

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 0/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-08  
 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?

*Some parts mown - area is mown regularly; mown ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Shallow swale in island west of Twy D - partially under construction - silt fence in construction area</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>Standing water in ruts</i> <i>Depleted matrix and All</i> <i>Geomorphic position</i> <i>FAC Neutral</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Panicum maculatum</i>	X		FACW	
4. <i>Phragmites australis</i>			FACW	
5. <i>Echinochloa crus-galli</i>			FACW	
6. <i>Cyperus esculentus</i>			FACW	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				<i>Pics 10:15</i>
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: 8/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-89  
 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 is mowed; mow 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.				Ditch - 24" culvert at east end - Near Batch plant, north
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - Shallow ditch - Standing water in ruts - Redox dead surface - flows east
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- Near AREFF#2
Herb Stratum				
1. <u>Typha angustifolia</u>	X		OBL	
2. <u>Phragmites australis</u>			FRW	
3. <u>Lythrum salicaria</u>			OBL	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
			= Total Cover	Pics 10:55
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: 8/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-90  
 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?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Shallow Swale between Twp & R
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Redox dark surface - Geomorphic position - FAC Neutral - Some bare soil due to Staking work - no work observed
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				FAC FACW OBL FAC FAC           Pres 2:50p
Herb Stratum				
1. <i>Echinocloa crus-galli</i>				
2. <i>RCG</i>				
3. <i>Diplocheilus fusca</i>				
4. <i>Poa pratensis</i>				
5. <i>Hordeum jubatum</i>				
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.)

*Diquemian*

## 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 #: 1W19-91  
 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? 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.				<u>Shallow swale draining to Twp #1 ditch</u>
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> <u>- flows to west from pavement</u> <u>- connects to ditch</u> <u>- rip rap at end</u> <u>- soil cracks</u> <u>- geomorphic position</u> <u>- mowed dead surface</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <u>Cyperus esculentus</u>	<u>X</u>		<u>FAW</u>	
2. <u>Juncus tenuis</u>	<u>X</u>		<u>FAC</u>	
3. <u>Echinochloa crus-galli</u>			<u>FAW</u>	
4. <u>Hordeum jubatum</u>			<u>FAC</u>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				<u>Pics 3:30</u>
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: 8/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-92  
 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 is mowed; ditch construction*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>North of 9R/BA and east of Romeo</i>
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				<b>Other Notes</b> <i>- shallow shallow</i> <i>- culvert at west end appears inactive</i> <i>- Redox dark surface</i> <i>- F6</i> <i>- Geomorphic position</i> <i>- FPC Neutral</i>
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				<i>- Large culvert flowing north with water standing but disconnected from swale</i>
1. <i>Phalaris arundinacea</i>	<i>X</i>		<i>FREQ</i>	
2. <i>Cyrtus sulcatus</i>			<i>ABL</i>	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics 4:55pm</i>
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: 9/30/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SA/19-93  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, 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?

*Stockpile Ditch @ base of pile  
constructed swale*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>along Stockpile outside west perimeter road</i>
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> <i>- Gleyed matrix</i> <i>- geomorphic position</i> <i>- FAC - Neutral</i> <i>- saturation in soil profile</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<i>disconnected from wetland further west</i>
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Sagittaria arifolia</i>	X		OBL	
3. <i>Lythrum salicaria</i>			OBL	
4. <i>Sparganium angustifolium</i>			OBL	
5. <i>Cyperus esculentus</i>			FAEW	
6. <i>Echinochloa crus-galli</i>	X		OBL	
7. <i>Echinochloa crus-galli</i>			FAEW	
8.				
9.				
10.				
= Total Cover				<i>Pics 11:45</i>
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Lepomis</i>				

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 2/50/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-94  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, 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? Swale construction

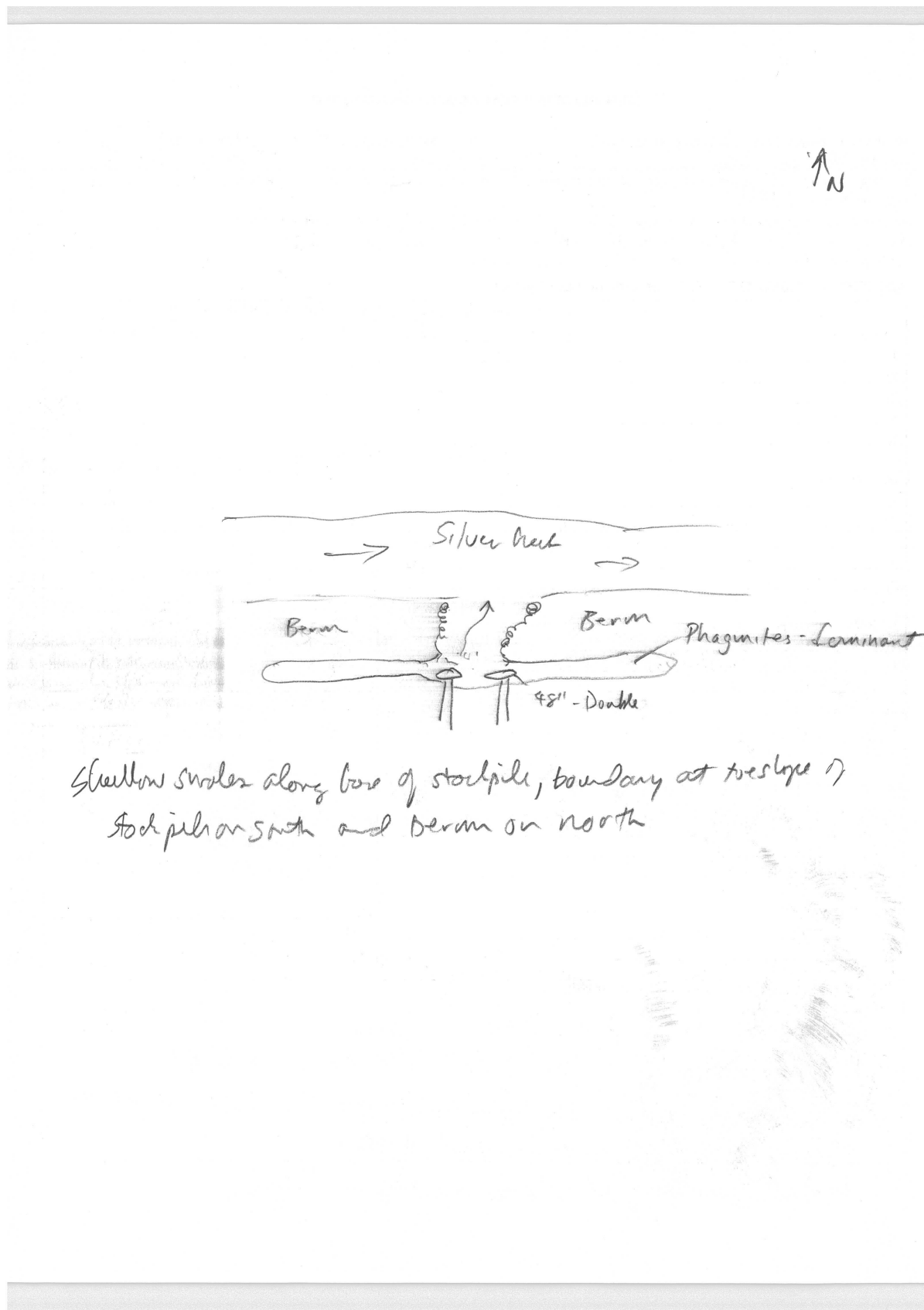
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>- Ditch associated w/ Silver Creek</u>
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> <u>West side - Depleted marshy</u> <u>East - Redox dark surface</u> <u>- geomorphic pointbar</u> <u>- FFA overland</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<u>Swale - east - dominated by Phragmites</u> <u>- gets some seepage from stockpile on east side</u> <u>- Primarily drainage swale from the two sides of the double culvert, along stockpile and berm for Silver Creek</u>
Herb Stratum <u>East</u>				
1.				
2.	<u>X</u>		<u>OBL</u>	
3.			<u>OBL</u>	
4.				
5.				
6.				
7.				
8.	<u>X</u>		<u>FAW</u>	
9.			<u>OBL</u>	
10.			<u>FAW</u>	
= Total Cover				<u>Pics 2:50</u>
Wood Vine Stratum				
1.				
= Total Cover				

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

- Erosion and slumping downstream of culverts
- Rip-rap armoring at head of culverts down to Creek
- on west side, rip-rap check dam constructed about 500 yds to west - veg does not connect to that undisturbed boundary at change in veg and soils.



Received  
ENSO  
Date: 9/18/19  
and #: SE19-95  
replaces correct  
NE19-41  
NE19 problem

**ADDITIONAL VEGETATION** - Use scientific names of plants

de photo numbers here or on a separate sheet.)

A hand-drawn sketch on lined paper. At the top left is a large circle. To its right is a tall, thin, vertical structure with a pointed top, marked with several 'x' symbols. Below these is a horizontal line with several 'x' marks. Below this line is another horizontal line. Between these two horizontal lines, the word 'Mountain' is written in cursive. Below the second horizontal line, there are two vertical lines and the word 'Lauren' written in cursive.

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/9/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-97  
 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?

most of ditch is mown; construction of road and parking area.

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Road side ditch along Mannheim; flows to Crystal Creek
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				<b>Other Notes</b> - Rip-rapped at entrance to Crystal Creek - narrow drainage ditch to channel parking lot flows - 24" culvert @ east
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				- Redox dark surface @ western end @ middle - wetlands out to 12-15 ft towards east. - algal mats @ east end Pizz 4:15
1. <i>Solidago sempervirens</i>			FTCW	
2. <i>Rumex crispus</i>			FTC	
3. <i>Cyperus esculentus</i>	X		FTCW	
4.				
5. <i>Phalaris arundinacea</i>	X		FTCW	
6. <i>Typha angustifolia</i>			OBL	
7. <i>Typha salicaria</i>			OBL	
8. <i>Hordeum jubatum</i>			FTC	
9. <i>Echinochloa crus-galli</i>			FTCW	
10. <i>Sparganium angustifolium</i>			FTCW	
11.				
12.				
			= 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: 9/9/2019  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-98 ditch  
 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?

rip rap @ culvert end

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Roadside ditch L to # 97 along Montrose Ave. Drains via culvert to S into another ditch W of #97 2 culverts @ east end
2.				
3.				
4.				
5.				
= Total Cover				Other Notes heavily riprap @ culvert end -97 + 98 are disconnected
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				?
Herb Stratum				
1. <i>Phragmites australis</i>		Y	FACW	
2.				
3. <i>Hordeum jubatum</i>			FAC	
4. <i>Lythrum salicaria</i>			OBL	
5. <i>Juncus dudleyi</i>			OBL	
6. <i>Solidago sempervirens</i>			FACW	
7. <i>Eupatorium serotinum</i>			FACW	
8. <i>Sagittaria arifolia</i>			OBL	
9. <i>Polygonum persicaria</i>			OBL	
10. <i>Eleocharis obtusa</i>			OBL	
11. <i>Typha angustifolia</i>			FACW	
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

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

depression

Montrose

Manheim Rd

97

Phrag patch

98

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/10/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-99  
 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 regularly; swale construction*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>A15; swale shallow</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- Redox level surface</i> <i>- geomorphic position</i> <i>- FAC Neutral</i> <i>- deep wet @ east end.</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.			<i>OBL</i>	
2.			<i>FAC</i>	
3.			<i>FAC</i>	
4.			<i>FACW</i>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pis 8:40</i>
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: 9/10/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-100  
 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.				All - shallow swale in center
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - drop inlet at east end - ridges dark surface - disturbed matrix - All
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Persicaria maculatum</i>			FAC	
2. <i>Persicaria penn</i>	X		FACW	
3. <i>Eleocharis obtusa</i>			OOL	
4. <i>Echinochloa crus-galli</i>			FACW	
5. <i>Poa pratensis</i>	X		FAC	
6. <i>Sagittaria pennula</i>	X		FAC	
7. <i>Carex sp</i>				
8.				
9.				
10.				
11.				
12.				
= Total Cover				Rus 9:20
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: 9/10/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-101  
 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 regularly; erosion

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				AB - very narrow swale to drop inlet
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Erosion from drainage off of taxiway from west - cut down in place - Depleted nutrients - Cecropia peltata - FAC Neutral Pics 9:50
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinodorus crassifolius</i>	X		FACW	
2. <i>Cyperus esculentus</i>	X		FACW	
3. <i>Persicaria maculata</i>			FAC	
4. <i>Bearded sparganium</i>			FACW	
5.				
6. <i>Glycyrrhiza</i> (?)				
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.)				
Depression				

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/10/19  
Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-102  
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?

☐ No ☐ (If no, explain in Remarks.)  
area more regularly; construction  
ruddy

**ADDITIONAL VEGETATION - Use scientific names of plants**

Tree Stratum		Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.					
2.					
3.					
4.					
5.					
Sapling/Shrub Stratum		= Total Cover			Other Notes
1.					
2.					- Depleted Matrix - All - Depleted below - Bad soil in areas due to mowers + aeration - Geomorphon positive - FAC Neutral - Drainage flows to runway connector from south -
3.					
4.					
5.					
Herb Stratum		= Total Cover			
1.	<i>Cyperus eximius</i>			FACW	- Drainage flows to runway connector from south -
2.	<i>Pennisetum maculatum</i>			FAC	
3.	<i>Andropogon furcatus</i>			FAC	
4.	<i>Echinochloa crus-galli</i>			FACW	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
Wood Vine Stratum		= Total Cover			Pics
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: 9/10/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW9-163  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM/UPL

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?

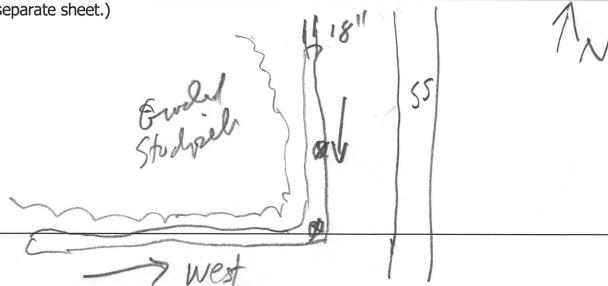
*not mown; ditch construction*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Ditch - near Hwy 2 and Stodpulis to west - near future approach for
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> 18" culvert at north end 2 drop inlets - one at south end. - one in between - covered w/ silt traps - ~ 3 ft wide - large quantity of silt deposited at culvert end from north. - flows to south and from west along an upland swale
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FACW	
2.				
3. <i>Pennisetum purpureum</i>				
4.				
5.				
6. <i>Eupatorium altissimum</i>			FACU	
7. <i>Helianthus annuus</i>			FACU	
8. <i>Schrodanurus arund.</i>			FACU	
9. <i>Trifolium pratense</i>			FACU	
10. <i>Setaria pumila</i>			FAC	
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

*wet south*

*epl (west)*



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/12/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-105  
 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? DPs; soil deep areas  
 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.				Shallow closed basin Area 13
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> - Disturbed soils - mixed soil layer about 5" - closed depression - mostly solid phragmites
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Dipsacus lacustris</i>	X		FACW	
3. <i>Solidago sempervirens</i>			FACW	
4. <i>Cytisus labradoricus</i>			ABR	
5. <i>Tenax brucei</i>				
6. <i>Tenax didymum</i>				
7.				
8. <i>Fraxinus penns.</i>				
9. <i>Leucanthemum vulgare</i>			FACW	
10. <i>Eupatorium serotinum</i>				
11. <i>artemisia</i>				
12. <i>Juniperus</i>				
= 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: 9/12/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NEA-106  
 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? Soil dumping area; some rutting  
 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>Pop. deltoides</u>			<u>FAC</u>	<u>Area 13 - small isolated depression near perimeter road</u>
2.				
3. <u>(1 Tree)</u>				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1.				<u>- includes a small area w/ cracked soils and heavily vegetated soil on south side</u> <u>- Geographic position</u> <u>- FAC - Neutral</u> <u>- Redox dark surface</u>
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <u>Proserpinaca australis</u>			<u>FACW</u>	<u>- Ralphy contributes to holding water</u> <u>- water-stained leaves</u> <u>- crayfish burrows</u>
2. <u>Lythrum salicaria</u>			<u>OBL</u>	
3. <u>Bidens bipinnata</u>			<u>FAC</u>	
4. <u>Juncus torreyana</u>			<u>FACW</u>	
5. <u>Juncus roemerianus</u>			<u>FACW</u>	
6. <u>Eupatorium serotinum</u>			<u>FACW</u>	
7. <u>" altissima</u>			<u>FACU</u>	
8. <u>Dipsacus laciniatus</u>			<u>FACU</u>	
9. <u>Poa palustris</u>			<u>FACW</u>	
10.				
11. <u>Symphoricarpos erectus</u>			<u>(FAC)</u>	
12. <u>Ranunculus virginianus</u>			<u>FAC</u>	
= Total Cover				
Wood Vine Stratum				
1.				<u>PLS 6:0pm</u>
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: 9/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-107  
 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?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Between M + A1 along Twy G
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes Shedder Swale in low spot in infield area Depleted matrix Depleted below dead surface
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<i>Paspalum maculatum</i> X		FACW	
2.	<i>Poa pratensis</i>		FAC	
3.	<i>RCD</i>		FACW	
4.	<i>Scleria pumila</i>		FAC	
5.	<i>Cyperus eruleatus</i>		FACW	
6.	<i>Beard sp. right top</i>		FACW	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				Pics 10:25am
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: 9/13/15  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE 9-108  
 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; rutting

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>Shallow swale @ A2</u> <u>5 remaining</u>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <u>Drop cut on east.</u> <u>standing water</u> <u>rain storm previous night</u> <u>- Depisted matrix</u> <u>- All A2s</u> <u>Geomophin pointin</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	<u>FACW</u> <u>FAC</u> <u>FACW</u> <u>FAC</u> <u>FACW</u> <u>FAC Neutral</u>
Herb Stratum				
1. <u>Cyperus aculeatus</u>	<u>x</u>			
2. <u>Spergularia tenuis</u>				
3. <u>Echinochloa crus-galli</u>				
4. <u>Spartina patens</u>				
5. <u>Bearded spurge</u>				
6.				
7.				
8.				
9.				
			= Total Cover	
Wood Vine Stratum				<u>9:40 Pcs</u>
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: 9/16/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-110  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM/PSS

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 dumping + earth moving open*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <i>Pop. deltoides</i>			FAE	Wetland at base of debris/fill slope
2. <i>Rhamnus cathartica</i>			FAE	
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1. <i>Fraxinus penn</i>			FAEW	- Water likely seeping out at base of fill slope
2.				- Wetland NE19-105 on bench above
3.				- Deposited Matrix
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Phragmites australis</i>			FAEW	- Papyrus along slope and occasionally more Green Ash up as saplings
2. <i>Bellardis bipinnata</i>			FAE	
3. <i>Scirpus pendulus</i>			FAEW	
4. <i>Juncus acutiflorus</i>			FAEW	
5. <i>Fraxinus penn (2-1m)</i>				
6. <i>Euthamia gaum.</i>			FAE	
7.				
8. <i>NE Aster</i>			FAEW	
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				- Some areas of bare vegetated surface. - Water-stained areas in bare soil

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/16/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-111  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM/PSS

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?

*earthmoving activities; rut*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <i>Pop. deltoides</i>	X		FAC	Shallow depression Near gravel road in Area 13
2.				
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1. <i>Eriogonum penn.</i> (~1m tall)			FACW	<ul style="list-style-type: none"> <li>- Standing water</li> <li>- Geomorphic point bar</li> <li>- FAC-Neutral</li> <li>- Supersaturation</li> <li>- Depleted matrix</li> </ul>
2. <i>Rhamnus cathartica</i>			FAC	
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Scirpus pendulus</i>	X			
2. <i>Juncus torreyi</i>	X		FACW	
3. <i>Juncus dudleyi</i>				
4. <i>Lycopus americanus</i>			OML	
5. <i>Ra. palustris</i>			FACW	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				Pics 3:10 pm
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: 9/16/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-112  
 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 dumping activities*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <i>Fraxinus penn</i>			FACW	
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- Throg-dominated wetland
2.				- @ base of debris fillslope
3.				- 1 dead ash
4.				- depression
5.				- redox level surface
			= Total Cover	- Geomorph position
Herb Stratum				
1. <i>Phragmites australis</i>		X	FACW	- FAC Neutral
2. <i>Eupatorium serotum</i>			FACW	
3. <i>Parthenocissus vitacea</i>			FACW	
4. <i>Cirsium arvense</i>			FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	Pics 430
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: 9/16/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-113  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: \_\_\_\_\_  
 NWI classification: PFO  
 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 13 - West side  
 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>Pop. Deltooides</u>	<u>X</u>		<u>FAC</u>	<u>- depression at base of debris fill/slope on west side</u>
2. <u>Rhamnus catherinae</u>	<u>X</u>		<u>FAC</u>	
3. <u>Fraxinus penn</u>	<u>X</u>		<u>FACW</u>	
4.				
5.				
= Total Cover				<b>Other Notes</b> <u>- Bare vegetated concave surface</u> <u>- Water stained leaves</u> <u>- Redox dual surface</u> <u>- Geomorphi pointum</u> <u>- FAC Neutral</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<u>- Depression area</u> <u>- tree removal from further west at earlier date</u> <u>- much erosion west to west.</u>
Herb Stratum				
1. <u>Phragmites australis</u>	<u>X</u>		<u>FACW</u>	
2. <u>Typha angustifolia</u>			<u>OBL</u>	
3. <u>Phalaris arundinacea</u>			<u>FACW</u>	
4. <u>Cyperus alternifolius</u>			<u>OBL</u>	
5. <u>Cyperus americanus</u>			<u>OBL</u>	
6.				
7.				
8.				
9.				
= Total Cover				
Wood Vine Stratum				<u>Pics 5:15</u>
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: 9/17/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEP-114  
 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; rutting

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				<b>Other Notes</b> - Standing water in ruts - 2 culverts at east end one drains to Crystal one drains into another exits into from parking lot - Depleted matrix
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				- Water runoff from pavement to south - Standing water at edge of pavement  Pies 5:15
1. <i>Echinochloa crus galli</i>	X		FACW	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Phragmites australis</i>			FACW	
4. <i>Sagittaria arifolia</i>	X		FACW	
5. <i>Bearded sparrow</i>			FACW	
6. <i>Hordeum jubatum</i>			FAC	
7. <i>Typha angustifolia</i>			OBL	
8.				
9.				
10.				
11.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				

## **Appendix J. Stream Characterization and Ditch Data Forms**

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/17/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEM-115  
 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?

*closed; mown; rutting*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Closed depression</i> <i>- Small</i> <i>- Near Alliance Ground</i> <i>Bldg / Guard Post</i>
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				<b>Other Notes</b> <i>- FB Closed depression</i> <i>- Standing water</i> <i>- Little veg w/in</i> <i>standing water</i>
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.				
2.	<i>Echinochloa crus-galli</i> X		<i>FAW</i>	
3.	<i>Panicum virgatum</i>		<i>FAW</i>	
4.	<i>Rumex crispus</i> X		<i>FAW</i>	
5.	<i>Hordeum jubatum</i> X		<i>FAW</i>	
6.	<i>Echinochloa obtusa</i>		<i>OBL</i>	
7.	<i>Schaerolobus perennis</i>		<i>OBL</i>	
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics 5:35</i>
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.) <i>closed depression</i>				

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/18/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-119  
 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 dumping ever in 80's*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <i>Pop. deltoides</i>	X		FAC	Shallow basin small Area 13
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Standing water - Perpetual matrix
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Phalaris arundinacea</i>	X		FACW	
2. <i>Juncus torreyi</i>			FACW	
3. <i>Juncus densiflorus</i>	X		FACW	
4. <i>Fragaria virginiana</i>			FACW	
5. <i>Scirpus pendulus</i>				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				Pcs 10:50
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: 9/17/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-118  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM/PFO  
 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 minor  
 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>Pop. deltoides</u>	<u>X</u>		<u>FAC</u>	<u>Shallow depression at base of fallslope for stockpile</u>
2. <u>Betula nigra</u>			<u>OBL</u>	
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> <u>- Depleted matrix</u> <u>- Biomorphic position</u> <u>- FAC Neutral</u>
Sapling/Shrub Stratum				
1. <u>Rhamnus cathartica</u>				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <u>Carex vulpinoidea</u>	<u>X</u>		<u>FACW</u>	
2. <u>Cyrtus salicaria</u>			<u>OBL</u>	
3. <u>Proxys penn. 2m</u>			<u>FACW</u>	
4. <u>Asclepias incarnata</u>			<u>OBL</u>	
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.)				
<u>Depression</u>				

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/19/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-119  
 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? swale construction  
 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.				Shallow swale east of AMC building @ Mannheim + Montrose
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Barnyard grass - dominant - about 2-4 ft in width - 40% slope on left ~ 30% " on right - Drainage swale
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FACW	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				Pics 2:15
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
depression				