT MANA		100 = 100 mm (100 mm)					
Summary OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.							NO	
Hydrophytic Vegetation Present?   Yes	Are Vegetation, Soil, or Hydrology	_naturally prob	olematic?	(If needed, exp	olain any answers in F	Remarks.)		
Hydric Soil Present?   Yes   No   X	SUMMARY OF FINDINGS – Attach site n	nap showir	ng sampli	ng point lo	cations, transec	ts, important 1	eatures	s, etc.
Hydric Soil Present?   Yes   No   X	Hydrophytic Vegetation Present? Yes	۷o X	ls th	e Sampled Are	ea			
Wetland Hydrology Present? Yes   X   No				-		No X		
Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019.    VEGETATION - Use scientific names of plants.					operator,			
Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019.    VEGETATION - Use scientific names of plants.	Remarks:							
Tree Stratum	TRANSPORT TO THE REPORT OF THE PARTY OF THE	an above aver	age amount	of rainfall durin	ng September 2019.			
Tree Stratum								
Tree Stratum	VEGETATION – Use scientific names of pl	ants.						
Tree Stratum			Dominant	Indicator				
Are OBL, FACW, or FAC:	Tree Stratum (Plot size:)		Species?		Dominance Test w	vorksheet:		
Total Number of Dominant Species   Across All Strata:   2 (B)	VC-00				Number of Dominar	nt Species That		
Across All Strata:   2 (B)   Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FACW or FACW or FACW of DoBL or FACW of Dominant Species That Are OBL, FACW or FACW of Dominant Species That Are OBL, FACW or FACW of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW					Are OBL, FACW, o	r FAC:	0	(A)
Across All Strata:   2 (B)   Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW, or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FAC:   0.0% (AB Percent of Dominant Species That Are OBL, FACW or FACW or FACW or FACW of DoBL or FACW of Dominant Species That Are OBL, FACW or FACW of Dominant Species That Are OBL, FACW or FACW of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW of DoBL of Dominant Species That Are OBL, FACW	3					minant Species		
Sapling/Shrub Stratum   (Plot size:     )	4				Across All Strata:	_	2	_(B)
Sapling/Shrub Stratum   (Plot size:	5	. —						
1.       Prevalence Index worksheet:         2.       3.       3.       4.       5.       5.       6.       5.       5.       5.       5.       5.       5.       5.       5.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.       7.			=Total Cover	r	Are OBL, FACW, o	r FAC:	0.0%	<b>-</b> (A/B)
Total % Cover of: Multiply by:		_)		-	Breeze of the steep of the pressure	to record Britan Britan Av		
3.       4.	1.						(who have	
4.       FACW species       13       x 2 = 26         FAC species       0       x 3 = 0         FAC species       0       x 3 = 0         FAC species       27       x 4 = 108         FAC species       27       x 4 = 108         UPL species       56       x 5 = 280         Column Totals:       98       (A)       416       (B)         Prevalence Index = B/A = 4.24       4.24         Significations       10       No       FACU       Hydrophytic Vegetation Indicators:         1 - Rapid Test for Hydrophytic Vegetation       1 - Rapid Test for Hydrophytic Vegetation       2 - Dominance Test is >50%         2 - Dominance Test is >50%       3 - Prevalence Index is ≤3.0¹       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         3 - Fragaria virginiana       3 No FACU       Problematic Hydrophytic Vegetation 1 (Explain)         10 - Lythrum salicaria       2 No OBL       Problematic Hydrophytic Vegetation 1 (Explain)         1 - Rapid Test for Hydrophytic Vegetation 1 (Explain)       Probl	2	· —						-
FAC species   O   x 3 =   O   FACU	3	4 i <del></del>						-
Herb Stratum	-				PAGE 1873		10.0	-
Herb Stratum	5.	. —	-Total Cava		(4)		_	-
1. Sporobolus vaginiflorus         30         Yes         UPL Dipsacus laciniatus         Column Totals: 98 (A) 416 (B)         416 (B)           2. Dipsacus laciniatus         20         Yes         UPL Prevalence Index = B/A = 4.24         4.24           3. Solidago altissima         10         No         FACU         Hydrophytic Vegetation Indicators:           5. Phragmites australis         7         No         FACW         1 - Rapid Test for Hydrophytic Vegetation           6. Symphyotrichum ericoides         6         No         FACU         2 - Dominance Test is >50%           7. Eupatorium altissimum         5         No         UPL         3 - Prevalence Index is ≤3.0¹           8. Fraxinus pennsylvanica         5         No         FACW         4 - Morphological Adaptations¹ (Provide supportire data in Remarks or on a separate sheet)           9. Fragaria virginiana         3         No         FACU         Problematic Hydrophytic Vegetation¹ (Explain)           10. Lythrum salicaria         2         No         OBL         Problematic Hydrophytic Vegetation or problematic.           Woody Vine Stratum         (Plot size: )         1         Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.           1. Let the control of the control	Herb Stretum (Diot size: 5ff )		- Total Covel	•			A	
2. Dipsacus laciniatus 20 Yes UPL Prevalence Index = B/A = 4.24  3. Solidago altissima 10 No FACU 4. Solidago rigida 7 No FACU 5. Phragmites australis 7 No FACU 6. Symphyotrichum ericoides 6 No FACU 7. Eupatorium altissimum 5 No UPL 8. Fraxinus pennsylvanica 9. Fragaria virginiana 10 No FACU 1 - Rapid Test for Hydrophytic Vegetation 2 - No GPL		30	Yes	HPI				(B)
3. Solidago altissima       10       No       FACU       Hydrophytic Vegetation Indicators:         4. Solidago rigida       7       No       FACU       Hydrophytic Vegetation Indicators:         5. Phragmites australis       7       No       FACW       1 - Rapid Test for Hydrophytic Vegetation         6. Symphyotrichum ericoides       6       No       FACU       2 - Dominance Test is >50%         7. Eupatorium altissimum       5       No       UPL       3 - Prevalence Index is ≤3.0¹         8. Fraxinus pennsylvanica       5       No       FACW       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         9. Fragaria virginiana       3       No       FACU       Problematic Hydrophytic Vegetation¹ (Explain)         10. Lythrum salicaria       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         1		-			<del></del>			_('')
4. Solidago rigida       7       No       FACU       Hydrophytic Vegetation Indicators:         5. Phragmites australis       7       No       FACW       1 - Rapid Test for Hydrophytic Vegetation         6. Symphyotrichum ericoides       6       No       FACU       2 - Dominance Test is >50%         7. Eupatorium altissimum       5       No       UPL       3 - Prevalence Index is ≤3.0¹         8. Fraxinus pennsylvanica       5       No       FACW       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         9. Fragaria virginiana       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         10. Lythrum salicaria       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         1 - Rapid Test for Hydrophytic Vegetation       (Provide supporting data in Remarks or on a separate sheet)       - Total Cover       - Total Cover       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         1 - Lapid Test for Hydrophytic Vegetation       - Total Cover       - Total Cover       - Hydrophytic Vegetation         2 - Lapid Test for Hydrophytic Vegetation       - Total Cover       - Total Cover       - Total Cover       - Hydrophytic Vegetation			100		1 Tovaronoo mao.			-
5. Phragmites australis       7       No       FACW       1 - Rapid Test for Hydrophytic Vegetation         6. Symphyotrichum ericoides       6       No       FACU       2 - Dominance Test is >50%         7. Eupatorium altissimum       5       No       UPL       3 - Prevalence Index is ≤3.0¹         8. Fraxinus pennsylvanica       5       No       FACW       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         9. Fragaria virginiana       3       No       FACU       Problematic Hydrophytic Vegetation¹ (Explain)         10. Lythrum salicaria       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         1 - Moody Vine Stratum       (Plot size: )       1 - Total Cover       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         2 - Moody Vine Stratum       (Plot size: )       Total Cover       Hydrophytic Vegetation         2 - Moody Vine Stratum       (Plot size: )       Total Cover       Hydrophytic Vegetation         2 - Moody Vine Stratum       (Plot size: )       Total Cover       Problematic Hydrophytic Vegetation					Hydrophytic Veget	tation Indicators:		
6. Symphyotrichum ericoides 7. Eupatorium altissimum 5 No UPL 3 - Prevalence Index is ≤3.0¹ 8. Fraxinus pennsylvanica 5 No FACW 9. Fragaria virginiana 1 No FACU 10. Lythrum salicaria 2 No OBL 10. Lythrum salicaria 2 No OBL 2 - Dominance Test is >50% 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. Lythrum salicaria 2 No OBL 2 - Problematic Hydrophytic Vegetation¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1 Hydrophytic 2 Vegetation 1 Hydrophytic 2 Vegetation 2 Present? Yes No X	200	· · · · · · · · · · · · · · · · · · ·	ACCORD		75 FOR V 75 FOR			
7. Eupatorium altissimum       5       No       UPL       3 - Prevalence Index is ≤3.0¹         8. Fraxinus pennsylvanica       5       No       FACW       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)         9. Fragaria virginiana       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         10. Lythrum salicaria       2       No       OBL       Problematic Hydrophytic Vegetation¹ (Explain)         ½       1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       Hydrophytic         2.       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)       Problematic Hydrophytic Vegetation¹ (Explain)         1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       Hydrophytic         2.       Total Cover       Vegetation         Present?       Yes       No	·————					136 1/ 2		
9. Fragaria virginiana 3. No FACU 10. Lythrum salicaria 2. No OBL Problematic Hydrophytic Vegetation¹ (Explain) 98. =Total Cover Woody Vine Stratum (Plot size: 1.		5	No	UPL	3 - Prevalence	Index is ≤3.01		
10. Lythrum salicaria  2 No OBL Problematic Hydrophytic Vegetation (Explain)  98 =Total Cover  Woody Vine Stratum (Plot size: )  1.	8. Fraxinus pennsylvanica	5	No	FACW	4 - Morphologic	al Adaptations <sup>1</sup> (F	rovide su	pporting
Moody Vine Stratum   (Plot size: )   98		3	No	FACU	data in Rema	arks or on a separ	ate sheet)	)
Woody Vine Stratum (Plot size: ) be present, unless disturbed or problematic.  1	10. Lythrum salicaria	2	No	OBL	Problematic Hy	drophytic Vegetati	ion <sup>1</sup> (Expl	ain)
Woody Vine Stratum         (Plot size:		98	=Total Cove		Indicators of hydric	soil and wetland	hydrology	must
2	Woody Vine Stratum (Plot size:	)						
2	1.				Hydrophytic			
<u></u>	2.							
Describes (helists where worders have a consider these)			=Total Cover	r	Present? Ye	sNo_	X	
Remarks: (Include photo numbers here or on a separate sheet.)  Community Type: developed land HGM Type: Hydrophytic vegetation is not present.	Remarks: (Include photo numbers here or on a sep	The state of the s	tio vecator:	n is not press-	+			

VEGETATION Continued — Use scientific	Absolute	Dominant	Indicator	Sampling Point: NE19-109 UPL
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
6.				Tree – Woody plants 3 in. (7.6 cm) or more in diamete
7.				at breast height (DBH), regardless of height.
9.	-	<del></del>		Continue (Church - ) A (continue to local theory 2 in DDII
200002		· <del></del>		Sapling/Shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
10 11		-		Herb – All herbaceous (non-woody) plants, including
12.				herbaceous vines, regardless of size, and woody plants
13.				less than 3.28 ft tall.
		=Total Cover		Woody Vine - All woody vines greater than 3.28 ft in
Sapling/Shrub Stratum				height.
6.				
7.				
8		. ——		
9.		<del></del>		
10.				
11. 12.				
13.				
		=Total Cover		
Herb Stratum				
11. Leucanthemum vulgare	1	No	UPL	
12. Solidago canadensis	1	No	FACU	
13. Juncus torreyi	1	No	FACW	
14				
15				
16.				
17.			-	
18.		· —		
19	-	-		
21 22		. ——		
	98	=Total Cover		
Woody Vine Stratum				
3.				
4.				
5.,				
6.	-			
7				
		=Total Cover		
Remarks: (Include photo numbers here or on a sep-	arate sheet.)	ĺ		

	cription. (Describe	to the dep	oth needed to doc			ator or o	confirm the	absence o	Tindicators	5.)	
Depth	Matrix		Redo	x Featur							
(inches)	Color (moist)	%	Color (moist)	_ %	Type	Loc <sup>2</sup>	Textu	ıre		Remarks	
0-6	10YR 3/1	100					Loamy/0	Clayey			
6-12	10YR 4/1	100					Loamy/0	Clayey			
12-18	10YR 4/2	95	10YR 5/6	5	С	М			Promine	nt redox conce	entration
				_							
Type: C=C	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains	i <del>l</del>	<sup>2</sup> Location:	PL=Pore Li	ining, M=Matri	х.
Hydric Soil	Indicators:							Indicators	for Proble	matic Hydric	Soils <sup>3</sup> :
Histoso	l (A1)		Sandy Gle	eyed Mat	rix (S4)			Coast	Prairie Red	ox (A16)	
Histic E	pipedon (A2)		Sandy Re	dox (S5)				Iron-M	langanese N	Masses (F12)	
Black H	istic (A3)		Stripped M	∕latrix (S	6)			Red P	arent Materi	ial (F21)	
200000 20000	en Sulfide (A4)		Dark Surfa	ace (S7)				Tonas cons		Surface (F22	2)
Stratifie	d Layers (A5)		Loamy Mu	icky Min	eral (F1)			Other	(Explain in F	Remarks)	
2 cm Mi	uck (A10)		Loamy Gl								
	d Below Dark Surface	e (A11)	Depleted					2			
_	ark Surface (A12)		Redox Da						8 8 8	ytic vegetation	
	Mucky Mineral (S1)		Depleted			)			100 1000	must be pres	
5 cm Mi	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)			unless	disturbed c	or problematic.	9
Restrictive	Layer (if observed):										
Type:											
Type.											
Depth (i Remarks:	are not present. Doe	s not mee	t hydric soils criteria	<b>a</b> .			Hydric So	il Present?	•	Yes	No_
Depth (i Remarks: Hydric soils	are not present. Doe	s not mee	t hydric soils criteria	a.			Hydric So	il Present?	,	Yes	No_
Depth (i Remarks: Hydric soils	are not present. Doe		t hydric soils criteria	а.			Hydric So	il Present?	,	Yes	No_
Depth (i Remarks: Hydric soils HYDROLO Wetland Hy	are not present. Doe						Hydric So			Yes	83300 <u>-</u>
Depth (i Remarks: Hydric soils IYDROLO Wetland Hy Primary Ind	are not present. Doe			apply)	aves (B9)		Hydric So	Secondary		(minimum of t	83300 <u>-</u>
Depth (i Remarks: Hydric soils  HYDROLO  Wetland Hy Primary Ind Surface X High Wa	are not present. Doe  OGY  vidrology Indicators: icators (minimum of c  Water (A1) ater Table (A2)		iired: check all that Water-Sta Aquatic Fi	apply) ined Lea auna (B1	3)		Hydric So	Secondary Surfac Draina	/ <u>Indicators (</u> e Soil Crack ge Patterns	(minimum of to ks (B6) 6 (B10)	83300 <u>-</u>
Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Ind Surface X High Wi X Saturati	are not present. Doe  OGY  vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		iired: check all that Water-Sta Aquatic Fi True Aqua	apply) nined Lea auna (B1	3) s (B14)		Hydric So	Secondary Surfac Draina Dry-Se	/ Indicators ( e Soil Crack ge Patterns eason Watel	(minimum of to ks (B6) s (B10) r Table (C2)	83300 <u>-</u>
Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Ind Surface X High Wi X Saturati Water M	are not present. Doe  OGY  vdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1)		uired: check all thatWater-Sta Aquatic Fi True Aqua Hydrogen	apply) iined Lea auna (B1 atic Plant Sulfide	3) s (B14) Odor (C1	)		Secondary Surfac Draina Dry-Se Crayfis	r Indicators ( ce Soil Crack age Patterns eason Water sh Burrows (	(minimum of to ks (B6) s (B10) r Table (C2) (C8)	wo requi
Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Ind Surface X High Watan Water M Sedime	are not present. Doe  OGY  vdrology Indicators: icators (minimum of c Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)		uired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I	apply) iined Lea auna (B1 atic Plani Sulfide i Rhizosph	3) is (B14) Odor (C1 ieres on	) Living R		Secondary Surfac Draina Dry-Se Crayfis	/ Indicators ( te Soil Crack age Patterns eason Water sh Burrows ( ation Visible	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Image	wo requi
Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Indi Surface X High W: X X Saturati Water N Sedime Drift De	are not present. Doe  OGY  vidrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)  Marks (B1) nt Deposits (B2) posits (B3)		uired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I	apply) nined Lea auna (B1 atic Plant Sulfide Rhizosph of Redu	3) is (B14) Odor (C1 ieres on ced Iron	) Living R (C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfie Satura Stunte	v Indicators ( the Soil Crack tige Patterns eason Water sh Burrows ( tition Visible and or Stresse	(minimum of the ks (B6) (B10) (B10) (C2) (C8) on Aerial Imaged Plants (D1)	wo requi
Depth (i Remarks: Hydric soils  IYDROLC  Wetland Hy Primary India Surface X High W. X Saturati Water M Sedime Drift De Algal M	are not present. Doe  OGY  Adrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		iired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro	apply) nined Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduon Reduon	3) cs (B14) Odor (C1 neres on ced Iron ction in T	) Living R (C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	/ Indicators ( be Soil Crack age Patterns eason Water sh Burrows ( ation Visible and or Stresse orphic Posit	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Imaged Plants (D1) ion (D2)	wo requ
Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Indi Surface X High W. X Saturati Water M Sedime Drift De Algal M. Iron De	are not present. Doe  OGY  Adrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Adarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck	apply)  ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduon Reduct Surface	3) cs (B14) Odor (C1 neres on ced Iron ction in T e (C7)	) Living R (C4)	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	v Indicators ( the Soil Crack tige Patterns eason Water sh Burrows ( tition Visible and or Stresse	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Imaged Plants (D1) ion (D2)	wo requ
Depth (i Remarks: Hydric soils  YDROLO Vetland Hy Primary Indi Surface X High W X Saturati Water M Sedime Drift De Algal M Iron De Inundati	are not present. Doe  OGY  Adrology Indicators: icators (minimum of	one is requ	uired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  17)  Gauge or	apply)  ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduon Reduct Surface Well Dat	3) is (B14) Odor (C1 neres on ced Iron ction in T e (C7) ta (D9)	) Living R (C4) illed Soil	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	/ Indicators ( be Soil Crack age Patterns eason Water sh Burrows ( ation Visible and or Stresse orphic Posit	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Imaged Plants (D1) ion (D2)	wo requ
Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Indi Surface X High WX X Saturati Water M Sedime Drift De Algal M Iron Dej Inundati Sparsel	are not present. Doe  OGY  Adrology Indicators: icators (minimum of	one is requ	uired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  17)  Gauge or	apply)  ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduon Reduct Surface Well Dat	3) is (B14) Odor (C1 neres on ced Iron ction in T e (C7) ta (D9)	) Living R (C4) illed Soil	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	/ Indicators ( be Soil Crack age Patterns eason Water sh Burrows ( ation Visible and or Stresse orphic Posit	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Imaged Plants (D1) ion (D2)	wo requ
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Depth (i Remarks: Hydric soils  IYDROLO Wetland Hy Primary Indi Surface X High W.X Saturati Water M Sedime Drift De Algal M Iron De; Inundati Sparsel Field Obses	are not present. Doe  OGY  Indrology Indicators: icators (minimum of	magery (Be Surface (	wired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Muck (7) Gauge or B8) No X	apply) iined Lea auna (B1 attic Plant Sulfide t Rhizosph of Reduc of Reduc t Surface Well Dat plain in F	3) Is (B14) Odor (C1 Interes on Ced Iron Stion in Tel (C7) Ita (D9) Remarks)	) Living R (C4) illed Soil	oots (C3)	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geom	/ Indicators ( be Soil Crack age Patterns eason Water sh Burrows ( ation Visible and or Stresse orphic Posit	(minimum of the ks (B6) s (B10) r Table (C2) (C8) on Aerial Imaged Plants (D1) ion (D2)	wo requi
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U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET - Mic				ent Control Symbol EXEMPT 335-15, paragraph	
Project/Site: Chicago O'Hare International Airport (OR Applicant/Owner: City of Chicago				State: IL	Sampling Point: NE1	3 <b>/2019</b> 9-109 WET
Investigator(s): Brauna Hartzell, Kim Shannon, Mead	¾ Hunt, Inc.	Section, Tov	vnship, Ran	ge: Section 4, T40N,	R12E	
Landform (hillside, terrace, etc.): basin		Loc	cal relief (co	oncave, convex, none):	concave	
Slope (%): <1% Lat: 41.98663866		Long: <u>-87</u>	.87499765		Datum: WGS84	
Soil Map Unit Name: 805A - Orthents, clayey, nearly I	evel (Predominar	ntly Non-hydr	ric (6%))	NWI classi	fication: PEM	
Are climatic / hydrologic conditions on the site typical	for this time of ye	ar? Ye	es	No X (If no, ex	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology_X	significantly distu					
Are Vegetation , Soil , or Hydrology						_
10CT 10 10 10 10 10 10 10 10 10 10 10 10 10						
SUMMARY OF FINDINGS – Attach site m	ap snowing s	sampling	point loc	ations, transects	, important reature	s, etc.
Hydric Soil Present? Yes X	lo lo lo	within a	ampled Are  Wetland?	Yes_X		mount o
rainfall during September 2019.	,			3.0		
VEGETATION – Use scientific names of pla	ants					
Tree Stratum         (Plot size:	% Cover Si 20 = To	anny and	ndicator Status FAC	Dominance Test wo Number of Dominant Are OBL, FACW, or I Total Number of Dom Across All Strata: Percent of Dominant Are OBL, FACW, or I	Species That	(A) (B) (A/B)
1.			-	Prevalence Index w	orksheet:	
2.				Total % Cover o		
3.					5 x 1 = 35	_
4.				FACW species 7	5 x 2 = 150	_
5.				FAC species 2	0 x 3 = 60	_
	=To	tal Cover		FACU species	x 4 =0	_
Herb Stratum (Plot size: 5ft )					x 5 = 0	_
Phragmites australis	70		FACW		30 (A) <u>245</u>	<b>—</b> (B)
2. Eleocharis palustris		No	OBL	Prevalence Index	= B/A = <u>1.88</u>	_
3. Lythrum salicaria	<u>10</u> _	No _	OBL	Hedronbedle Vende	dan Indiantana.	
4. Epilobium coloratum	2	No	OBL FACW	Hydrophytic Vegeta		
Fraxinus pennsylvanica     Juncus dudleyi			FACW	X 2 - Dominance T	Hydrophytic Vegetation	
7. Juncus torreyi	1 -		FACW	X 3 - Prevalence In	enance sections	
8.			17.00		Adaptations <sup>1</sup> (Provide su	upporting
9.	-				ks or on a separate sheet	
10.				Problematic Hydr	ophytic Vegetation <sup>1</sup> (Exp	lain)
Woody Vine Stratum (Plot size:	110 =To	tal Cover			oil and wetland hydrology sturbed or problematic.	/ must
1			<u> </u>	Hydrophytic Vegetation		

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

Community Type: wet meadow HGM Type: depressional

Midwest - Version 2.0

No

=Total Cover

Present?

Hydrophytic vegetation is present.

Depth	cription: (Describe Matrix	.o me uel	Control of the Contro			ator or t	Joinnin nie ausen	ce or muicali	01 3.1	
(inches)	Color (moist)	%	900 W 700 N 3007	x Featur %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
	NAMES OF AGES AND ASSOCIATION OF AGES	5.7070000	Color (moist)		2000	200.00	100	— — — —	• VC 10	tration
0-10	10YR 4/1	90	7.5YR 4/6	10	<u>C</u>	M_	Loamy/Clayey	Promi	nent redox concer	ntration
10-16	10YR 4/1	100					Loamy/Clayey			
				=	=	$\equiv$				
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM		MS=Mas	ked Sand		<sup>2</sup> Locat	ion: PL=Pore	E Lining, M=Matrix	Yo
Hydric Soil	Indicators:						Indica	tors for Prol	olematic Hydric S	ioils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		c	oast Prairie R	edox (A16)	
Histic Ep	pipedon (A2)		Sandy Re	dox (S5)			In	on-Manganes	e Masses (F12)	
Black Hi	stic (A3)		Stripped N	Matrix (Se	3)		R	ed Parent Ma	terial (F21)	
Hydroge	n Sulfide (A4)		Dark Surfa	ace (S7)				ery Shallow D	ark Surface (F22)	
Stratified	l Layers (A5)		Loamy Mu	cky Mine	eral (F1)		°	ther (Explain	in Remarks)	
2 cm Mu	ck (A10)		Loamy Glo	eyed Mat	trix (F2)					
Depleted	d Below Dark Surface	(A11)	X Depleted	Matrix (F	3)		585			
Thick Da	ark Surface (A12)		Redox Da	rk Surfac	e (F6)		<sup>3</sup> Indica	ators of hydro	phytic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted	Dark Sur	face (F7)	6	W	etland hydrolo	ogy must be prese	nt,
5 cm Mu	cky Peat or Peat (S3	3)	Redox De	pression	s (F8)		ur	iless disturbe	d or problematic.	
Restrictive	Layer (if observed):									
						Į.				
Type:										
Depth (ir Remarks:	are present. Hydric s	soils indica	ators Depleted Matr	ix (F3) is	satisfied	<b>1.</b> ,	Hydric Soil Pres	ent?	Yes_X	No _
Depth (in		soils indica	ators Depleted Matr	ix (F3) is	satisfied	J.	Hydric Soll Pres	ent?	Yes X	No_
Depth (in Remarks: Hydric soils	are present. Hydric s	soils indica	ators Depleted Matr	ix (F3) is	satisfied	<b>1</b> .	Hydric Soil Pres	ent?	Yes X	No _
Depth (in Remarks: Hydric soils	are present. Hydric s				s satisfied	i.,	•			33360 <u>-</u>
Depth (in Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi	are present. Hydric s  OGY  drology Indicators: cators (minimum of c		uired: check all that	apply)			Secor	dary Indicato	rs (minimum of tw	33360 <u>-</u>
Depth (in Remarks: Hydric soils  HYDROLO  Wetland Hy  Primary Indi Surface	or present. Hydric solutions are present. Hydric solutions of the solution of the solutions		uired: check all that _xWater-Sta	apply) ined Lea	ves (B9)		<u>Seco</u> rS	<u>dary Indicato</u> urface Soil Cr	rs (minimum of tw acks (B6)	93360 <u>-</u>
Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydrand Hydrimary India Surface X High Wa	drology Indicators: cators (minimum of c		iired: check all that _x_ Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ives (B9) 3)		<u>Seco</u> r S	<u>dary Indicato</u> urface Soil Cr rainage Patte	rs (minimum of tw acks (B6) rns (B10)	93360 <u>-</u>
Depth (in Remarks: Hydric soils	drology Indicators: cators (minimum of cators (Mater (A1)) ter Table (A2) on (A3)		iired: check all that Water-Sta Aquatic Fe True Aqua	apply) ined Lea auna (B1	ives (B9) 3) s (B14)		Secor S D	<u>dary Indicato</u> urface Soil Cr rainage Patte ry-Season Wi	rs (minimum of tw acks (B6) rns (B10) ater Table (C2)	93360 <u>-</u>
Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydrand Hy Primary India Surface X High Wa Saturatio Water M	drology Indicators: cators (minimum of compart (A1) ter Table (A2) on (A3) arks (B1)		iired: check all that  x Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (	ves (B9) 3) s (B14) Odor (C1	)	<u>Secor</u> S D D C	dary Indicato urface Soil Cr rainage Patte ry-Season Wa rayfish Burrov	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8)	o requir
Depth (in Remarks: Hydric soils  HYDROLO Wetland Hy Primary India Surface X High Wa X Saturatic Water M Sedimer	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) arks (B1) tt Deposits (B2)		uired: check all that  x Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph	ves (B9) 3) s (B14) Odor (C1 eres on I	) Living R	<u>Secor</u> S D D C coots (C3) S	dary Indicato Irface Soil Cr rainage Patte ry-Season Wi rayfish Burrov aturation Visil	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ole on Aerial Imag	o requii
Depth (in Remarks: Hydric soils  HYDROLO Wetland Hy Primary India Surface X High Wa X Saturatic Water M Sedimer Drift Dep	drology Indicators: cators (minimum of compart (A1) ter Table (A2) on (A3) arks (B1)		iired: check all that  x Water-Sta  Aquatic Fi  True Aqua  Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc	oves (B9) 3) s (B14) Odor (C1 eres on I	) Living R (C4)	Secor S D D C coots (C3) S	dary Indicato urface Soil Cr rainage Patte ry-Season Wa rayfish Burrov aturation Visit unted or Stre	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imag ssed Plants (D1)	o requii
Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Surface X High Water Water Water Water Myater Myate	or Crust (B4)		x Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( tition in Ti	) Living R (C4)	Secor S D C coots (C3) S Si s (C6) X G	dary Indicato urface Soil Cr rainage Patte ry-Season Wi rayfish Burrov aturation Visit unted or Stre eomorphic Po	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imag ssed Plants (D1) osition (D2)	o requi
Depth (in Remarks: Hydric soils  HYDROLO Wetland Hy Primary India Surface X High Wat X Saturatic Water M Sedimer Drift Dep Algal Ma	or Annual Control of C	one is requ	x Water-Sta Aquatic F: True Aqua Hydrogen Oxidized F Presence Recent Irc	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc n Reduc Surface	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( tition in Ti	) Living R (C4)	Secor S D C coots (C3) S Si s (C6) X G	dary Indicato urface Soil Cr rainage Patte ry-Season Wa rayfish Burrov aturation Visit unted or Stre	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imag ssed Plants (D1) osition (D2)	o requi
Depth (in Remarks: Hydric soils	are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (A1) are solutions (A2) are solutions (B2) are solutions (B3) at or Crust (B4) osits (B5)	one is requ	x Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc Surface Well Dat	oves (B9) 3) s (B14) Ddor (C1 eres on I ced Iron ( tition in Ti e (C7) a (D9)	) Living R (C4)	Secor S D C coots (C3) S Si s (C6) X G	dary Indicato urface Soil Cr rainage Patte ry-Season Wi rayfish Burrov aturation Visit unted or Stre eomorphic Po	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imag ssed Plants (D1) osition (D2)	o requii
Depth (in Remarks: Hydric soils	are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present and solutions are present as a solution (A3) arks (B1) arks (B1) arks (B2) arks (B3) arks (B3) arks (B4) arks (B5)	one is requ	x Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide ( Rhizosph of Reduc in Reduc Surface Well Dat	oves (B9) 3) s (B14) Ddor (C1 eres on I ced Iron ( tition in Ti e (C7) a (D9)	) Living R (C4)	Secor S D C coots (C3) S Si s (C6) X G	dary Indicato urface Soil Cr rainage Patte ry-Season Wi rayfish Burrov aturation Visit unted or Stre eomorphic Po	rs (minimum of tw acks (B6) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imag ssed Plants (D1) osition (D2)	o requi
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## 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 Sampling Date: 9/18/2010 Applicant/Owner: City of Chicago Sampling Point: NE19-110 UPL Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: Section 4, T40N, R12E Local relief (concave, convex, none): none Landform (hillside, terrace, etc.): bench Slope (%): <1% Lat: 41.98598133 Long: -87.87596604 Datum: WGS84 Soil Map Unit Name: 805D - Orthents, clayey, rolling (Predominantly Non-hydric (1%)) NWI classification: 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\_X\_ No\_ Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes Is the Sampled Area Hydric Soil Present? No X within a Wetland? Yes Yes No X Wetland Hydrology Present? No X Remarks: Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019. Soil dumping area from 1980s; construction of water main? VEGETATION - Use scientific names of plants. (Plot size: Tree Stratum Dominance Test worksheet: % Cover Species? Number of Dominant Species That 2. Are OBL, FACW, or FAC: (A) 3 Total Number of Dominant Species Across All Strata: 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 \_\_\_\_\_10 \_\_\_ x 1 = \_\_\_\_10 FACW species 13 x 2 = x 3 = FAC species =Total Cover FACU species x 4 =Herb Stratum (Plot size: UPL species 62 x 5 = Column Totals: 100 (A) 1. Sporobolus vaginiflorus No 2. Fraxinus pennsylvanica 10 **FACW** Prevalence Index = B/A = \_\_ FACU 10 No 3. Schedonorus arundinaceus 4. Scirpus pendulus 10 OBL Hydrophytic Vegetation Indicators: 5. Symphyotrichum ericoides 5 No FACU 1 - Rapid Test for Hydrophytic Vegetation 3 FACW 6. Phragmites australis No 2 - Dominance Test is >50% 7. Daucus carota 2 UPL 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10. 100 =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

ENG FORM 6116-7-SG, JUL 2018

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

Community Type: developed land HGM Type: Hydrophytic vegetation is not present.

epth Matrix	Redox Features	2	
nches) Color (moist) %	Color (moist) % Type Loc	Texture	Remarks
0-16 10YR 4/1 100		Loamy/Clayey	clay loam
		_	
		_	2
	M=Reduced Matrix, MS=Masked Sand Gra		PL=Pore Lining, M=Matrix.
ydric Soil Indicators:	0 1 0 1 11 1 1 10 10		rs for Problematic Hydric Soils <sup>3</sup> :
_ Histosol (A1)	Sandy Gleyed Matrix (S4)		st Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	<del></del>	Manganese Masses (F12)
Black Histic (A3)	Stripped Matrix (S6)		Parent Material (F21)
_ Hydrogen Sulfide (A4)	Dark Surface (S7)		Shallow Dark Surface (F22)
_Stratified Layers (A5)	Loamy Mucky Mineral (F1)	Othe	r (Explain in Remarks)
_2 cm Muck (A10)	Loamy Gleyed Matrix (F2)		
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	3 In alia a fa	en of hudronhudio unantelion and
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Surface (F6) Depleted Dark Surface (F7)		rs of hydrophytic vegetation and
5 cm Mucky Peat or Peat (S3)	Redox Depressions (F8)		and hydrology must be present, ss disturbed or problematic.
estrictive Lover (if charmed).			
estrictive Layer (ii observeu).			
Type:	<u></u>		
Depth (inches): emarks:	et hydric soils criteria. No redox features ob	Hydric Soil Presen	1? Yes <u>No</u>
Type: Depth (inches): emarks:	st hydric soils criteria. No redox features ob	and recording to builting the analysis and an area	1? Yes No_
Type: Depth (inches): emarks: ydric soils are not present. Does not mee	et hydric soils criteria. No redox features ob	and recording to builting the analysis and an area	1? Yes No _
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Type: Depth (inches): emarks: ydric soils are not present. Does not mee  YDROLOGY  (etland Hydrology Indicators: rimary Indicators (minimum of one is requ	uired: check all that apply)	served.	ry Indicators (minimum of two requi
Type: Depth (inches): emarks: ydric soils are not present. Does not mee  /DROLOGY  fetland Hydrology Indicators: imary Indicators (minimum of one is requ Surface Water (A1)	uired: check all that apply)Water-Stained Leaves (B9)	served. Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6)
Type: Depth (inches):  gmarks: dric soils are not present. Does not mee  //DROLOGY  etland Hydrology Indicators: imary Indicators (minimum of one is requ Surface Water (A1) High Water Table (A2)	uired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)	SecondaSurfi	ry Indicators (minimum of two requi ace Soil Cracks (B6) nage Patterns (B10)
Type: Depth (inches): marks: dric soils are not present. Does not mee  TDROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is requ Surface Water (A1) High Water Table (A2) Saturation (A3)	uired: check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	Seconda Surfi Draii	ry Indicators (minimum of two requi ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Type: Depth (inches):  marks: dric soils are not present. Does not mee  TDROLOGY  etland Hydrology Indicators: mary Indicators (minimum of one is requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	uired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)	Seconda Surfi Draii Dry- Cray	ry Indicators (minimum of two requi ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
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Type: Depth (inches): Imarks: Idric soils are not present. Does not mee  DROLOGY  etland Hydrology Indicators: Imary Indicators (minimum of one is requested by the second of the second	uired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living  Presence of Reduced Iron (C4)	Seconda Surfi Drair Dry- Cray Roots (C3) Satu	ry Indicators (minimum of two requ ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ted or Stressed Plants (D1)
Type: Depth (inches): Imarks: Indric soils are not present. Does not mee  TOROLOGY  etland Hydrology Indicators: Imary Indicators (minimum of one is requested by the control of the contr	uired: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled S	Seconda	ry Indicators (minimum of two requi ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ted or Stressed Plants (D1) morphic Position (D2)
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Type: Depth (inches):  marks: dric soils are not present. Does not mee  DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (E	uired; check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Gauge or Well Data (D9)	Seconda	ry Indicators (minimum of two requ ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8 ted or Stressed Plants (D1) morphic Position (D2)
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## 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: 9/18/2019 Applicant/Owner: City of Chicago State: IL Sampling Point: NE19-110 WET Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: Section 4, T40N, R12E Local relief (concave, convex, none): concave Landform (hillside, terrace, etc.): shallow basin Slope (%): <1% Lat: 41.98602768 Long: <u>-87.87588269</u> Datum: <u>WGS84</u> NWI classification: PEM Soil Map Unit Name: 805D - Orthents, clayey, rolling (Predominantly Non-hydric (1%)) 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\_X\_ No\_ Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X Is the Sampled Area Hydric Soil Present? Yes X within a Wetland? Yes X No No Yes X Wetland Hydrology Present? Remarks: Soil dumping area; construction of water main? Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019. VEGETATION - Use scientific names of plants. (Plot size: Tree Stratum % 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: 5. Percent of Dominant Species That =Total Cover Are OBL, FACW, or FAC: 100.0% (A/B) Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: 3. OBL species \_\_\_\_\_10 \_\_\_ x 1 = \_\_\_\_10 FACW species 85 x 2 = x 3 = FAC species =Total Cover FACU species x 4 =0 x 5 = Herb Stratum UPL species Column Totals: 100 (A) 1. Phragmites australis FACW Yes Prevalence Index = B/A = \_\_ 2. Fraxinus pennsylvanica 20 **FACW** FACW 15 No 3. Juncus torreyi 4. Scirpus pendulus 10 No OBL Hydrophytic Vegetation Indicators: X 1 - Rapid Test for Hydrophytic Vegetation 5. Juncus dudleyi 10 No **FACW** 3 FACIL X 2 - Dominance Test is >50% 6. Symphyotrichum ericoides No 7. Ambrosia artemisiifolia 2 **FACU** X 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10. 100 =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 X Remarks: (Include photo numbers here or on a separate sheet.)

ENG FORM 6116-7-SG, JUL 2018

Midwest - Version 2.0

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present. Data point is approx 25 feet away from upland point with 6" of elevation change

Profile Desc Depth	Matrix	io ine ue				ALOI UI (	confirm the absence	or mulcator	3.,	
(inches)	Color (moist)	%	900 W 700 N 3007	x Featur %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
400 400	NAMES OF ACT OF THE PARTY.	10000000	Color (moist)		2000	500.00		Donnie	W 10	1
0-6	10YR 4/1	85	7.5YR 4/6	15	<u> </u>	M_	Loamy/Clayey	Promin	ent redox concer	itration
6-16	10YR 4/1	100		_	<u> </u>		Loamy/Clayey	-	clay loam	
				_						
Type: C=Co	oncentration, D=Dep	letion, RM		MS=Mas	ked Sand	d Grains	Locatio 2	n: PL=Pore	Lining, M=Matrix.	10
Hydric Soil I	ndicators:		**						ematic Hydric S	
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coa	st Prairie Re	dox (A16)	
Histic Ep	ipedon (A2)		Sandy Re	dox (S5)			Iron	-Manganese	Masses (F12)	
Black His	stic (A3)		Stripped N	Matrix (Si	3)		Red	Parent Mate	erial (F21)	
— Hydrogei	n Sulfide (A4)		Dark Surfa	ace (S7)			Ven	Shallow Da	rk Surface (F22)	
Stratified	Layers (A5)		Loamy Mu	cky Min	eral (F1)		Oth	er (Explain in	Remarks)	
 2 cm Mu			Loamy Glo					0 (5)	2	
The state of the state of	Below Dark Surface	(A11)	X Depleted							
	rk Surface (A12)		Redox Da				3Indicate	ors of hydroph	hytic vegetation a	and
_	ucky Mineral (S1)		Depleted I	Dark Sur	face (F7)	)			y must be prese	
	cky Peat or Peat (S3	3)	Redox De					1000	or problematic.	ă.
Restrictive L	_ayer (if observed):					1	10,000		And Andrews and the second sec	
Type:										
	iches):are present. Hydric s	soils indica	ators Depleted Matr	ix (F3) is	s satisfied	d.	Hydric Soil Preser	nt?	Yes X	No _
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Depth (in Remarks:	are present. Hydrics	soils indica	ators Depleted Matr	ix (F3) is	s satisfied	<b>i</b> .	Hydric Soil Preser	nt?	Yes X	No_
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Midwest - Version 2.0

APPENDIX L L-194 NOVEMBER 2022

U.S. Army Corps of				nt Control Sy	<i>ı</i> mbol	
WETLAND DETERMINATION DATA	SHEET - Mid	west Region	E	XEMPT		
See ERDC/EL TR-07-24; the propone	ent agency is (	CECW-CO-R	(Authority: AR 3	35-15, parag	raph 5-2	2a)
Project/Site: Chicago O'Hare International Airport (OR	D)	City/County: Chicago	)/Cook	Sampling Date:	9/18/20	)19
Applicant/Owner: City of Chicago			State: IL	Sampling Point:	NE19-11	16 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, Me	ead & Hunt, Inc.	Section, Township, Rai	nge: Section 4, T40N, R	₹12E		
Landform (hillside, terrace, etc.): bench/terrace		Local relief (c	oncave, convex, none): n	one		
		Long: -87.87325614		Datum: WGS84		
Soil Map Unit Name: 805D - Orthents, clayey, rolling (						
Are climatic / hydrologic conditions on the site typical 1			No X (If no, expl:			
Are Vegetation , Soil , or Hydrology	2000 AMARIE SANORAN ALTON					
Are Vegetation, Soil, or Hydrology			plain any answers in Rem	-	·-	
SUMMARY OF FINDINGS – Attach site m			1 12		aturas	etc
COMMAKT OF FINDINGS - Attach site in	ap snowing s	T	cations, transects,	Important le	atures,	
Hydrophytic Vegetation Present? Yes X N	°	Is the Sampled Ar	ea			
	o_X_	within a Wetland?	Yes	No X		
Wetland Hydrology Present? Yes N	o_X_					
Remarks:	n chave everege	amount of rainfall duri	na Santambar 2010			
Climatic/hydrologic conditions are not typical due to a	in above average	amount of rainial duri	ng September 2019.			
L VEGETATION – Use scientific names of pla	ante					
reservation – Ose scientific harries of pia		ominant Indicator				
Tree Stratum (Plot size: 30ft )		pecies? Status	Dominance Test work	sheet:		
Acer negundo	30	Yes FAC	Number of Dominant S	pecies That		
2. Populus deltoides		Yes FAC	Are OBL, FACW, or FA	4C:	4 (/	(A)
3. Robinia pseudoacacia	· — — —	Yes FACU	Total Number of Domir	nant Species		
4. Rhamnus cathartica	5	No FAC	Across All Strata:	10 10000	5 (	(B)
5	85 =Tot	al Cover	Percent of Dominant S Are OBL, FACW, or FA		30.0% (/	A/B)
Sapling/Shrub Stratum (Plot size: 15ft	)	ui covoi	710 002,171010,0117		<u> </u>	, ,,
1. Rhamnus cathartica	40	Yes FAC	Prevalence Index wor	ksheet:		
2.			Total % Cover of:	Multipl	ly by:	
3.			OBL species0	x 1 =	0	
4		0.00	FACW species 0	x 2 =	0	
5			FAC species 110		330	
<u>Herb Stratum</u> (Plot size: 5ft )	=Tot	al Cover	FACU species 25 UPL species 0		0	
1. Rhamnus cathartica	10	Yes FAC	Column Totals: 135			B)
2.			Prevalence Index =	7.00 %		-,
3.	-					
4.			Hydrophytic Vegetation	on Indicators:		
5.			1 - Rapid Test for I	Hydrophytic Vege	etation	
6.	-		X 2 - Dominance Tes			
		11	3 - Prevalence Inde 4 - Morphological A		wide cupp	ortino
8. 9.	<del></del>			or on a separate		Orthre
10.	0 -	1 0.	Problematic Hydro	50.		1)
	10 =Tot	al Cover	Indicators of hydric so		100 10	6
Woody Vine Stratum (Plot size:	)		be present, unless dist			351
1.			Hydrophytic	<del>-</del>		
2	-		Vegetation	DD 10		
		al Cover	Present? Yes_	X No_	_	
Remarks: (Include photo numbers here or on a sepa	Several and a second several contract of the second	io procent About 25	alayatian abanca a see 45	foot botuses to	o dota = : '-	a ta
Community Type: upland forest HGM Type: Hydr	opriyuc vegetatioi	i is present. About 21t	cicvation change over 15	icar permeeti (W	o data poir	ıtə.

SOIL									Sa	mpling Point:	NE19-116 UPL
Profile Desc	cription: (Describe	to the dep	th needed to do	cument th	he indica	ator or o	confirm the	absence of	findicators	s.)	
Depth	Matrix		Red	dox Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Text	ture		Remarks	
0-16	10YR 3/1	100					Loamy/	/Clayey		clay loam	
					. —						
	<del>-</del>						-				
	-					-					
					. —	-	-				
1					. —			2			
Hydric Soil	oncentration, D=Depl	letion, RM=	Reduced Matrix,	MS=Mas	ked Sand	d Grains	3.			ining, M=Matrix	
STATE OF STATE OF THE STATE OF			Sandy C	leyed Mat	trive (CA)				Prairie Red	ematic Hydric (	Solls :
Histosol	pipedon (A2)			edox (S5)	2 2			The same		Masses (F12)	
	istic (A3)			Matrix (S6					anganese n arent Mater		
	en Sulfide (A4)			face (S7)				-		k Surface (F22)	Y.
	d Layers (A5)		200	lucky Mine					(Explain in I		7.
	uck (A10)			Sleyed Mat				_	(—II		
	d Below Dark Surface	e (A11)		Matrix (F							
	ark Surface (A12)	USE Nonemanion.	and the same	ark Surfac				<sup>3</sup> Indicators	of hydroph	ytic vegetation	and
Sandy M	Mucky Mineral (S1)		 Depleted	l Dark Sur	face (F7)	)				must be prese	
5 cm Mu	icky Peat or Peat (S3	3)	Redox D	epression	s (F8)			unless	disturbed of	or problematic.	
Restrictive	Layer (if observed):										
Type:											
Depth (in	nches):		_				Hydric Sc	oil Present?		Yes	No X
HYDROLO	)GY										
20 E E E	drology Indicators:										
2007 0907 6	cators (minimum of o	ne is requi	PRINCIPLE NAME AND ADDRESS OF THE PRINCI	C 69 50 69	(D0)			100		(minimum of tw	vo required)
	Water (A1) ater Table (A2)			tained Lea Fauna (B1					e Soil Crack ge Patterns		
Saturatio				uatic Plant						r Table (C2)	
	farks (B1)		4	n Sulfide (		Y			sh Burrows		
	nt Deposits (B2)			Rhizosph			Roots (C3)	A Company of the Comp		on Aerial Imag	gery (C9)
	posits (B3)		Presence	e of Reduc	ced Iron	(C4)		Topone in		ed Plants (D1)	
Algal Ma	at or Crust (B4)		Recent Ir	ron Reduc	ction in Ti	illed Soil	ils (C6)	Geom	orphic Posit	tion (D2)	
Iron Dep	oosits (B5)		Thin Muc	ck Surface	e (C7)			FAC-N	leutral Test	(D5)	
Inundatio	on Visible on Aerial Ir	magery (B7	) Gauge of	r Well Dat	ta (D9)						
Sparsely	y Vegetated Concave	Surface (E	38)Other (E	xplain in R	≀emarks)						
Field Obser	vations:						T				
Surface Wat	ter Present? Ye	s	No <u>X</u>	Depth (i	inches): _		.				
Water Table		s	No X		inches):						
Saturation P	resent? Ye	s	No X	Depth (i	inches):		Wetlan	d Hydrology	/ Present?	Yes	No X
900 AND 1900	pillary fringe)		ACC 10 100			18	100 100	8 80			
	corded Data (stream	100 000	nitoring well, aer	ial photos	, previou	s inspec	ctions), if ava	ailable:			
	water table not obse	rved.									
Remarks: Wetland hyd	drology is neither pres	sent nor inc	licated								
vvolidila ilya	nology is notinol pro-	zone nor ma	loutou.								

WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone	SHEET -	Midwest R	17.3		ent Control Symbol EXEMPT 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (OF Applicant/Owner: City of Chicago Investigator(s): Brauna Hartzell, Conor Makepeace, M.				State: IL	Sampling Date:         9/18/2019           Sampling Point:         NE19-116 WE
Landform (hillside, terrace, etc.): shallow basin			Local relief (c	oncave, convex, none):	
Slope (%): <1% Lat: 41.98792909			87.8732011		Datum: WGS84
Soil Map Unit Name: 805D - Orthents, clayey, rolling	(Predominant	ly Non-hydric	(1%))	NWI classi	fication: PFO
Are climatic / hydrologic conditions on the site typical	for this time of	f year?	Yes	No X (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology	(A)		Are "Normal C	ircumstances" present?	? Yes X No
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (	If needed, exp	olain any answers in Re	marks.)
SUMMARY OF FINDINGS – Attach site m	nap showii	ng samplir	ng point lo	cations, transects	, important features, etc
Hydric Soil Present? Yes X	lo lo		Sampled Ar n a Wetland?		No
Remarks: Climatic/hydrologic conditions are not typical due to a	an above ave	rage amount	of rainfall duri	ng September 2019.	
VEGETATION - Use scientific names of plants					
Tree Stratum (Plot size: 30ft )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:
1. Acer negundo	70	Yes	FAC FAC	Number of Dominant	and an area areas
Rhamnus cathartica     Robinia pseudoacacia	10	No No	FACU	Are OBL, FACW, or f	
4.			1700	Total Number of Dom Across All Strata:	ninant Species 1 (B)
5.				Percent of Dominant	
Sapling/Shrub Stratum (Plot size: 15ft	90	=Total Cover	( <del></del> -	Are OBL, FACW, or I	
1. Rhamnus cathartica	. 2	No	FAC	Prevalence Index w	orksheet:
2. Acer negundo	2	No	FAC	Total % Cover o	f: Multiply by:
3				OBL species	0 x 1 = 0
4				ENGLANDED SET ENGLANDS SET ENGL	0 x 2 =0
5		T		(4)	34 x 3 = 252
Horb Stratum (Diet size:		=Total Cover		The second secon	$     \begin{array}{c}       0 & x = 40 \\       0 & x = 0     \end{array} $
Herb Stratum (Plot size:) 1.					04 (A) 292 (B)
2.				Prevalence Index	
3.	· <del></del>			Huduan budla Manata	tion Indicators.
5.				Hydrophytic Vegeta	r Hydrophytic Vegetation
6.				X 2 - Dominance T	151 1/ 5 1/51
7.	. —		-	3 - Prevalence In	
8.					I Adaptations <sup>1</sup> (Provide supportin
9.				data in Remar	ks or on a separate sheet)
10.				Problematic Hydr	rophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:	)	=Total Cover			soil and wetland hydrology must sturbed or problematic.
1	. —		<del></del>	Hydrophytic Vegetation	
		=Total Cover		100 mm m 100 mm m 100 mm m m m m m m m m	XNo
Remarks: (Include photo numbers here or on a sepa Community Type: forested wetland HGM Type: dep		ydrophytic ve	getation is pre	esent.	

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

APPENDIX L L-197 NOVEMBER 2022

SOIL										
	cription: (Describe	to the dep				ator or o	confirm the abse	nce of ind	icators.)	
Depth	Matrix	580	CONT. IN THE CO. INC.	x Featur	4	. 2				
(inches)	Color (moist)	%	Color (moist)	%	Туре	Loc <sup>2</sup>	Texture		Remarks	
0-2	10YR 3/1	100					Loamy/Claye	<u>y</u>	clay loam	
2-8	10YR 4/1	80	10YR 5/6	_20	C	M		P	rominent redox conc	entrations
8-10	10YR 4/3	98	10YR 6/6	2	C	M			Distinct redox concer	ntrations
10-16	10YR 3/1	100					Loamy/Claye	у	clay loam	
	7			. —						
1							- 2.			
Type: C=C  Hvdric Soil	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand	d Grains			Pore Lining, M=Matri Problematic Hydric	
\$250			Sandy Gle	aved Met	rise (CA)					SUIIS .
— Histosol				8	1 1				ie Redox (A16)	
	oipedon (A2)		Sandy Re						inese Masses (F12)	
	stic (A3)		Stripped N		o)				: Material (F21)	
	n Sulfide (A4)		— Dark Surf						ow Dark Surface (F22	2)
	d Layers (A5)		Loamy Mu					otner (Expl	ain in Remarks)	
	ick (A10)		Loamy GI							
- Contract of the contract	d Below Dark Surface	e (A11)	X Depleted	TO 10000 IN	10.000.00		9	49 1000	50 N 400 W 400	
Thick Da	ark Surface (A12)		Redox Da		0 0				ydrophytic vegetation	
	flucky Mineral (S1)		Depleted		12 2	)		1000	drology must be pres	
5 cm Mu	icky Peat or Peat (S	3)	Redox De	pression	s (F8)			unless disti	urbed or problematic	10
Restrictive	Layer (if observed):									
Type:										
D (1 /										
Remarks:	are present. Hydric	soils indica	ators Depleted Belo	ow Dark :	Surface (	A11) and	Hydric Soil Pro		Yes X	No
Remarks:		soils indica	ators Depleted Belo	ow Dark \$	Surface (.	A11) an	DO TOSSESSE TO SUPPLIES TO SE		2000-000 <u></u>	No
Remarks:	are present. Hydric :	soils indica	ators Depleted Belo	ow Dark \$	Surface (.	A11) an	DO TOSSESSE TO SUPPLIES TO SE		2000-000 <u></u>	No
Remarks: Hydric soils HYDROLO Wetland Hy	are present. Hydric:	000			Surface (	A11) an	d Depleted Matrix	(F3) are sa	atisfied.	3200
Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi	are present. Hydric :  OGY  drology Indicators: cators (minimum of c	000	ired: check all that	apply)			d Depleted Matrix	(F3) are sa	atisfied.	3200
Remarks: Hydric soils  HYDROLO Wetland Hy Primary India	are present. Hydric :  OGY  drology Indicators: cators (minimum of c	000	ired; check all that X Water-Sta	apply) ained Lea	ves (B9)		d Depleted Matrix	(F3) are sa ondary Indi- Surface So	cators (minimum of t	3200
Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) ster Table (A2)	000	i <u>ired: check all that</u> <u>X</u> Water-Sta	apply) ained Lea auna (B1	ves (B9)		d Depleted Matrix	(F3) are sa ondary Indi- Surface So Drainage P	cators (minimum of till Cracks (B6) atterns (B10)	3200
Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3)	000	ired: check all that  X Water-Ste Aquatic F True Aqua	apply) ained Lea auna (B1 atic Plant	ives (B9) 3) s (B14)		d Depleted Matrix	ondary India Surface So Drainage P Dry-Season	cators (minimum of till Cracks (B6) atterns (B10) n Water Table (C2)	3200
Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M	are present. Hydric solutions: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1)	000	ired: check all that  X Water-Ste Aquatic F True Aque Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide (	ves (B9) 3) s (B14) Odor (C1	)	d Depleted Matrix	ondary Indi Surface So Drainage P Dry-Season Crayfish Bu	cators (minimum of the color of	wo require
Remarks: Hydric soils  HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatic Water M Sedimer	are present. Hydric solutions: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	000	ired; check all that  X Water-Ste Aquatic F True Aqua Hydrogen Oxidized	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph	ves (B9) 3) s (B14) Odor (C1 eres on l	) Living R	d Depleted Matrix  Secu	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation	cators (minimum of the cators (B6) catterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatic 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)	000	ired: check all that  X Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (	) Living R (C4)	d Depleted Matrix  Seconds  oots (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation	cators (minimum of to il Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep	are present. Hydric :  OGY  drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	000	ired: check all that  X Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ira	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Ti	) Living R (C4)	Seconds (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of trill Cracks (B6) atterns (B10) in Water Table (C2) currows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	ired: check all that  X Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ira  Thin Muck	apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Tite (C7)	) Living R (C4)	Seconds (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of to il Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1)	wo require
HYDROLO Wetland Hy Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) teter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I	one is requ	ired; check all that  X Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iru Thin Muck 7) Gauge or	apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Tite (C7) a (D9)	) Living R (C4)	Seconds (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of trill Cracks (B6) atterns (B10) in Water Table (C2) currows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely	are present. Hydric :  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I  / Vegetated Concave	one is requ	ired; check all that  X Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iru Thin Muck 7) Gauge or	apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat	oves (B9) 3) s (B14) Odor (C1 eres on loced Iron (ction in Tite (C7) a (D9)	) Living R (C4)	Seconds (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of trill Cracks (B6) atterns (B10) in Water Table (C2) currows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely Field Obser	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) atter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave evations:	one is requ magery (B Surface (	ired: check all that  X Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F	oves (B9) 3) s (B14) Ddor (C1 eres on led Iron (ction in Tie (C7) a (D9) Remarks)	) Living R (C4)	oots (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of trill Cracks (B6) atterns (B10) in Water Table (C2) currows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely Field Obser Surface Wat	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) atter Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial I y Vegetated Concave vations: ter Present? Ye	one is requ magery (B e Surface (	ired: check all that  X Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ind Thin Muck 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc ( Surface ( Well Dat plain in F	oves (B9) 3) s (B14) Ddor (C1 eres on led fron in Ti (C7) a (D9) Remarks)	) Living R (C4) Iled Soil	oots (C3)	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi	cators (minimum of trill Cracks (B6) atterns (B10) in Water Table (C2) currows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely Field Obser Surface Wat	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) ster Table (A2) on (A3) larks (B1) nt Deposits (B2) osoits (B3) at or Crust (B4) osoits (B5) on Visible on Aerial I / Vegetated Concave vations: ter Present? Ye	magery (Be Surface (	X   Water-Sta   Aquatic F   True Aqua   Hydrogen   Oxidized   Presence   Recent Ird   Thin Muck   Thin Muck   Thin Muck   No   X   No   No   No   No   No   No	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc or Surface Well Dat plain in F	oves (B9) 3) s (B14) Ddor (C1 eres on lead from (ction in Tiele (C7) a (D9) Remarks) nches): _nches):	) Living R (C4) Illed Soil	Secution of the secution of th	ondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi FAC-Neutri	cators (minimum of till Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2) al Test (D5)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Inundati X Sparsely Field Obser Surface Water Table Saturation P	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) ossits (B3) at or Crust (B4) ossits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye Present? Ye	one is requ magery (B e Surface (	ired: check all that  X Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ind Thin Muck 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc or Surface Well Dat plain in F	oves (B9) 3) s (B14) Ddor (C1 eres on led fron in Ti (C7) a (D9) Remarks)	) Living R (C4) Illed Soil	oots (C3)	ondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi FAC-Neutri	cators (minimum of till Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2) al Test (D5)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca	are present. Hydric :  DGY  drology Indicators: cators (minimum of	magery (Be Surface (	X   Water-Sta   Aquatic F   True Aqua   Hydrogen   Oxidized   Presence   Recent Ird   Thin Muer   Recent Ird   Gauge of B8)   Other (Ex   No   X   No   X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc ( Surface ( Surface ) Delth (i Depth (i	oves (B9) 3) s (B14) Ddor (C1 eres on lead from the (C7) a (D9) acemarks) anches): anches): anches):	) Living R (C4) Iled Soil	oots (C3) s (C6)  Wetland Hyd	ondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation i Stunted or Geomorphi FAC-Neutra	cators (minimum of till Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2) al Test (D5)	wo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati X Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca	are present. Hydric :  DGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) ossits (B3) at or Crust (B4) ossits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye Present? Ye	magery (Be Surface (	X   Water-Sta   Aquatic F   True Aqua   Hydrogen   Oxidized   Presence   Recent Ird   Thin Muer   Recent Ird   Gauge of B8)   Other (Ex   No   X   No   X	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc ( Surface ( Surface ) Delth (i Depth (i	oves (B9) 3) s (B14) Ddor (C1 eres on lead from the (C7) a (D9) acemarks) anches): anches): anches):	) Living R (C4) Iled Soil	oots (C3) s (C6)  Wetland Hyd	ondary Indi Surface So Drainage P Dry-Seasor Crayfish Bu Saturation i Stunted or Geomorphi FAC-Neutra	cators (minimum of till Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2) al Test (D5)	wo require
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Hydric soils  Hydric soils  Hydric soils  Hydric soils  Wetland Hy Primary India Surface High Wa Saturatia Water IN Sedimer Drift Dep Inundatia X Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re  Remarks:	are present. Hydric :  DGY  drology Indicators: cators (minimum of	magery (Bes Surface (	X   Water-Sta	apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F  Depth (i Depth (i Depth (i	oves (B9) 3) s (B14) Ddor (C1 eres on led Iron (ction in Tie (C7) a (D9) nches): _ nches): _ nches): _	) Living R (C4) Iled Soil	oots (C3) s (C6)  Wetland Hyd	ondary India Surface So Drainage P Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi FAC-Neutri	cators (minimum of till Cracks (B6) atterns (B10) in Water Table (C2) urrows (C8) Visible on Aerial Ima Stressed Plants (D1) c Position (D2) at Test (D5)	gery (C9)

U.S. Army Corps of Engineers		Requirement Control Symbol
WETLAND DETERMINATION DATA SHEET – Mid See ERDC/EL TR-07-24; the proponent agency is C		EXEMPT (Authority: AR 335-15, paragraph 5-2a)
Project/Site: Chicago O'Hare International Airport (ORD)	City/County: Chicago/C	
Applicant/Owner: City of Chicago		State: IL Sampling Point: NW19-01 UPL
Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, Mead & Hunt, Inc.		
Landform (hillside, terrace, etc.): hillslope/midslope		ncave, convex, none): convex
Slope (%): 30 Lat: 42.00013088	Long: <u>-87.92874482</u>	Datum: WGS84
Soil Map Unit Name: 533 - Urban land (Non-hydric (0%))		NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year	r? Yes X	No (If no, explain in Remarks.)
Are Vegetation X, Soil X, or Hydrology significantly disturbed.		— —
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, expla	ain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	ampling point loca	ations, transects, important features, etc.
Hydrophytic Vegetation Present?         Yes         No         X           Hydric Soil Present?         Yes         No         X           Wetland Hydrology Present?         Yes         No         X	Is the Sampled Area within a Wetland?	a Yes No_X_
Remarks: A constructed area that is mown regularly.		
VEGETATION – Use scientific names of plants.		
AGA AGG DI SENSE AL G	minant Indicator ecies? Status	Dominance Test worksheet:
1.		Number of Dominant Species That
2.	23 10 10	Are OBL, FACW, or FAC: 0 (A)
3		Total Number of Dominant Species
		Across All Strata: 1 (B)
=Tot: Sapling/Shrub Stratum (Plot size: )		Percent of Dominant Species That Are OBL, FACW, or FAC:  0.0% (A/B)
1		Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3		OBL species0 x 1 =0
		FACW species 0 x 2 = 0
5		FAC species 0 x 3 = 0  FACU species 100 x 4 = 400
Herb Stratum (Plot size: 5ft )	-20 SECA-00-0-1	UPL species 0 x 5 = 0
		Column Totals: 100 (A) 400 (B)
2. Trifolium pratense 5	No FACU	Prevalence Index = B/A = 4.00
3.		
4		Hydrophytic Vegetation Indicators:
5		1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
7.		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)
Woody Vine Stratum (Plot size:)		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		Hydrophytic
2=Tot:		Vegetation           Present?         Yes         No _ X
Remarks: (Include photo numbers here or on a separate sheet.)		
Community Type: developed land HGM Type: N/A; mown regularly	; hydrophytic vegetation	n is not present.

APPENDIX L L-199 NOVEMBER 2022

epth Matrix	Redox Features		
nches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc	Texture	Remarks
0-7 10YR 3/1 100		Loamy/Clayey	
		- 1	
		_	
		-	
ype: C=Concentration, D=Depletion, RM=	Reduced Matrix, MS=Masked Sand Grain		: PL=Pore Lining, M=Matrix.
dric Soil Indicators: Histosol (A1)	Sandy Gleyed Matrix (S4)		rs for Problematic Hydric Soils <sup>3</sup> : st Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	<del></del> -	Manganese Masses (F12)
Black Histic (A3)	Stripped Matrix (S6)	<del></del>	Parent Material (F21)
Hydrogen Sulfide (A4)	Dark Surface (S7)		Shallow Dark Surface (F22)
Stratified Layers (A5)	Loamy Mucky Mineral (F1)		r (Explain in Remarks)
2 cm Muck (A10)	Loamy Gleyed Matrix (F2)	_	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> Indicator	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetla	and hydrology must be present,
5 cm Mucky Peat or Peat (S3)	Redox Depressions (F8)	unles	ss disturbed or problematic.
strictive Layer (if observed):			
Type: gravel and pebbles			
	rel and pebbles present. Hydric soils are n	Hydric Soil Present ot present. Does not me	and and an analy and a
emarks: oblematic soil with restrictive layer of grav	rel and pebbles present. Hydric soils are n	and second recommends processing	and and and a
marks: oblematic soil with restrictive layer of grav	rel and pebbles present. Hydric soils are n	and second recommends processing	and and and a
marks:  oblematic soil with restrictive layer of grave  DROLOGY  etland Hydrology Indicators:		ot present. Does not me	et hydric soils criteria.
marks: oblematic soil with restrictive layer of grav  DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is requi	red: check all that apply)	ot present. Does not me	et hydric soils criteria.
marks: oblematic soil with restrictive layer of grav  DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1)	red: check all that apply)Water-Stained Leaves (B9)	ot present. Does not me Seconda	et hydric soils criteria.  Ty Indicators (minimum of two requires Soil Cracks (B6)
marks:  blematic soil with restrictive layer of grave  DROLOGY  etland Hydrology Indicators:  mary Indicators (minimum of one is requi	red: check all that apply)	ot present. Does not me Seconda Surfa	et hydric soils criteria.
marks: bblematic soil with restrictive layer of grave processing the process of t	red: check all that apply)Water-Stained Leaves (B9)Aquatic Fauna (B13)	ot present. Does not me Seconda Surfa Drair Dry-3	et hydric soils criteria.  Ty Indicators (minimum of two requires Soil Cracks (B6) lage Patterns (B10)
marks: bblematic soil with restrictive layer of grave  DROLOGY estland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3)	red: check all that apply) Water-Stained Leaves (B9)Aquatic Fauna (B13)True Aquatic Plants (B14)	ot present. Does not me  Seconda Surfe Drair Dry-s Cray	ry Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8)
marks: bblematic soil with restrictive layer of grave  DROLOGY  etland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3)  Water Marks (B1)	red: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)	Seconda Surfa Drair Dry-S Cray Roots (C3) Satu	ry Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8)
marks: bblematic soil with restrictive layer of grave  DROLOGY  btland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3)  Water Marks (B1) Sediment Deposits (B2)	red: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living	Seconda Surfa Drair Dry-S Cray Roots (C3) Satu	ry Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C
marks: oblematic soil with restrictive layer of grave  DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	red: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living Presence of Reduced Iron (C4)	Seconda Surfa Drair Dry-3 Cray Roots (C3) Satu Stun Geor	ry Indicators (minimum of two requires Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cated or Stressed Plants (D1)
DROLOGY  etland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	red: check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled State (C7) Gauge or Well Data (D9)	Seconda Surfa Drair Dry-3 Cray Roots (C3) Satu Stun Geor	ry Indicators (minimum of two requires Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cated or Stressed Plants (D1) morphic Position (D2)
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DROLOGY  Etland Hydrology Indicators: mary Indicators (minimum of one is requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B	red: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled State (C7)  Gauge or Well Data (D9)  Other (Explain in Remarks)	Seconda Surfa Drair Dry-3 Cray Roots (C3) Satu Stun Geor	ry Indicators (minimum of two requires Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cated or Stressed Plants (D1) morphic Position (D2)
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Properties of the content of the con	red: check all that apply)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  True Aquatic Plants (B14)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Stain Thin Muck Surface (C7)  Gauge or Well Data (D9)  Other (Explain in Remarks)  No X Depth (inches):  No X Depth (inches):	Seconda Surfa Drair Dry-S Cray Roots (C3) Satu Stun Stun FAC  Wetland Hydrolog	ry Indicators (minimum of two requace Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C) led or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)