

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/22/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-60
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? mown; ruts

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				on south perimeter road near Hwy 4/22 End - to slope area w/ rutting from mowers
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - standing water - redox dark surface - mower ruts contain standing water - have soil due to water - very disturbed by ruts
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				Airs 12:30
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.) Depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/22/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: 24-5
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:

NWI classification: PEN

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed?

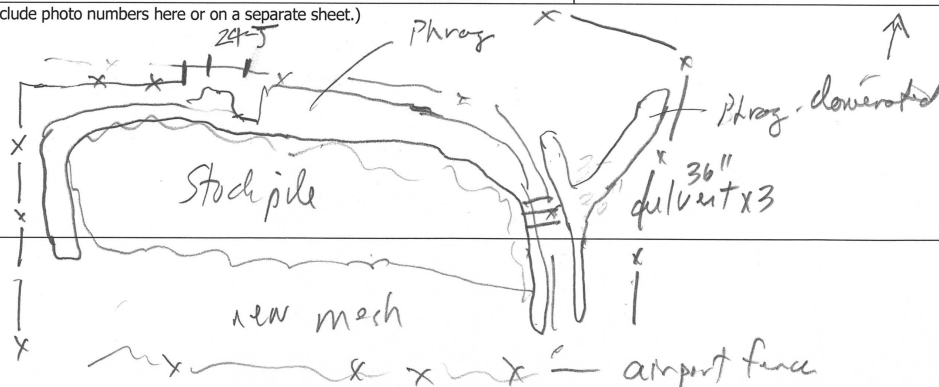
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

along base of stockpile; likely
soil deposition in area

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Gate 24-5 Inside security fence Upper Express Drive - Standing water and stagnant mud near culverts
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Depleted (7/1) - Depleted (6/1) 5 inches over 7/1 + 5/6 redox - Redox dark surface near culvert
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- 11 East - - old house site w/ foundation, concrete steps, maybe a cistern or septic tank - mostly buckthorn, some dead standing cottonwoods, birch elders - too dry? Pics 3:45
Herb Stratum				
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Hordeum jubatum</i>	X		FAC	
3. <i>Solidago sempervirens</i>			FACW	
4. <i>Phalaris arundinacea</i>			FACW	
5. <i>Lythrum salicaria</i>			OBL	
6.				
7.				
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/22/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-62
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Express way near fence side
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum			= Total Cover	Other Notes - cracked soils - water stained leaves - Depleted matrix (F3) - Depleted Below (A11) - Bare soils in places - Drainage patterns - Crayfish burrows
1.				
2.				
3.				
4.				
Herb Stratum			= Total Cover	- Mix of veg but obvious hydrology and soils - - Cottonwood - water not nearby but water in boundary
1.				
2.			FACW	
3.			ORSL	
4.			FACW	
5.			FAC	
6.				
7.				
8.			FAC	
9.				
10.			FACU	
11.			FACU	
12.				
Wood Vine Stratum			= Total Cover	Pics 5:15
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/23
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-63
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				near y3
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes F6 soils depressional, ruts
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				
1. Echinochloa crus galli		Y	FACW	
2. Polygonum pennsylvanicum		N	FACW	
3. Hordeum jubatum		N	FAC	
4. Glyceria striata		Y	DBI	
5. Trifolium repens		Y	FACU	
6.				
7.				
8.				
9.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

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

wetland due to rutting; water accumulate due to geomorphic position; fac-neutral

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/22
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-04
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? Area mmm

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				near Y3
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. Eleocharis obtusa		Y	OBL	
2. Hordeum jubatum		N	FAC	
3. Cyperus esculentus?		N		
4. Echinochloa crus galli		N	FAC	
5. Polygonum pennsylvanicum		N	FAC	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	Pix 9100a
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
hydrology due to geomorphic position, depressional				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/23
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-65
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown, ruts

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				near ^{sub} building w/ orange/white tower #072
2.				
3.				
4.				
5.				
= Total Cover				Other Notes geomorphic position depressional ruts depleted matrix F3
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Echinochloa crus galli</i>		Y	FACW	
2. <i>Eleocharis obtusa</i>		Y	OBL	
3. <i>Cyperus esculentus</i>			FACW	
4. <i>Glyceria striata</i>		N	OBL	
5.				return to delineate all
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				pix @ 9:40am
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) some bare soil in ruts large wetland that continues South, then east(?)				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 5/23
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE-19-66
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. CM Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☐, or Hydrology ☐ significantly disturbed? *yes mown*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>N side of bldg #072</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>depressional, ruts</i> <i>geomorphic position</i> <i>F3</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	<i>Pix@ 9:58</i>
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

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

patchy as move away from ruts
Veg path has change in color

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/23
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-67 N/C
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

area mown + significant rutting
3 part ditch

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				ditch along snow road/ service road
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes F6, F3, A11 present clay standing water, nts rip rap @ culverts geomorphic position - Fac some side culverts; C+S found multi mals unknown in ditch; not flowering yet depression
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Solidago sempervirens</i> ? or <i>imm. unknown</i>		N	FAW	
2. <i>Hordeum jubatum</i>		N	FAC	
3. <i>Phragmites australis</i>		N	FAW	
4. <i>Bolboschoenus fluviatilis</i>		Y	QBL	
5. <i>Suaeda calce</i>		Y	FAW	
6. <i>Atriplex</i>		N		
7. <i>Echinochloa crus galli</i>		N	FAW	
8.				
9. unknown grass <i>raynea</i>				
10. <i>Central</i>				
11. <i>Phragmites australis</i>		N		
12. <i>Suaeda calce</i>		Y		
			= Total Cover	
Wood Vine Stratum				
1. <i>Hordeum jubatum</i>		N	FAC	
2. <i>Polygonum pennsylvanicum</i>		N	FAW	
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Solidago sempervirens</i>	Y		FAW	
<i>Bolboschoenus fluviatilis</i>	Y		FAW	
<i>Echinochloa crus galli</i>	N		FAC	
<i>Hordeum jubatum</i>	N			
<i>Atriplex</i>	N			

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/23
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-08
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc., CM Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

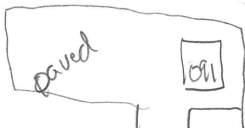
Are Vegetation ☒, Soil ☐, or Hydrology ☐ significantly disturbed? area mown

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				near + wrapping around bldg #091
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	F3, F6, all soils
Herb Stratum				
1.		<u>Juncus nodosus</u>	<u>Y</u> <u>OBL</u>	
2.		<u>Carex stipata</u>	<u>Y</u> <u>OBL</u>	
3.		<u>RCE</u>	<u>N</u> <u>FACW</u>	
4.		<u>Eleocharis palustris</u>	<u>Y</u> <u>FACW</u>	
5.		<u>Echinochloa crus galli</u>	<u>N</u> <u>FACW</u>	
6.		<u>Cyperus squarrosus</u>	<u>N</u> <u>OBL</u>	
7.		<u>Panicum pennsylvanicum</u>	<u>N</u> <u>FACW</u>	
8.		<u>Cyperus esculentus</u>	<u>N</u> <u>FACW</u>	
9.		<u>Glyceria striata</u>	<u>N</u> <u>OBL</u>	
10.				
11.				
12.				
			= Total Cover	pix @ 11:41 am
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)
 geomorphic position, depressional swale, Fac neutral
 nuts



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE-69
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. CBM Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				by Touhy Rd - moved around edge
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				cracked soils, depression, geomorphic position algae mats
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				F6 some construction debris @ edge
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Cyperus esculentus</i>			FAW	
3. <i>Echinochloa crus galli</i>			FAW	
4. <i>Phragmites australis</i>			FAW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				Need Pirs
1.				
2.				
			= Total Cover	

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

Typha *Typha* N↑

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/26/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-70
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: and 71
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown; constructed ditch
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

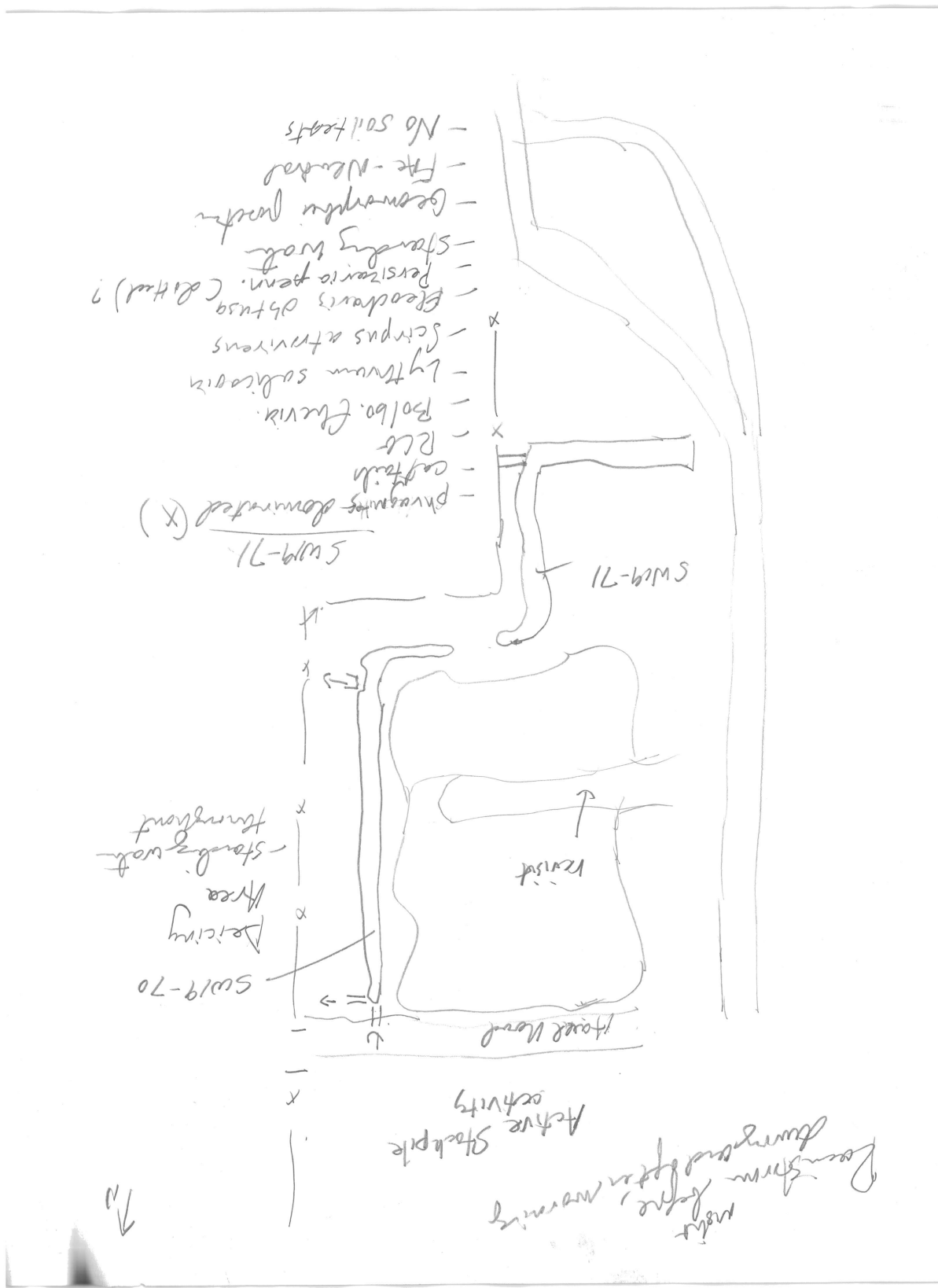
ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Butt 15B - Tiny AB open area
2.				
3.				
4.				
5.				
= Total Cover				Other Notes 2 culverts - 24" flows south under construction band road - 24" flows east under perimeter road to airport drainage
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- maintained ditch next to large stockpile - Ditch flows north - wraps around stockpile to south then east - culverts in flowing
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Lythrum salicaria</i>			OBL	
3. <i>Juncus nodosus</i>			OBL	
4. <i>Bolboschoenus flexuosus</i>			OBL	
5. <i>Echinochloa crus-galli</i>			FACW	
6. <i>Echinochloa muricata</i>			OBL	
7. <i>Cyperus esculentus</i>			FACW	
8. <i>Schoenoplectus tabernaemontana</i>	X		OBL	
9. <i>Sagittaria purpurea</i>			OBL	
10. <i>Persicaria lapathifolium</i>			FACW	
= Total Cover				Pres 12:05 ↑ N
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

Depression

→ see back for map



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: 5019-72
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

mower cuts; are mown regularly

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Between Twy W & Runy 10R in large field area.</i>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <i>- deep inlet at east end</i> <i>- Redox clay surface</i> <i>- disconnected from inlet</i> <i>- mower cuts have created a slight down / shelf to hold water</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<i>- small area w/ poor drainage</i> <i>- geomorphic profile</i> <i>- Fdc - Neutral</i> <i>- heavy vegetation (1.4") right before</i>
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FACU	
2. <i>Cyperus pectenthus</i>			FACU	
3. <i>Sphocarpus pungens</i>	X		OBS	
4. <i>Trifolium pratense</i>			FACU	
5.				
6.				
7.				
8.				
9.				
10.				
= Total Cover				<i>- standing water</i>
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-73
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*seen more regularly; common
at field visit. some disturbance
to soil - open bare area*

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Near concrete W of 11th @ south end of Snarelin impoundment
2.				
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes standing water - not disconnected from east end of wetland - Poor drainage of two
1.				
2.				
3.				
4.				
= Total Cover				
Herb Stratum				Accumulation not before (1.4") - Dead on dead surface - Very shallow water - at east end, ground slightly higher, traps water
1. <i>Echinochloa crus-galli</i>	X		FACW	
2. <i>Pennisetum maculatum</i>	X		FACW	
3. <i>Calamagrostis</i>			FAC	
4. <i>Sagittaria arifolia</i>			FACW	
5. <i>Cyperus aculeatus</i>			FAC	
6. <i>Hordeum jubatum</i>			FAC	
7.				
8.				
9.				
10.				
11.				
= Total Cover				
Wood Vine Stratum				Picos 9:10
1.				
2.				
= Total Cover				

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

Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-74
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEUM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Ditch located near Leidy road along perimeter road - across from SW19-70 - 36" culvert at north end
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - flows north. - riprap around culvert, also some concrete logs
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- flowing water - geomorphic position - FAC Neutral - small input culvert from west side flows (12") east? - along east side of perimeter road.
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Phalaris arvensis</i>			FACW	
3. <i>Cyperus sp.</i>			OBL	
4. <i>Panicum capillare</i>			OBL	
5. <i>Schizanthus luteus</i>	X		OBL	
6. <i>Juncus nodosus</i>			OBL	
7. <i>Polypodium virginicum</i>			OBL	
8. <i>Paspalum conjugatum</i>			FACW	
9. <i>Scirpus atrovirens</i>			OBL	
10. <i>Alisma subcordatum</i>			OBL	
11. <i>Cyperus esculentus</i>			FACW	
12.				
= Total Cover				Dics 9:55 am
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-75
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*Rainstorm night/day before (1.4")
Ditch construction*

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Ditch wetland Flowing water
2.				
3.				
4.				
5.				
= Total Cover				Other Notes 48" culvert at east end which carries flow to north Ditch at base of stockpile - wraps around - generally ditch flows to east
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- from 8-12 ft wide - steep sides on south - more gradual on north - standing water in places - 2-24" input side culvert from south
Herb Stratum				
1. <i>Cyperus esculentus</i>	X		FACW	
2. <i>Lythrum hyssopifolium</i>			FACW	
3. <i>Sparganium angustifolium</i>	X		OBL	
4. <i>Lythrum salicaria</i>			OBL	
5. <i>Typha angustifolia</i>	X		OBL	
6. <i>Echinochloa crus-galli</i>			FACW	
7. <i>Alisma subcordatum</i>			OBL	
8. <i>Sagittaria arifolia</i>			OBL	
9. <i>Echinochloa muricata</i>			OBL	
10. <i>Echinochloa obtusa</i>			OBL	
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

Depression

stockpile - veg.

NW19-75

perimeter rd 2-24"

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW/9-76
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed? minor disturbance

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? some

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Ditch wetland
2.				- SW of Denton Area w/ willow
3.				tree
4.				- Along side temporary road
5.				
= Total Cover				Other Notes - shallow swale - unknown - appears to flow SE
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- glaucous position - standing water - under road culvert drains into this from north - appears to be a closed system? - North culvert connects to rip-rapped ditch w/ r, Reensbron (1.4") deep before
Herb Stratum				
1. <i>Juncus nodosus</i>	X		OBL	
2. <i>Typha angustifolia</i>			OBL	
3. <i>Scheuchzeria palustris</i>	X		OBL	
4. <i>Scirpus atrovirens</i>			OBL	
5. <i>Cyperus eriochloides</i>			FACW	
6. <i>Eleocharis obnata</i>	X		OBL	
7. <i>Lythrum Salicaria</i>			OBL	
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

lythrum
 includes a small area connected by culvert to west -
 - rip rap lined
 - phragmites + typha terminated
 - steep-sided
 - depleted matrix
 - saturation
 appears to be a closed system?
 North culvert connects to rip-rapped ditch w/ r, Reensbron (1.4") deep before
 includes a small area connected by culvert to west -
 - rip rap lined
 - phragmites + typha terminated
 - steep-sided
 - depleted matrix
 - saturation

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
Applicant/Owner: City of Chicago State: Illinois Wetland #: NWI-78
Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? *area mown, soils disturbed due to mowing out; stockpile activity*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION: Use scientific names of plants

ADDITIONAL VEGETATION - Use scientific names of plants

			Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
Tree Stratum						located at base of stockpile which dams water inhibits drainage in open fields
1.						
2.						
3.						
4.						
5.						
Sapling/Shrub Stratum				= Total Cover		Other Notes - Standing water - Saturation - multilobed - Depleted marsh and All - Very gravelly and mixed.
1.						
2.						
3.						
4.						
5.						
Herb Stratum				= Total Cover		Geomorphic position - FAC Neutral
1. <i>Echinochloa obtusa</i>			X		OBL	
2. <i>Typha angustifolia</i>					OBL	
3. <i>Scirpus atrovirens</i>						
4. <i>RCG</i>			X			
5. <i>Rumex crispus</i>					FAC	
6. <i>Pythrum salicaria</i>					OBL	
7.						
8.						
9.						
10.						
11.						
12.						
				= Total Cover		
Wood Vine Stratum						Pics 6:00
1.						
2.						
				= Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)						
depression						

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 01/29/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-79
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: DFM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

area mown; ditch constructed

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Drainage swale near west end 9R</i> <i>- swallow swale</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>- grassy plain point</i> <i>- Depleted matrix</i> <i>- along Tary water</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.			<i>FACW</i>	
2.			<i>OBL</i>	
3.			<i>FAC</i>	
4.			<i>FACW</i>	
5.			<i>OBL</i>	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				<i>Pics 8:15</i>
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depression</i> <i>Wet meadow / Ditch wetland</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/28/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE/9-20
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

in RSA, mown frequently

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Rwy 9R RSA, north side</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>F3</i> <i>Shallow basin</i> <i>FAC Neutral</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				
1. <i>Cyperus exaltatus</i>	<i>X</i>		<i>FACW</i>	
2. <i>Eleocharis acicularis</i>	<i>X</i>		<i>FACW</i>	
3. <i>Pennisetum maculatum</i>			<i>FAC</i>	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
			= Total Cover	<i>Pic 9:10</i>
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 01/28/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW9-81
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? warm, rut

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>Rwy 9R, RSA, north</u>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <u>Sticky water</u> <u>F3, A11</u> <u>Shallow Well</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				
Herb Stratum				
1. <u>Scirpus atrovirens</u>	<u>X</u>		<u>OBL</u>	
2. <u>Typha nodosa</u>			<u>OBL</u>	
3. <u>Paspalum paspalodes</u>			<u>FACW</u>	
4. <u>Bidens frondosa</u>			<u>FAC</u>	
5. <u>Carex stipitata?</u>	<u>X</u>		<u>OBL</u>	
6. <u>Cyperus aculeatus</u>			<u>FACW</u>	
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				<u>Pics 9:30?</u>
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/28/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NA/9-82
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

main, construction

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Near Twp R connector Rwy 9R RSA</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>FS, A11 Geomorphic profile mower ruts ditch at east end drainage off of Twp connector</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				
1. <i>Cyperus scaber</i>	X		FACW	
2. <i>Paspalum maculatum</i>			FACW	
3. <i>Echinochloa crus-galli</i>	X		FACW	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
			= Total Cover	<i>Pics 9-45</i>
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

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

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/28/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW/9-83
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

no wet ruts; area mown regularly

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>9R - 16 remaining near?</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>prop emb on east end</i> <i>FG</i> <i>Geomys pointum</i> <i>sheelov swale</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FACW	
2. <i>Cyperus eriochloides</i>	X		FACW	
3. <i>Juncus nodosus</i>			OBL	
4. <i>Juncus + sp.</i>			FAW	
5. <i>Echinochloa sp.</i>			OBL	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics 9:50</i>
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>depression</i>				

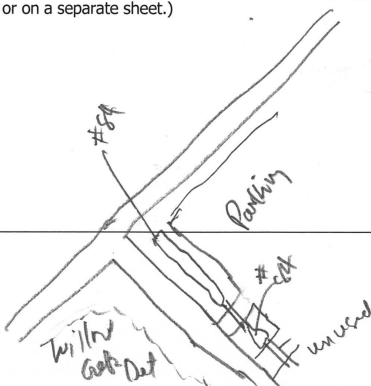
Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/27/19
Applicant/Owner: City of Chicago State: Illinois Wetland #: NWA-94
Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
NWI classification: PEM

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed? *at base of pavilion lot slope;*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? *gravel deposition in places*

		Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
Tree Stratum					- 2 sections, separated by driveway, connected by 24" culvert
1.					
2.					
3.					
4.					
5.					
		= Total Cover			Other Notes - Next to willow weed, Detection area - not connected. - Flows to south - 24" culvert at south end - Unusual driveway at south end
Sapling/Shrub Stratum					
1.					
2.					
3.					
4.					
5.					
		= Total Cover			- Near United Airlines Admin Office
Herb Stratum					
1. <i>Phragmites australis</i>		X		FTCW	
2. <i>Solidago canadensis</i>				FTCW	
3. <i>Lythrum salicaria</i>				OBL	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
		= Total Cover			
Wood Vine Stratum					
1.					Pics 2:30p
2.					
		= Total Cover			

Depression



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/29/19
Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-95
Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? *monitored regularly*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

		Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
Tree Stratum					Near concourse L, A21
1.					
2.					
3.					
4.					
5.					
Sapling/Shrub Stratum				= Total Cover	Other Notes - Red on dark surface - swale - geomorphic position - FAC-Neutral - Drop inlet at north end
1.					
2.					
3.					
4.					
5.					
Herb Stratum				= Total Cover	
1. <i>Cyperus esculentus</i>		X		FAEW	
2. <i>Echinochloa crus-galli</i>				FAEW	
3. <i>Beard's Speedwell</i>				FAEW	
4. <i>(Diplazium fusca)</i>				OBL	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
				= Total Cover	
Wood Vine Stratum					Pits ~ 9:00 am
1.					
2.					
				= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)					
Depression					

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/29/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEM-86
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

area mown; construction of pavement

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Near A21 + Gate L24
2.				- Twp B
3.				-
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- shallow swale
2.				- verry from pavement
3.				- no outlet
4.				- Depleted matrix
5.				- Geomorphin profile
			= Total Cover	- FAC - Neutral
Herb Stratum				
1. <i>Cyperus esculentus</i>	X		FACW	
2. <i>Beardcl spirotop</i>	X		FACW	
3. <i>Echinoclon crus-galli</i>			FACW	
4. <i>Persicaria sp</i>			FACW	
5.				- Doesn't connect to SE19-85
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	Pics 9:05
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/29/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-87
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

Soil disturbance from truck activity
 Bare soil over ~40%

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Near D1 Low area in corner of infield area
2.				
3.				
4.				
5.				
= Total Cover				Other Notes Drop in bit at wet end Creeled soils Geomorphic position Depleted Matrix
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FACW	
2. <i>Cyperus esculentus</i>			FACW	
3. <i>Sitona pennsylvanica</i>			FAC	
4. <i>Atriplex patula</i>			FACW	
5. <i>Persicaria maculosa</i>			FACW	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				Pres 10:00
1.				
2.				
= Total Cover				

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

Bare soil over ~40%
 Construction of shed close by has likely changed grading & topo
 to allow water to collect