

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-34
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. Connor 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?

mown occasionally, swale constrains

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- 36" arch culvert at west end - appears blocked or non-permeating - check debris along
2.				
3.				
4.				
5.				
= Total Cover				Other Notes ditch to east - muck (A10) at culvert but further east no hydric soils - geomorphic point bar - standing water near culvert
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Boundary to slope - veg continues east but no soils present - muck soil present no redox/duplexed Pics 5:10pm
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Scheuchzeria palustris</i>	X		OBL	
3. <i>Eleocharis obtusa</i>			OBL	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
= Total Cover				
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: 8/14/19
Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-35
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?

known, soil disturbance due to grading + construction of RST + Oak construction

ADDITIONAL VEGETATION - Use scientific names of plants

	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
Tree Stratum				
1.				
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum	= Total Cover			Other Notes
1.				- Barely vegetated surface
2.				- Crooked soil
3.				- no outlet
4.				- standing water in a small pool @ south end.
5.				- mostly bare
Herb Stratum	= Total Cover			- F3 and F6
1. Typha angustifolia	X		OBL	
2. Phragmites australis	X		FAC	
3. Solidago sempervivens			FACW	
4. Schoenoplectus tabernaemontani			OBL	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
Wood Vine Stratum	= Total Cover			Pics 8-95
1.				
2.				
	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.) <i>Depression</i>				

Pics 10:00 am

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-36
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. COWAN 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? Swale construction; mown regularly

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.				- large swale on west side Taxiway 2
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Geomorphic position - FAC - Neutral - Mower cuts collect runoff - Depleted matrix - soils disturbed - large piece found at depth
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Presence of wetland veg - Hydric + Depleted matrix
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Juncus nodosus</i>			OBL	
3. <i>Agrostis stolon.</i>			FACW	
4. <i>Echinodora cnes-galli</i>			FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 3/14/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-37
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONV 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?

mown regularly; saddle grading + construction; mower ruts

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
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				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depression</i>				

Other Notes

*- Dephited matrix + fill
 - standing water at 36" culvert
 - Rip rap lined culvert
 - Boundary to slope
 - Saturated soils elsewhere
 - Rain storm previous night*

Pics 10:40

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-38
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. Connor 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; mower ruts

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- 106 NSA near Bldg 34
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes - Meets F6 - 30" culvert @ west end - Erosion on hillslope above contributing - swale run E-W - some bare soil in ruts
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				Pies 11:15
1. <i>Typha angustifolia</i>		X	OBL	
2. <i>Eleocharis obtusa</i>		X	OBL	
3. <i>Phragmites australis</i>			FACW	
4. <i>Taraxacum officinale</i>			FAC	
5. <i>Schizanthus pteris</i>			OBL	
6. <i>Scirpus atrovirens</i>			OBL	
7.				
8.				
9.				
10.				
11.				
			= Total Cover	
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: 9/14/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-40
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. Connor 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?

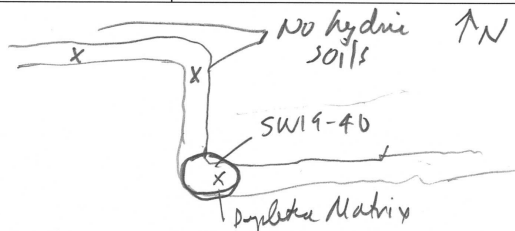
area mown regularly; mowers run

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Swale North side 10L PSA
2.				
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes - Dephited Matrix - Shallow basin collects water from east; mowers have disturbed soils to create pockets to collect water - Bare soil over much of basin - Geomorph position - FAC - Neutral - Boundary toeslope - Slight rise on west end PCS 2:50 pm
1.				
2.				
3.				
4.				
= Total Cover				
Herb Stratum				- Bare soil over much of basin - Geomorph position - FAC - Neutral - Boundary toeslope - Slight rise on west end PCS 2:50 pm
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Alisma subcordatum</i>	X		FAC	
3. <i>Hordeum jubatum</i>			OBL	
4. <i>Sagittaria latifolia</i>			OBL	
5. <i>Eleocharis obtusa</i>	X		OBL	
6.				
7.				
8.				
9.				
10.				
11.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

HGM = Depression
 X = Soils check
 - Soils disturbed/anixed but
 no hydric
 - excluded rest of swale
 Based on lack of hydric soils
 indicators



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-41
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. CORVR Section, Township, Range:
 NWI classification: REM

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 regularly; soils

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- South Denton pond
2.				- Shallow swale
3.				- check dam @ east end
4.				- large deep outlet further east
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1.				- crayfish burrow.
2.				- geophagus portion
3.				- FAC - Neutral
4.				- 2" depleted matrix
5.				staring w/in top 4" (i-3)
= Total Cover				- no entry culvert
Herb Stratum				
1. <i>Lythrum salicaria</i>	X		OBL	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Echinochloa crus-galli</i>	X		FACW	
4. <i>Typha angustifolia</i>			OBL	
5. <i>Phragmites australis</i>	X		FACW	
6. <i>Persicaria lapathifolia</i>			OBL	
7. <i>Verbena hastata</i>			FACW	
8. <i>Persicaria penn.</i>			FACW	
9. <i>Cyperus esculentus</i>			FACW	
10. <i>Apocynum cannabinum</i>			FAC	
11.				
12.				
= Total Cover				Pics 4:10 pm
Wood Vine Stratum				Did not include drop
1.				inlet to east as separated
2.				by upland veg.
= Total Cover				- crown vetch, bindweed
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: 8/15/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-42
 Investigator(s): Brauna Hartzell, Kim Shannen, Mead & Hunt, Inc Center 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, mowed 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.				- Swale - 10C west of tunnel
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - standing water - drop inlet blocked/covered - depleted matrix 5/1, 5/2 - Boundary at top of on north; south more gradual - D's veg.
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				Pics 9:30
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Juncus effusus</i>	X		OBL	
3. <i>Juncus nodosus</i>			OBL	
4. <i>Eleocharis obtusa</i>	X		OBL	
5. <i>Centaurium pulchellum</i>			FACU	
6.				
7.				
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) <u>Home depression</u>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEP-43
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Cenar 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? mower, 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.				<u>Neer Hay N</u>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <u>FAC Neutral</u> <u>Soil cracks</u> <u>Depleted matrix</u> <u>mower ruts collect water</u> <u>primarily facultative</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<u>Pigs 10-45</u>
Herb Stratum				
1. <u>Pennisetum</u>			<u>FACW</u>	
2. <u>Cyperus esculentus</u>	<u>X</u>		<u>FACW</u>	
3. <u>Juncus tenuis</u>	<u>X</u>		<u>FAC</u>	
4. <u>Hordeum jubatum</u>	<u>X</u>		<u>FAC</u>	
5.				
6.				
7.				
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-44
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: Cover
 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? mower cuts significantly disturbed:

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? no to little veg

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>- Below South Runway Rd + 10L (@ 4)</u>
2.				
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes <u>- Meets F6, F3</u> <u>- Bare vegetated</u> <u>- standing water</u> <u>- 6" drain from runway at north side</u> <u>- Culvert under road drains south</u> <u>- silt cover in place,</u>
1.				
2.				
3.				
4.				
= Total Cover				
Herb Stratum				<u>- rip rap</u> <u>- cracked soils</u> <u>Dcs 11:30</u>
1. <u>Typha angustifolia</u>			<u>OBL</u>	
2. <u>Solidago sempervirens</u>			<u>FACW</u>	
3. <u>Hordeum jubatum</u>			<u>FAC</u>	
4. <u>Phragmites australis</u>			<u>FACW</u>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) <u>depression</u>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 0/15/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 19-45
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor 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.				Near Demaray 10R + Bldg 012 DR sign = 6
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Flows east - 24" culvert @ west end w/ rip rap & grate - Head cut off of road on south side of culvert - Standing water at culvert and in ruts
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Depleted matrix - matching culvert on west side, clay, no veg
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Belvischraenus fluviatilis</i>	X		OBL	
3. <i>Typha angustifolia</i>			OBL	
4. <i>Lythrum salicaria</i>			OBL	
5. <i>Phragmites australis</i>			FACW	
6. <i>Hordeum jubatum</i>			FAC	
7.				
8.				
9.				
= Total Cover				
Wood Vine Stratum				R2S 11-45
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) <u>Hem = depression</u>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-47
 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, ruts and altered hydro regularly

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Swale near Sag near the intersection of private Rd
2.				
3.				
4.				
5.				
			= Total Cover	- Depleted matrix (mud)
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	Other Notes - deep inlet near road - tractor ruts hold water - very dry in places but some standing water in ruts.
Herb Stratum				
1. <i>Andropogon furcatus</i>	X		FAC	
2. <i>Elymus canadensis</i>	X		FACW	
3.				
4.				- Roadside consists of gravel shoulder - Bnd at toeslope on road side
5.				
6.				
7.				
8.				
9.				- S's veg on infield side - Geomphs present - slight swale - ven off from infield gets cleaned along road and in adequate
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				- drainage - FAC - Neutral
1.				
2.				
			= Total Cover	

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

H&M = Depression

Pics 3:30

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/16/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-49
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. Cover 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 regularly, mower ruts

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Near Bldg 072 & gravel road on south perimeter
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Geomorphic position - FAE Neutral - Depleted matrix + Redox Patch Surface - Coarctate burrows - Shallow basin bunched on south by perimeter road and east by gravel drive
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- 8" culvert under gravel road - water collects in mower ruts - netting not significant (vegetated) - Broadway - A's in veg. & slight slope increase Pics 8:50
Herb Stratum				
1. <i>Elymus canadensis</i>	X		OBL	
2. <i>R. C.</i>	X		FACW	
3. <i>Typha angustifolia</i>			OBL	
4. <i>Echinochloa crus-galli</i>			FACW	
5. <i>Scheuchzeria palustris</i>			OBL	
6. <i>Atriplex patula</i>			FACW	
7. <i>Hordeum jubatum</i>	X		FAE	
8. <i>Solidago sempervirens</i>			FACW	
9.				
10.				
= Total Cover				
Wood Vine Stratum				Pics 8:50
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) Hom = depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/16/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-50
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONVR 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, mower cuts

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.				-swale from north drains to culvert on road -gravel shoulder on road -riprap around driveway culvert
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes -standing water at driveway culvert and road culvert -riprap reinforced. -algae material in water -Phrag. in standing water -swale drains to this area; dominated by spike reed
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				- connects to SE19-49 - mower cuts significant - at southern end of swale Pics 9:15
1. <i>Phragmites australis</i>			FAEW	
2. <i>Sagittaria arifolia</i>			FAW	
3. <i>Arundo donax</i>	X		FAW	
4. <i>Polypodium perfoliatum</i>	X		OBL	
5. <i>Sagittaria arifolia</i>			OBL	
6. <i>Elymus canadensis</i>	X		OAL	
7. <i>Echinochloa crus-galli</i>			FAEW	
8. <i>Atriplex patula</i>			FAW	
9.				
10.				
11.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

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

B 072 ☐ SE19-50 ☒ NW

SE19-49

Perimeter Rd

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 01/16/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEP-51
 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, mowed rub

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.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Juncus roemerianus</i>	X		FAC	
2. <i>Phragmites australis</i>			FACW	
3. <i>Sagittaria</i> (?)				
4. <i>Bolboschoenus flexuosus</i>	X		OBL	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depressa.</i>				

Other Notes

- Swale drains to culvert under driveway of Bldg 079
- expands out in low
- Shallow basin in 10' field
- Rich dark surface
- *Geomorphia punctata*
- Standing water in vats
- a lot of this wetland is FAC except for swale to culvert where more FACW to OBL species come in.
- vats significant; holding water, impeding drainage to culvert.
- Boundary A's in veg on
- Pits 9:50 west + north
- Swale tops for rest.

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/16/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-52
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor 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? mower ruts along edges

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 Grad Post #3 - swale along perimeter fence. - drain to a 24" culvert under localizer access
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes driveway - Culvert surrounded w/ rip rap - Ditch near culvert rip rap had covered by debris Soil composition - Standing water in ruts on east side - Cracked soils
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- saturation on east end - Culvert blocked by gravel - Redox soil surface - Geomorphia pointui - mower ruts on east side
Herb Stratum				
1.			FACW	
2.			OBL	
3.			FACW	
4.			OBL	
5.			OBL	
6.			FACW	
7.			FAC	
8.			OBL	
9.			FACW	
10.				
			= Total Cover	Pics 11:25
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)
14pm = depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/16/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-57
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor 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? mower ruts, bare soil, blocked culvert
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? under driveway

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>Near A122 Localizer Bldg 032</u>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <u>Soils very disturbed by rutting</u> <u>Culvert blocked</u> <u>Cracked soils</u> <u>geomorphic pattern</u> <u>Swale</u> <u>Stagnant water in rut near culvert.</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				Herb Stratum 1. <u><i>Typha angustifolia</i></u> <u>OAL</u> 2. <u><i>Sagittaria arifolia</i></u> <u>OAL</u> 3. <u><i>Echinocystis grisea</i></u> <u>FACW</u> 4. <u><i>Betula fluv.</i></u> <u>OAL</u> 5. <u><i>Persicaria pensylvanicum</i></u> <u>FACW</u> 6. <u><i>Rumex crispus</i></u> <u>FAC</u> 7. 8. 9. 10. 11. 12. = Total Cover
Herb Stratum				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
= Total Cover				Wood Vine Stratum 1. 2. = Total Cover
Wood Vine Stratum				
Remarks: (Include photo numbers here or on a separate sheet.)				<u>Res: 2:55</u>
<u>depression</u>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/21/2019
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 56
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:
 NWI classification: FEM

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.				Area 4, south of 10L near SW/SE boundary
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes
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				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)
 depleted matrix, standing H₂O, high water table
 saturation, no drain/culvert; depressional
 wet meadow community Area of disturbed / freshly planted seed to north

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/21
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 57
 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.				in P4 area on area 5 South of 10L near SW/SE boundary
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				depleted matrix - rain 8/20 - Large electrical box on surface and under grassy area which might be contributing to lack of drains and standing water
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinochloa crus-galli</i>		Y	FACW	
2. <i>Setaria pumila</i>		N	FAC	
3. <i>Polygonum pennsylvanicum</i>		Y	FACW	
4. <i>Juncus tenuis</i>		N	FAC	
5. <i>Lythrum salicaria</i>		N	OBL	
6. <i>Setaria pumila</i>		Y	FAC	
7. <i>Ambrosia artemisiifolia</i>		N	FACW	
8. <i>Scheuchzeria palustris</i>		Y	FACW	
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
vegetation = sprouting grass + bare soil w/ some patches of barnyard grass; bare soil = 50-55% in one area; standing H ₂ O large area within P4.				

WETLAND DETERMINATION SUPPLEMENTAL FORM

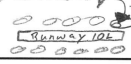
Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/20/2019
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 58
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: _____
 NWI classification: _____

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.				North of 10L in East grassy area west of the east end of the runway. 
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - standing water - F6 soils redox dk surface - mown area
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- rain 8/20 Hydro = Standing water, High water table, Saturation, Geomorphic, FAC-neutral
Herb Stratum				
1.		<i>Echinochloa crus galli</i>	Y FACW	
2.		<i>Cyperus esculentus</i>	Y FACW	
3.		<i>Setaria pumila</i>	X FAC	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

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

small wetland @ base of raised area w/ manhole lid; depressional
 - some rutting

wet meadow community type depression south of raised mound

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/21
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 59
 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.				10L/28R
2.				area P4
3.				SW corner
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1.				standing water due to clay lens
2.				F6
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. Echinochloa crusgalli		Y		
2. Polygonum pennsylvanicum		Y		
3. Eleocharis sp				rainbow 8/20
4.				
5.				
6.				
7.				
8. @ drain				1D OBL plant in H ₂ O
9. Echinochloa crusgalli		Y		- see photo
10. Setaria pumila		Y	FAC	water primrose?
11. Rumex crispus		N		
12. Cyperus esculentus		Y	FACW	
Lythrum salicaria				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

blocked drain causing hydrology surrounded on 2 of 3 sides by pavement graded toward clogged drain depressional, wet meadow

not to scale