

APPENDIX L

Wetlands Delineation Report and Approval Letters

WETLAND DELINEATION REPORT

FORMER WABASH ALLOYS PROPERTY
OAK CREEK, MILWAUKEE COUNTY, WISCONSIN

PREPARED FOR:

Connell Aluminum Properties, LLC
One International Place
Fort Hill Square, 31st Floor
Boston, Massachusetts 02110
and
Natural Resource Technology, Inc.
23713 W. Paul Road, Ste. D
Pewaukee, Wisconsin 53072

OCTOBER 23, 2013

INTRODUCTION

A wetland delineation of the former Wabash Alloys property was conducted on June 4, 2013. The current property owner is Connell Aluminum Properties, LLC. The property address is 9100 S. 5th Street and is located east of 5th Avenue and south of E. Depot Rd in the City of Oak Creek, Milwaukee County, Wisconsin (Exhibit 1). The site is further located in Section 24, Township 5 North, Range 22 East. The property consists of a wetland, the former Wabash Alloys building and modified old industrial property. The building is in the process of being demolished and the property is undergoing investigation and planning for an environmental cleanup.

EXISTING DATA

The United States Geological Survey topographic map (Exhibit 2) does not indicate any wetlands, streams or open water on the property. The Wisconsin Wetland Inventory map indicates one wetland on the property (Exhibit 3). The Flood Insurance Rate Map (Exhibit 4) indicates no mapped floodplain or floodway on the property. The Milwaukee County Soil Survey (Exhibit 5) indicates the hydric soil Ashkum silty clay loam (AsA) on the property.

WETLAND DELINEATION

Wetlands on the property were delineated on June 4, 2013 by Vince Mosca and Steve Rauch of Hey and Associates, Inc. using procedures outlined in the 1987 Corps of Engineers' (Corps) Wetland Delineation Manual and the 2010 Regional Supplement to the Corps Wetland Delineation Manual: Midwest Region. The entire property was inspected, with areas mapped as wetland or supporting wetland plant species prioritized for investigation. If inspection revealed that wetland plant species comprised more than 50 percent of the plant cover, the suspected wetland was further examined for field indicators of hydric soil and hydrology. The Corps-accepted field indicators of hydric soil include: gleyed and low chroma matrix and mottle colors, and iron and manganese concretions. Necessary hydric soil indicators were field verified in the wetland area. The Corps-approved field indicators of hydrology include: visual observation or photographic evidence of soil inundation or saturation during the growing season, oxidized channels associated with living roots and rhizomes, water marks, drift lines, waterborne sediment deposits, waterstained leaves, surface scoured areas and drainage patterns. Wetland hydrologic criteria were met in the area delineated as wetland.

A list of observed plant species in the wetland areas was compiled and data were gathered to complete Corps jurisdictional dataforms. A native vegetative quality rating was calculated for each wetland using the Wisconsin Floristic Quality Assessment (FQA). The FQA method assigns to plant species a rating that reflects the fundamental conservatism that the species exhibits for natural habitats. A native species that exhibits specific adaptations to a narrow spectrum of the environment is given a high rating. Conversely, an introduced, ubiquitous species that exhibits adaptations to a broad spectrum of environmental variables is given a low rating. Utilizing this method, a Floristic Quality Index (FQI) is derived for a given area. The FQI is an indication of native vegetative quality for an area: generally 1-19 indicates low vegetative quality, 20-35 indicates high vegetative quality and above 35 indicates "Natural Area" quality.

RESULTS

One wetland (Wetland 1) that occupies approximately 1.26-acres was delineated on the property. The surveyed wetland boundaries are shown on an aerial photograph in Exhibit 6. A list of the observed plant species for the wetland area is given in Exhibit 7. The Corps' jurisdictional dataforms for upland and wetland areas are included as Exhibit 8. Representative color photographs of the upland and wetland areas are provided in Exhibit 9. Following is a table that summarizes the delineated wetland:

Wetland	Area (acres)	FQI ¹	Native Mean C ²	Wetland Type	Dominant Vegetation
1	~1.26	12.2	2.5	Wet prairie/Marsh	See data sheets (Exhibit 8)

1 The Floristic Quality Index (FQI) is an indication of native vegetative quality for an area: generally 1-19 indicates low vegetative quality; 20-35 indicates high vegetative quality; and above 35 indicates "Natural Area" quality.
2 The Native Mean C is an indication of native vegetative quality for an area. Areas with value of 3.5 or greater are considered high quality.

Wetland 1 is a wet prairie that receives hydrology by overland flow. The wetland area likely has formed in its current location as a consequence of site drainage patterns that have been dictated by the land uses of the property. Two separate railroad spurs used to occupy the property. Both resulting railroad beds dictated to a large degree the flow of local surface water runoff from the building and parking lots. The runoff sheet drained to the east from the impervious surfaces to, at least in part, form the wetland area.

The entire eastern portion of the property was modified and influenced by previous activities. These include the modifications made to the land by the industrial facility and the construction of the access road to the water treatment facility on Lake Michigan that occurs directly south of the property. The grading, excavation

and berming associated with this access road, including the installation of a “bee-hive” drainage outlet at the terminus of the on-site wetland area, largely defines the local hydrology.

The entire wetland area has a mixed soil matrix, although there is evidence that hydric features have reformed in the soil profile. The local water table appears to be perched in the heavy clay and compacted soils. Some surface ponding was evident, primarily dictated by seasonal precipitation patterns.

Some hydrophytic vegetation, mostly sandbar willow (*Salix exigua*) and eastern cottonwood (*Populus deltoids*) occurs on the old railroad bed at the north end of the site. Although partially dominated by wetland vegetation, the soil profile was non-hydric and no water table or other hydrologic features were observed (see data sheet 4).

One spot depressional area (Exhibit 6) was observed along the north side of the railroad bed. This area appears to collect local runoff and does not appear to drain anywhere. This area (approximately 100 sq. feet) was unvegetated and appears to be a relict of the grading for the railroad embankment. Exemption from regulation due to it being created by human induced activities is requested.

It should be noted that the site has occurred in its current condition for an extended period of time and now exhibits “normal circumstances,” albeit previously disturbed. Therefore the site was not delineated using “atypical situations” criteria.

SUMMARY AND CONCLUSIONS

The wetland delineation of the former Wabash Alloy property revealed one wetland area totaling an estimated 1.26-acre. On June 19, 2013, Jesse Jensen, Tom Nedland and Stacy Hron from the WDNR and Anthony Jernigan from the Army Corps of Engineers conducted a field visit. The wetland boundary as shown in this report was walked and a preliminary boundary concurrence was given by both agencies. Final concurrence will be subject to review and approval of this report. A portion of the upland is dominated by adventive hydrophytic vegetation. This area was discussed during the meeting and it was agreed that it would not be considered a jurisdictional wetland since it is an old railroad bed and does not meet wetland criteria.

With the proximity of the wetland to Lake Michigan and an apparent hydrologic connection via a storm sewer network, it is likely that the site will be under federal jurisdiction. These areas cannot be filled or otherwise impacted without permit authorization issued by the appropriate agencies. No work which would

result in wetland impacts should be undertaken unless project authorization from the resource agencies is first received.

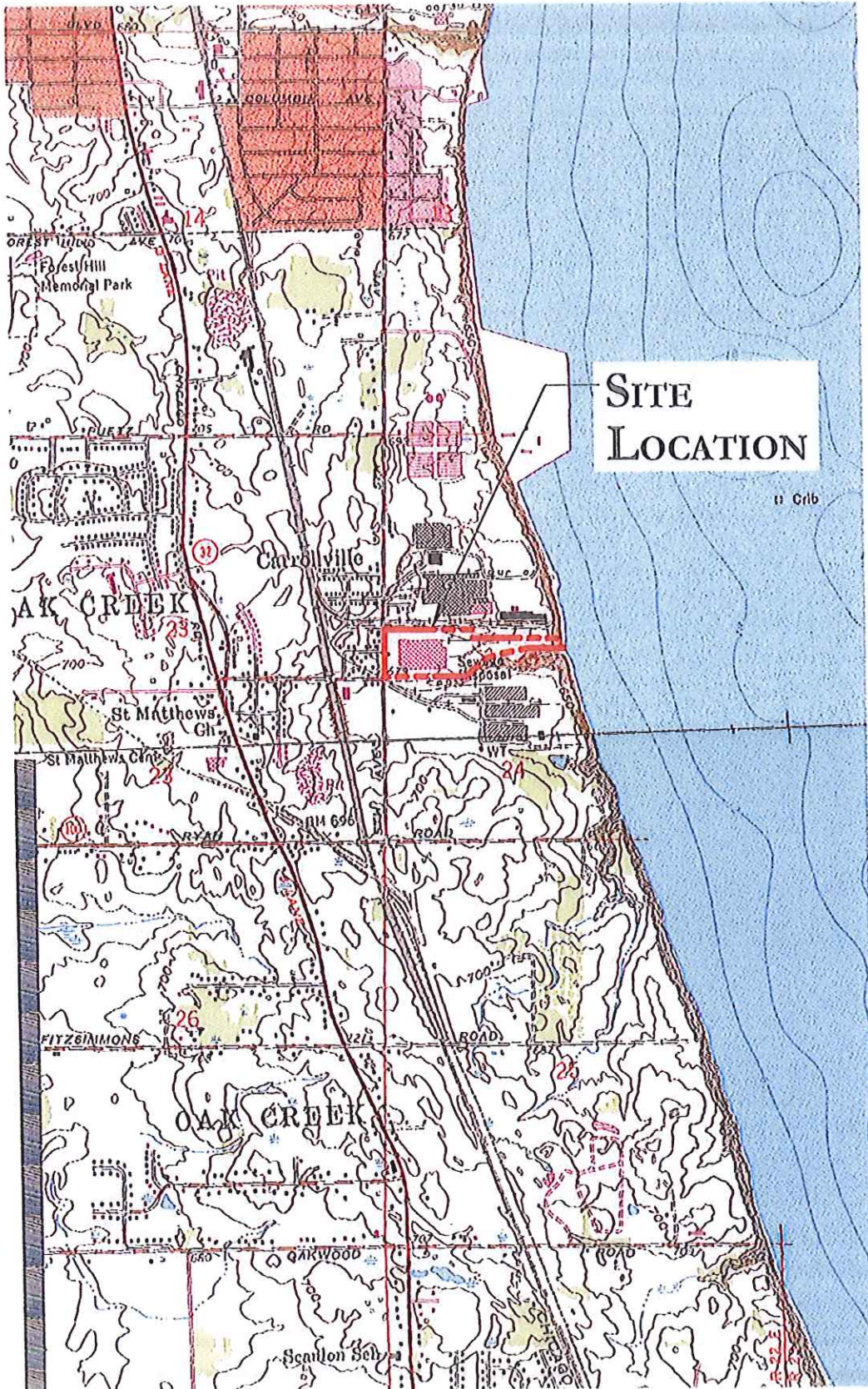


EXHIBIT 1



WABASH ALLOYS
OAK CREEK, WI



SITE LOCATION



SECTION 24
TOWNSHIP 5 N
RANGE 22 E

DATE: 1994



SCALE:
1" = 2000'



P:\17300\12-0250 Wabash Alloy- Oak Creek, WI\Drawn\CAD\12-0250_2012-Delineation-Report_Milwaukee-County.dwg, (C) Site Topography, 6/7/2013, 2:16:20 PM

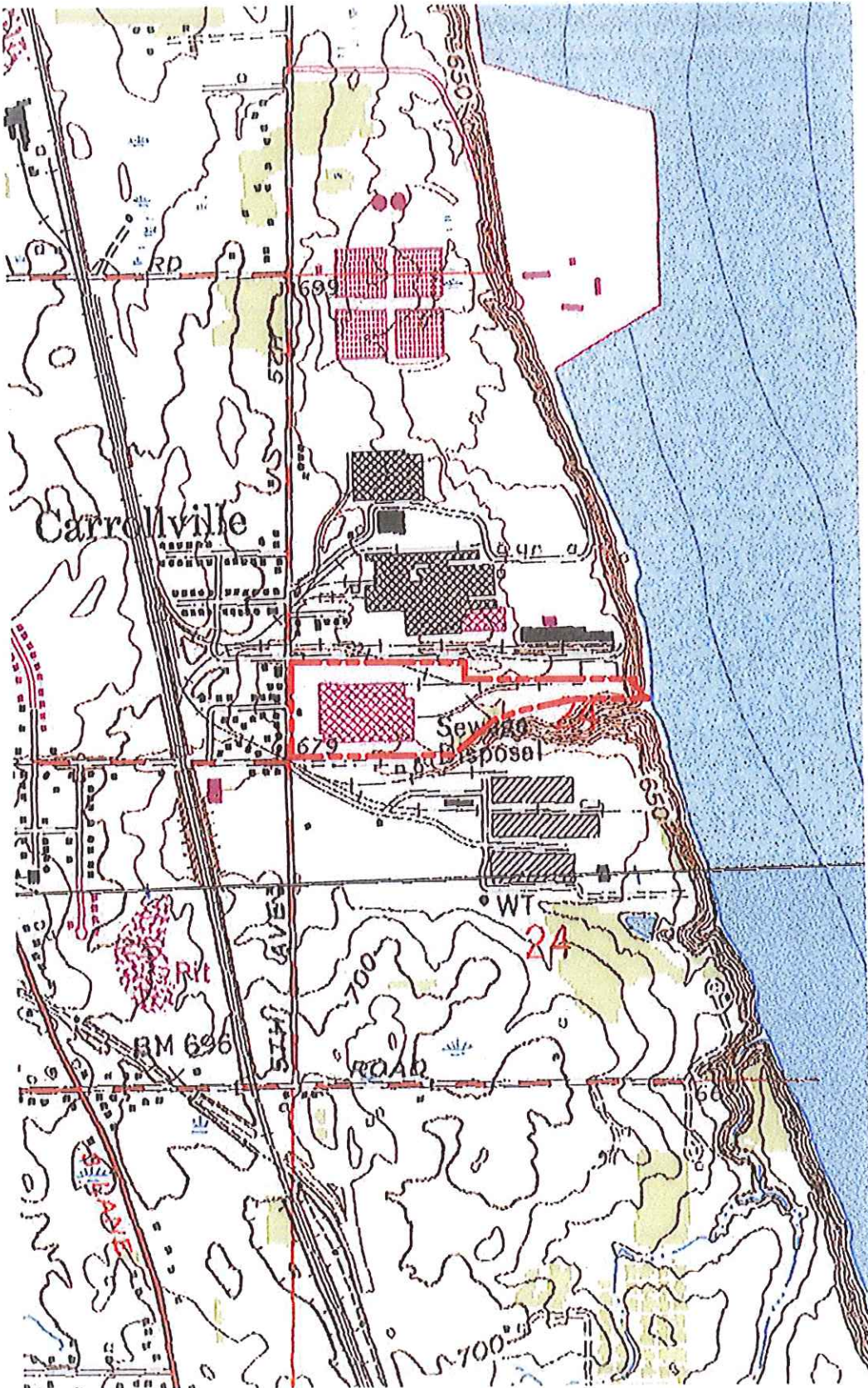


EXHIBIT 2



WABASH ALLOYS

OAK CREEK, WI



U.S.G.S.
TOPOGRAPHIC
MAP



U.S.G.S QUAD:
SOUTH
MILWAUKEE

DATE: 1994



SCALE:
1" = 1000'



EXHIBIT 3



WABASH ALLOYS
OAK CREEK, WI



WDNR WETLAND
INVENTORY



TOWNSHIP NAME:
OAK CREEK

DATE: 2009



SCALE:
1" = 500'

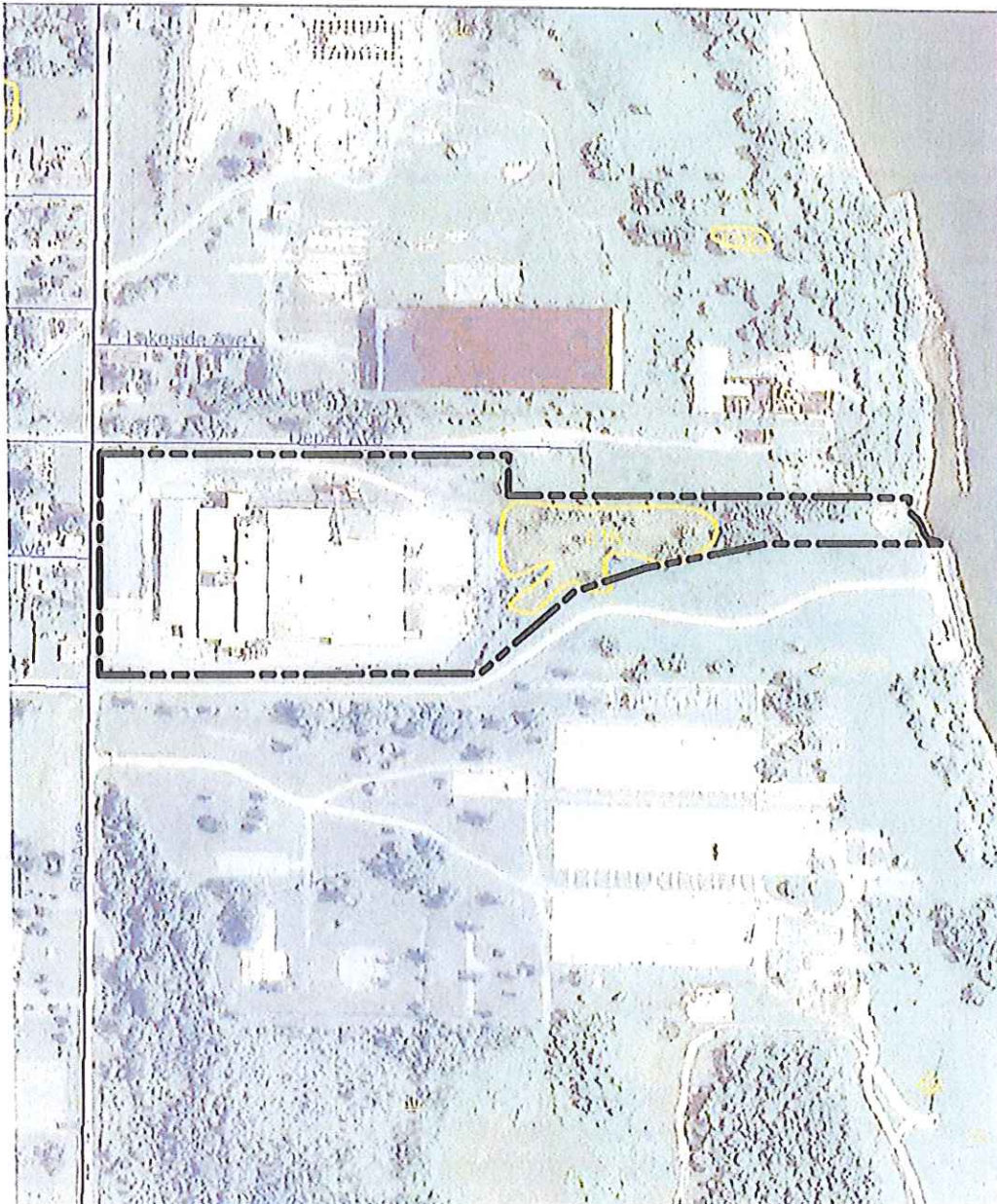




EXHIBIT 4



WABASH ALLOYS
OAK CREEK, WI



FLOOD
INSURANCE
RATE MAP



PANEL 188
MAP NUMBER
55079C0188E

DATE:
SEPT. 26, 2008



SCALE:
1" = 500'



P:\120001\12-6559 Wabash Alloy- Oak Creek, WI\Dat\CA\0112-6559_2013-Delineation-Report_MilwaukeeCounty.dwg, (4) FRS4, 6/7/2013 9:24:17 AM DWG

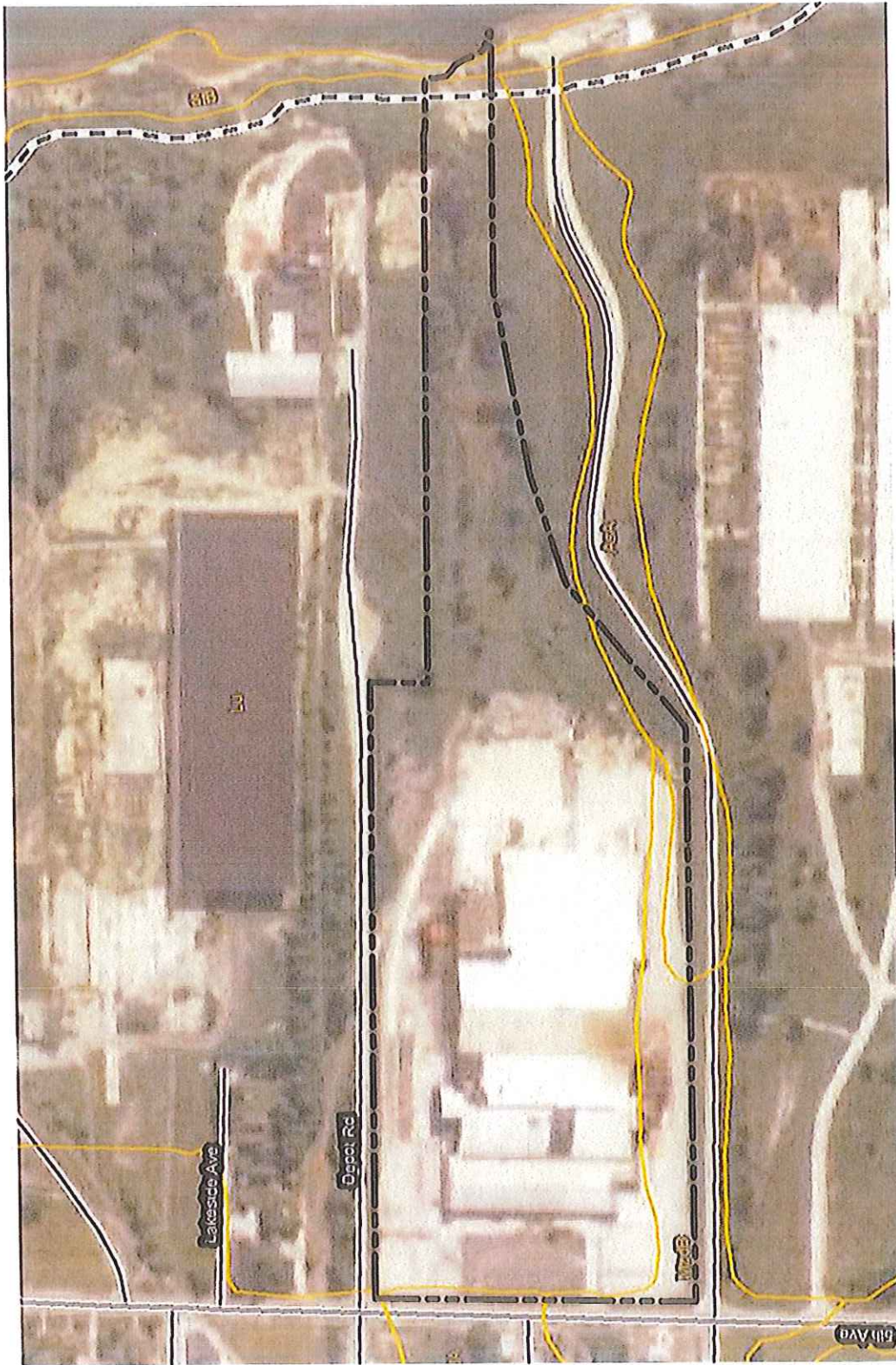


EXHIBIT 5



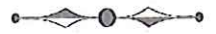
WABASH ALLOYS
OAK CREEK, WI



MILWAUKEE
COUNTY
SOIL SURVEY



DATE: 2002



SCALE:
1" = 300'



Hydric Soils:
AsA Ashkum Silty Clay Loam

P:\11200017-0550 Wabash Alloy- Oak Creek, WI\Data\CAD\17-0550_2015-Delineation-Report_Milwaukee-County.dwg, © Aerial, 10/22/2010 12:50:27 PM, R100H 05000_C.pcd

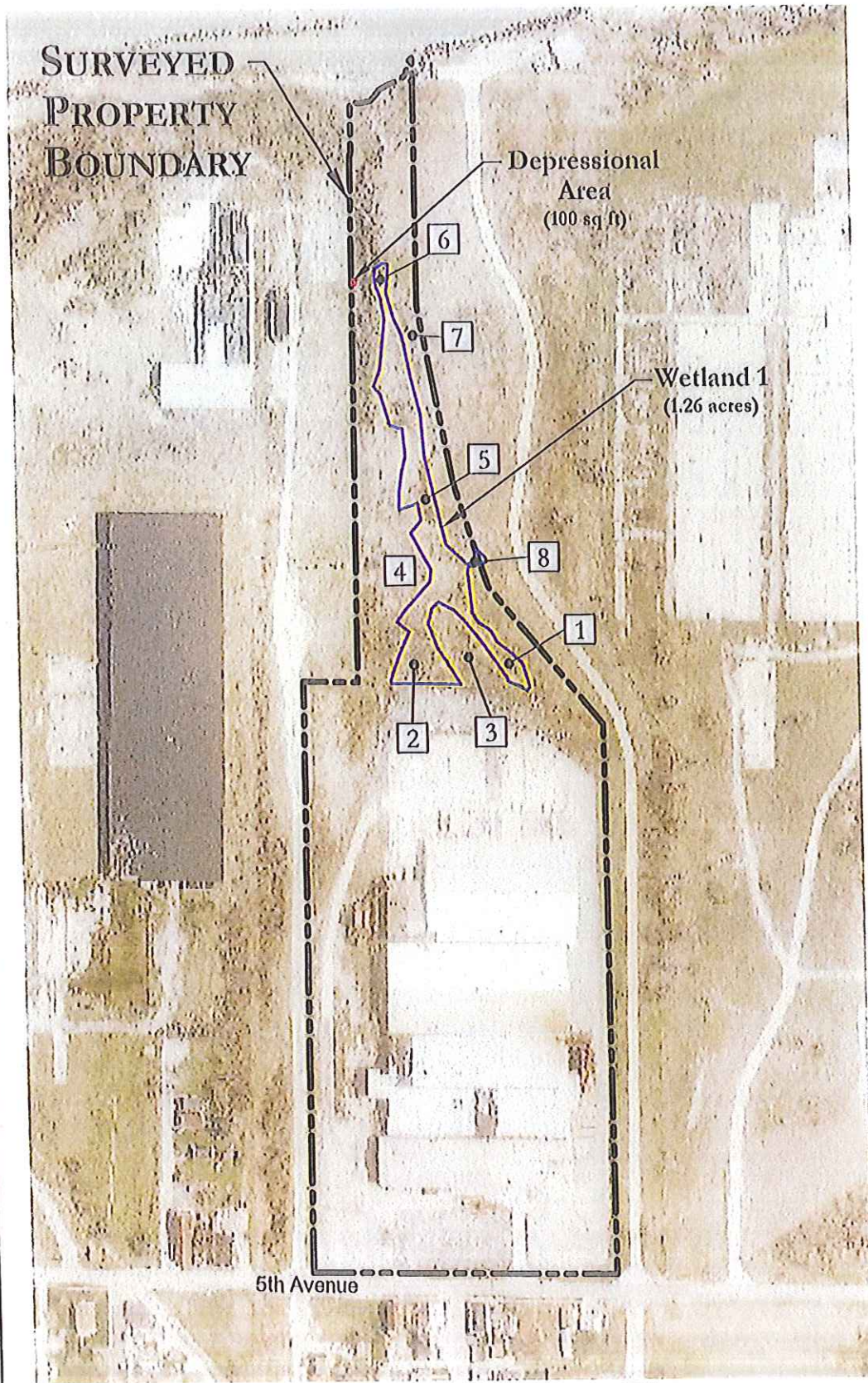


EXHIBIT 6



WABASH ALLOYS

OAK CREEK, WI



SURVEYED
WETLAND
BOUNDARY ON
AERIAL
PHOTOGRAPH



DATE OF PHOTO:
2010



SCALE:
1" = 300'



[X] Data Point Location

EXHIBIT 7



WABASH ALLOYS

OAK CREEK, WI



OBSERVED PLANT
SPECIES LISTS



Wabash Alloy

06/04/2013

Inventoried By:

Vince Mosca Steve Rauch

Plant Community:

Wetland

Floristic Quality Summary:

Title	Count	Mean C	FQI
Native Species	24	2.5	12.2
Total Species	32	1.9	10.6

Native Physlognomic Summary:

Title	Count	Percent
<blank>	1	3.1
Evergreen Ally	0	0.0
Evergreen Shrub	0	0.0
Fern	0	0.0
Fern Ally	1	3.1
Forb	5	15.6
Grass	0	0.0
Herbaceous Vine	0	0.0
Rush	1	3.1
Sedge	2	6.3
Shrub	6	18.8
Tree	5	15.6
Tree/Shrub	1	3.1
Woody Vine	2	6.3

Non-Native Physlognomic Summary:

Physlognomy	Count	Percent
<blank>	1	3.1
Evergreen Ally	0	0.0
Evergreen Shrub	0	0.0
Fern	0	0.0
Fern Ally	0	0.0
Forb	2	6.3
Grass	2	6.3
Herbaceous Vine	0	0.0
Rush	0	0.0
Sedge	0	0.0
Shrub	1	3.1
Tree	1	3.1
Tree/Shrub	0	0.0
Woody Vine	1	3.1

Taxon Code:	Scientific Name	C of C	Native	Physlognom	Region 3
ACENEG	<i>Acer negundo</i> L.	0	<input checked="" type="checkbox"/>	Tree	FACW-
ALLPET	(M.BIEB.) CAVARA & GRANDE	0	<input type="checkbox"/>	Forb	FAC
ASTNOV	<i>Aster novae-angliae</i> L.	3	<input checked="" type="checkbox"/>	Forb	FACW
CORRAC	<i>Cornus racemosa</i> Lam.	2	<input checked="" type="checkbox"/>	Shrub	
CORSTO	<i>Cornus stolonifera</i> Michx.	3	<input checked="" type="checkbox"/>	Shrub	FACW
DIPSYL	DIPSACUS SYLVESTRIS HUDS.	0	<input type="checkbox"/>	Forb	NI
ELEERY	<i>Eleocharis erythropoda</i> Steud.	3	<input checked="" type="checkbox"/>	Sedge	OBL
EQUARV	<i>Equisetum arvense</i> L.	1	<input checked="" type="checkbox"/>	Fern Ally	FAC
FRAVIR	<i>irginiana</i> Duchesne	1	<input checked="" type="checkbox"/>	Forb	FAC-
FRAPEN	<i>nnsylvanica</i> Marshall	2	<input checked="" type="checkbox"/>	Tree	FACW
GEUCAN	<i>Geum canadense</i> Jacq.	2	<input checked="" type="checkbox"/>	Forb	FAC
JUNDUD	<i>Juncus dudleyi</i> Wiegand	4	<input checked="" type="checkbox"/>	Rush	
MONFISvFIS	<i>Monarda fistulosa</i> L. var. <i>fistulosa</i>	3	<input checked="" type="checkbox"/>	Forb	FACU
PARQUI	<i>Parthenocissus quinquefolia</i> (L.) Planch.	5	<input checked="" type="checkbox"/>	Woody Vine	FAC-

PHAARU	PHALARIS ARUNDINACEA L.	0	<input type="checkbox"/>	Grass	FACW+
POAPRA	POA PRATENSIS L.	0	<input type="checkbox"/>	Grass	FAC-
POPDELsMON	Populus deltoides Bartram ex Marshall subsp. mor	2	<input checked="" type="checkbox"/>	Tree	FAC+
POPTRE	Populus tremuloides Michx.	2	<input checked="" type="checkbox"/>	Tree	FAC
RHAFRA	RHAMNUS FRANGULA L.	0	<input type="checkbox"/>	Shrub	FAC+
RHURADvWUL	Rhus radicans L. var. vulgaris (Michx.) DC.	2	<input checked="" type="checkbox"/>	Shrub	FAC
RIBAME	Ribes americanum Mill.	4	<input checked="" type="checkbox"/>	Shrub	FACW
RUBOCC	Rubus occidentalis L.	2	<input checked="" type="checkbox"/>	Shrub	
SALFRA	SALIX FRAGILIS L.	0	<input type="checkbox"/>	Tree	FAC+
SALINT	Salix interior Rowlee	2	<input checked="" type="checkbox"/>	Shrub	OBL
SALNIG	Salix nigra Marshall	4	<input checked="" type="checkbox"/>	Tree	OBL
SCIATR	Scirpus atrovirens Willd.	3	<input checked="" type="checkbox"/>	Sedge	OBL
SOLDUL	SOLANUM DULCAMARA L.	0	<input type="checkbox"/>	Woody Vine	FAC
SOLGIG	Solidago gigantea Alton	3	<input checked="" type="checkbox"/>	Forb	FACW
TYPANG	TYPHA ANGUSTIFOLIA L.	0	<input type="checkbox"/>		OBL
TYPLAT	Typha latifolia L.	1	<input checked="" type="checkbox"/>		OBL
VIBLEN	Viburnum lentago L.	4	<input checked="" type="checkbox"/>	Tree/Shrub	FAC+
VITRIP	Vitis riparia Michx.	2	<input checked="" type="checkbox"/>	Woody Vine	FACW-

EXHIBIT 8



WABASH ALLOYS

OAK CREEK, WI



JURISDICTIONAL
DATAFORMS



WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 1
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): concave
 Slope (%): _____ Lat: 42.877909 Long: -87.848558 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y
SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
 Old disturbance; now "normal circumstances"

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1 <u>Populus deltoides</u>	5	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>5</u>	(A)
2 _____				Total Number of Dominant Species Across all Strata: <u>5</u>	(B)
3 _____				Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u>	(A/B)
4 _____					
5 _____					
	5	= Total Cover			
Sapling/Shrub stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet	
1 <u>Fraxinus pennsylvanica</u>	5	Y	FACW	Total % Cover of:	
2 <u>Cornus stolonifera</u>	5	Y	FACW	OBL species <u>50</u> x 1 = <u>50</u>	
3 _____				FACW species <u>10</u> x 2 = <u>20</u>	
4 _____				FAC species <u>25</u> x 3 = <u>75</u>	
5 _____				FACU species <u>0</u> x 4 = <u>0</u>	
	10	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>	
				Column totals <u>85</u> (A) <u>145</u> (B)	
				Prevalence Index = B/A = <u>1.71</u>	
Herb stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:	
1 <u>Typha latifolia</u>	50	Y	OBL	<input type="checkbox"/> Rapid test for hydrophytic vegetation	
2 <u>Equisetum arvense</u>	20	Y	FAC	<input checked="" type="checkbox"/> Dominance test is >50%	
3 <u>Juncus dudleyi</u>	10	N	NI	<input checked="" type="checkbox"/> Prevalence index is ≤3.0*	
4 _____				Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5 _____				Problematic hydrophytic vegetation* (explain)	
6 _____					
7 _____					
8 _____					
9 _____					
10 _____					
	80	= Total Cover			
Woody vine stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
1 _____				Hydrophytic vegetation present? <u>Y</u>	
2 _____					
	0	= Total Cover			

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

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-2	10YR 2/1						SCL	minor topsoil
2-12	2.5Y 4/2	80	10YR 5/6	5		M	SCL	mottles

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histisol (A1)</p> <p><input type="checkbox"/> Histlic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histlic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input checked="" type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils:</p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input type="checkbox"/> Other (explain in remarks)</p> <p>*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic</p>
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<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (Inches): _____</p>	<p>Hydric soil present? <u>Y</u></p>
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Remarks:

Appears to be relatively newly formed hydric soils in a disturbed matrix; obvious season ponding

HYDROLOGY

<p>Welland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p><input checked="" type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input checked="" type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p>		<p><u>Secondary Indicators (minimum of two required)</u></p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>	<p><input type="checkbox"/> Surface Soil Cracks (B6)</p> <p><input checked="" type="checkbox"/> Drainage Patterns (B10)</p> <p><input type="checkbox"/> Dry-Season Water Table (C2)</p> <p><input type="checkbox"/> Crayfish Burrows (C8)</p> <p><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</p> <p><input type="checkbox"/> Stunted or Stressed Plants (D1)</p> <p><input type="checkbox"/> Geomorphic Position (D2)</p> <p><input checked="" type="checkbox"/> FAC-Neutral Test (D5)</p>
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<p>Field Observations:</p> <p>Surface water present? Yes <input checked="" type="checkbox"/> No _____</p> <p>Water table present? Yes <input checked="" type="checkbox"/> No _____</p> <p>Saturation present? Yes <input checked="" type="checkbox"/> No _____</p> <p>(includes capillary fringe)</p>	<p>Depth (Inches): <u>2-Jan</u></p> <p>Depth (Inches): _____</p> <p>Depth (Inches): <u>at surface</u></p>	<p>Wetland hydrology present? <u>Y</u></p>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13

Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 2

Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): concave

Slope (%): _____ Lat: 42.878409 Long: -87.848856 Datum: _____

Soil Map Unit Name: Loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)

Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N

Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1 <u>Populus deltoides</u>	20	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>5</u> (A)	
2 <u>Salix nigra</u>	20	Y	OBL	Total Number of Dominant Species Across all Strata: <u>6</u> (B)	
3 _____				Percent of Dominant Species that are OBL, FACW, or FAC: <u>83.33%</u> (A/B)	
4 _____					
5 _____					
	40 = Total Cover				
Sapling/Shrub stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet	
1 <u>Salix oxilgua subsp. interior</u>	50	Y	OBL	Total % Cover of:	
2 _____				OBL species <u>70</u> x 1 = <u>70</u>	
3 _____				FACW species <u>40</u> x 2 = <u>80</u>	
4 _____				FAC species <u>20</u> x 3 = <u>60</u>	
5 _____				FACU species <u>0</u> x 4 = <u>0</u>	
	50 = Total Cover			UPL species <u>0</u> x 5 = <u>0</u>	
				Column totals <u>130</u> (A) <u>210</u> (B)	
				Prevalence Index = B/A = <u>1.62</u>	
Herb stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:	
1 <u>Solidago gigantea</u>	20	Y	FACW	<input type="checkbox"/> Rapid test for hydrophytic vegetation	
2 <u>Phalaris arundinacea</u>	20	Y	FACW	<input checked="" type="checkbox"/> Dominance test is >50%	
3 <u>Dipsacus fullonum subsp. sylvestris</u>	10	Y	NI	<input checked="" type="checkbox"/> Prevalence index is ≤3.0*	
4 _____				Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5 _____				Problematic hydrophytic vegetation* (explain)	
6 _____				*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
7 _____					
8 _____					
9 _____					
10 _____					
	50 = Total Cover				
Woody vine stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present? <u>Y</u>	
1 _____					
2 _____					
	0 = Total Cover				

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

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-6	2.5Y 4/2	80	10YR 5/6	5	RM	M	SICI	Disturbed
6-12	10YR 2/1	60	2.5Y 4/2	10	D	M	SICI	

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histisol (A1)</p> <p><input type="checkbox"/> Histlic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histlic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input checked="" type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils:</p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input checked="" type="checkbox"/> Other (explain in remarks)</p>
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*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric soil present? <u>Y</u></p>
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Remarks:

Newly formed in disturbed matrix; mixed clayey materials but has developed hydric features. Supporting hydrophytes

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input checked="" type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p>			<p><u>Secondary Indicators (minimum of two required)</u></p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>			<p><input type="checkbox"/> Surface Soil Cracks (B6)</p> <p><input type="checkbox"/> Drainage Patterns (B10)</p> <p><input type="checkbox"/> Dry-Season Water Table (C2)</p> <p><input type="checkbox"/> Crayfish Burrows (C8)</p> <p><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</p> <p><input type="checkbox"/> Slanted or Stressed Plants (D1)</p> <p><input type="checkbox"/> Geomorphic Position (D2)</p> <p><input checked="" type="checkbox"/> FAC-Neutral Test (D5)</p>		
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<p>Field Observations:</p> <p>Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>12</u></p> <p>(includes capillary fringe)</p>	<p>Wetland hydrology present? <u>Y</u></p>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

seasonal saturation; true water table unclear

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 3
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): convex
 Slope (%): _____ Lat: 42.878153 Long: -87.848727 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y
SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>N</u> Hydric soil present? <u>N</u> Wetland hydrology present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
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Remarks: (Explain alternative procedures here or in a separate report.)
 data point is located on a disturbed railroad bed

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet			
1 _____					Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A)			
2 _____					Total Number of Dominant Species Across all Strata: <u>4</u> (B)			
3 _____					Percent of Dominant Species that are OBL, FACW, or FAC: <u>50.00%</u> (A/B)			
4 _____								
5 _____								
		<u>0</u>	= Total Cover					
Sapling/Shrub stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet			
1 <u>Lonicera tatarica</u>		20	Y	FACU			Total % Cover of:	
2 <u>Salix exigua subsp. interior</u>		20	Y	OBL			OBL species <u>20</u> x 1 = <u>20</u>	
3 <u>Cornus stolonifera</u>		10	Y	FACW			FACW species <u>10</u> x 2 = <u>20</u>	
4 _____							FAC species <u>0</u> x 3 = <u>0</u>	
5 _____							FACU species <u>20</u> x 4 = <u>80</u>	
		<u>50</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>			
		<u>50</u>	= Total Cover		Column totals <u>50</u> (A) <u>120</u> (B)			
		<u>50</u>	= Total Cover		Prevalence Index = B/A = <u>2.40</u>			
Herb stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:			
1 <u>Coronilla varia</u>		50	Y	NI			____ Rapid test for hydrophytic vegetation	
2 _____							____ Dominance test is >50%	
3 _____							<input checked="" type="checkbox"/> Prevalence Index is ≤3.0*	
4 _____							Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5 _____							____ Problematic hydrophytic vegetation* (explain)	
6 _____							*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
7 _____							Hydrophytic vegetation present? <u>Y</u>	
8 _____								
9 _____								
10 _____								
		<u>50</u>	= Total Cover					
Woody vine stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status				
1 _____								
2 _____								
		<u>0</u>	= Total Cover					

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

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
								Disturbed

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils:
<input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histlic Epipedon (A2) <input type="checkbox"/> Black Histlic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)

*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric soil present? <u>N</u>
Remarks: Old razed railroad bed	

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Gauge or Well Data (D9) <input type="checkbox"/> Other (Explain in Remarks)
	<input type="checkbox"/> Surface Soil Cracks (B0) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)

Field Observations: Surface water present? Yes _____ No <u>X</u> Depth (inches): _____ Water table present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland hydrology present? <u>N</u>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 4
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): convex
 Slope (%): _____ Lat: 42.878685 Long: -87.848204 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1	_____	_____	_____	_____	Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u> (A)	
2	_____	_____	_____	_____	Total Number of Dominant Species Across all Strata: <u>3</u> (B)	
3	_____	_____	_____	_____	Percent of Dominant Species that are OBL, FACW, or FAC: <u>33.33%</u> (A/B)	
4	_____	_____	_____	_____		
5	_____	_____	_____	_____		
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: _____)				Prevalence Index Worksheet	
1	<u>Salix exigua subsp. interior</u>	<u>20</u>	<u>Y</u>	<u>OBL</u>	Total % Cover of:	
2	_____	_____	_____	_____	OBL species	<u>20</u> x 1 = <u>20</u>
3	_____	_____	_____	_____	FACW species	<u>0</u> x 2 = <u>0</u>
4	_____	_____	_____	_____	FAC species	<u>0</u> x 3 = <u>0</u>
5	_____	_____	_____	_____	FACU species	<u>0</u> x 4 = <u>0</u>
		<u>20</u>	= Total Cover		UPL species	<u>0</u> x 5 = <u>0</u>
		<u>20</u>			Column totals	<u>20</u> (A) <u>20</u> (B)
		<u>20</u>			Prevalence Index = B/A =	<u>1.00</u>
Herb stratum	(Plot size: _____)				Hydrophytic Vegetation Indicators:	
1	<u>Coronilla varia</u>	<u>30</u>	<u>Y</u>	<u>NI</u>	Rapid test for hydrophytic vegetation	
2	<u>Dipsacus fullonum subsp. sylvestris</u>	<u>30</u>	<u>Y</u>	<u>NI</u>	Dominance test is >50%	
3	_____	_____	_____	_____	<u>X</u> Prevalence Index is ≤3.0*	
4	_____	_____	_____	_____	Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5	_____	_____	_____	_____	Problematic hydrophytic vegetation* (explain)	
6	_____	_____	_____	_____	*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
7	_____	_____	_____	_____		
8	_____	_____	_____	_____		
9	_____	_____	_____	_____		
10	_____	_____	_____	_____		
		<u>60</u>	= Total Cover		Hydrophytic vegetation present? <u>Y</u>	
Woody vine stratum	(Plot size: _____)					
1	_____	_____	_____	_____		
2	_____	_____	_____	_____		
		<u>0</u>	= Total Cover			

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

SOIL

Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-15	10YR 7/6	80	2.5Y 7/6	2	D	M	SICI	Disturbed

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histlic Epipedon (A2) <input type="checkbox"/> Black Histlic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	Indicators for Problematic Hydric Soils: <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)
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*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric soil present? <u> N </u>
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Remarks:

previous fill from facility or railroad construction, very mixed matrix; pebbles;buried topsoil lenses

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> True Aqualic Plants (B14)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Gauge or Well Data (D9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
<input type="checkbox"/> Water-Stained Leaves (B9)		

Field Observations: Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland hydrology present? <u> N </u>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
part of old railroad bed grading

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 5
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): concave
 Slope (%): _____ Lat: 42.878317 Long: -87.846989 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1					Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u>	(A)
2					Total Number of Dominant Species Across all Strata: <u>1</u>	(B)
3					Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u>	(A/B)
4						
5						
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: _____)				Prevalence Index Worksheet	
1					Total % Cover of:	
2					OBL species <u>0</u> x 1 = <u>0</u>	
3					FACW species <u>90</u> x 2 = <u>180</u>	
4					FAC species <u>0</u> x 3 = <u>0</u>	
5					FACU species <u>0</u> x 4 = <u>0</u>	
					UPL species <u>0</u> x 5 = <u>0</u>	
					Column totals <u>90</u> (A) <u>180</u> (B)	
					Prevalence Index = B/A = <u>2.00</u>	
		<u>0</u>	= Total Cover			
Herb stratum	(Plot size: _____)				Hydrophytic Vegetation Indicators:	
1					____ Rapid test for hydrophytic vegetation	
2					<u>X</u> Dominance test is >50%	
3					<u>X</u> Prevalence index is ≤3.0*	
4					Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5					Problematic hydrophytic vegetation* (explain)	
6					*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
7						
8						
9						
10						
		<u>90</u>	= Total Cover			
Woody vine stratum	(Plot size: _____)				Hydrophytic vegetation present? <u>Y</u>	
1						
2						
		<u>0</u>	= Total Cover			

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

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-2	2.5Y 4/2	80					SICI	topsoil stripped
2-12	2.5Y 6/1 and 2.5Y 7/1	80	2.5Y 6/6	5	D	M	SICI	

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)

- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils:

- Coast Prairie Redox (A16) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Very Shallow Dark Surface (TF12)
- Other (explain in remarks)

*Indicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

Reforming hydric features from old disturbance; Inconsistent matrix but saturated seasonly

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9)

- Aqualic Fauna (B13)
- True Aqualic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction In Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

Field Observations:

Surface water present? Yes X No _____ Depth (inches): at surface
 Water table present? Yes X No _____ Depth (inches): within 12
 Saturation present? Yes X No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland hydrology present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

pockets water after rains

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 6
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): concave
 Slope (%): _____ Lat: 42.878418 Long: -87.845836 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y
SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u> Hydric soil present? <u>Y</u> Wetland hydrology present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.)	

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1 <u><i>Salix fragilis</i></u>	25	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across all Strata: <u>5</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>80.00%</u> (A/B)
2 <u><i>Acer negundo</i></u>	25	Y	FACW	
3 _____				
4 _____				
5 _____				
50 = Total Cover				Prevalence Index Worksheet Total % Cover of: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>95</u> x 2 = <u>190</u> FAC species <u>25</u> x 3 = <u>75</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>10</u> x 5 = <u>50</u> Column totals <u>130</u> (A) <u>315</u> (B) Prevalence Index = B/A = <u>2.42</u>
Sapling/Shrub stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	
1 <u><i>Rubus occidentalis</i></u>	10	Y	UPL	
2 <u><i>Cornus stolonifera</i></u>	10	Y	FACW	
3 _____				
4 _____				
5 _____				
20 = Total Cover				
Herb stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	
1 <u><i>Phalaris arundinacea</i></u>	60	Y	FACW	Hydrophytic Vegetation Indicators: _____ Rapid test for hydrophytic vegetation <u>X</u> Dominance test is >50% <u>X</u> Prevalence Index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
2 _____				
3 _____				
4 _____				
5 _____				
6 _____				
7 _____				
8 _____				
9 _____				
10 _____				
60 = Total Cover				
Woody vine stratum (Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	
1 _____				
2 _____				
0 = Total Cover				

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

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-1	10YR 3/1	80					SiCl	Mucky
1-12	2.5Y 7/1	80	2.5Y 6/6	5	D	M	SiCl	

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils:
<input type="checkbox"/> Histisol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)
<input type="checkbox"/> Histlic Epipedon (A2)	<input type="checkbox"/> Dark Surface (S7) (LRR K, L)
<input type="checkbox"/> Black Histlic (A3)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
<input checked="" type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> 2 cm Muck (A10)	<input checked="" type="checkbox"/> Other (explain in remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input checked="" type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):
 Type: _____
 Depth (inches): _____

Hydric soil present? Y

Remarks:
 Seasonal ponded area of wetland; buildup of decaying leaf matter; original surface appears stripped.

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	
<input type="checkbox"/> Water-Stained Leaves (B9)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:
 Surface water present? Yes No Depth (inches): _____
 Water table present? Yes No Depth (inches): _____
 Saturation present? Yes No Depth (inches): near surface
 (includes capillary fringe)

Wetland hydrology present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 Evidence of spring ponding of +/- 0-6 inches

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/ Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 7
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): convex
 Slope (%): _____ Lat: 42.877957 Long: -87.846489 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? N
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? Y

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
 Previously constructed berm for road access to Lake Michigan

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1					Number of Dominant Species that are OBL, FACW, or FAC: <u>0</u> (A)	
2					Total Number of Dominant Species Across all Strata: <u>1</u> (B)	
3					Percent of Dominant Species that are OBL, FACW, or FAC: <u>0.00%</u> (A/B)	
4						
5						
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: _____)				Prevalence Index Worksheet	
1					Total % Cover of:	
2					OBL species <u>0</u> x 1 = <u>0</u>	
3					FACW species <u>0</u> x 2 = <u>0</u>	
4					FAC species <u>0</u> x 3 = <u>0</u>	
5					FACU species <u>0</u> x 4 = <u>0</u>	
		<u>0</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>	
					Column totals <u>0</u> (A) <u>0</u> (B)	
					Prevalence Index = B/A = _____	
Herb stratum	(Plot size: _____)				Hydrophytic Vegetation Indicators:	
1	<u>Coronilla varia</u>	<u>90</u>	<u>Y</u>	<u>NI</u>	<input type="checkbox"/> Rapid test for hydrophytic vegetation	
2					<input type="checkbox"/> Dominance test is >50%	
3					<input type="checkbox"/> Prevalence Index is ≤3.0*	
4					<input type="checkbox"/> Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5					<input type="checkbox"/> Problematic hydrophytic vegetation* (explain)	
6					<small>*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic</small>	
7						
8						
9						
10						
		<u>90</u>	= Total Cover			
Woody vine stratum	(Plot size: _____)				Hydrophytic vegetation present? <u>N</u>	
1						
2						
		<u>0</u>	= Total Cover			

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

SOIL

Sampling Point: 7

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-12 2.5Y 7/6	90							Bermed

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	Indicators for Problematic Hydric Soils: <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)
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*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):
 Type: _____
 Depth (inches): _____

Hydric soil present? N

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Gauge or Well Data (D9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
<input type="checkbox"/> Water-Stained Leaves (B9)		

Field Observations:

Surface water present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (Inches): _____
Water table present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (Inches): _____
Saturation present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (Inches): _____

(Includes capillary fringe)

Wetland hydrology present? N

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Wabash Alloy City/County: Oak Creek/Milwaukee County Sampling Date: 6/4/13
 Applicant/Owner: Connell Aluminum Properties, LLC State: Wisconsin Sampling Point: 8
 Investigator(s): Vince Mosca, Steve Rauch Section, Township, Range: 24, 22N, 5E
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): concave
 Slope (%): _____ Lat: 42.877862 Long: -87.847916 Datum: _____
 Soil Map Unit Name: loamy land NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil X, or hydrology _____ significantly disturbed? Y
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? N Are "normal circumstances" present? N

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

construction plunge pool settling basin

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1	_____	_____	_____	_____	Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u> (A)	
2	_____	_____	_____	_____	Total Number of Dominant Species Across all Strata: <u>2</u> (B)	
3	_____	_____	_____	_____	Percent of Dominant Species that are OBL, FACW, or FAC: <u>50.00%</u> (A/B)	
4	_____	_____	_____	_____		
5	_____	_____	_____	_____		
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: _____)				Prevalence Index Worksheet	
1	_____	_____	_____	_____	Total % Cover of:	
2	_____	_____	_____	_____	OBL species <u>0</u> x 1 = <u>0</u>	
3	_____	_____	_____	_____	FACW species <u>50</u> x 2 = <u>100</u>	
4	_____	_____	_____	_____	FAC species <u>0</u> x 3 = <u>0</u>	
5	_____	_____	_____	_____	FACU species <u>0</u> x 4 = <u>0</u>	
		<u>0</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>	
		<u>50</u>			Column totals <u>50</u> (A) <u>100</u> (B)	
		<u>20</u>			Prevalence Index = B/A = <u>2.00</u>	
Herb stratum	(Plot size: _____)				Hydrophytic Vegetation Indicators:	
1	<u>Phalaris arundinacea</u>	<u>50</u>	<u>Y</u>	<u>FACW</u>	____ Rapid test for hydrophytic vegetation	
2	<u>Juncus dudleyi</u>	<u>20</u>	<u>Y</u>	<u>NI</u>	____ Dominance test is >50%	
3	_____	_____	_____	_____	<u>X</u> Prevalence Index is ≤3.0*	
4	_____	_____	_____	_____	Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5	_____	_____	_____	_____	____ Problematic hydrophytic vegetation* (explain)	
6	_____	_____	_____	_____	*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
7	_____	_____	_____	_____		
8	_____	_____	_____	_____		
9	_____	_____	_____	_____		
10	_____	_____	_____	_____		
		<u>70</u>	= Total Cover			
Woody vine stratum	(Plot size: _____)				Hydrophytic vegetation present? <u>Y</u>	
1	_____	_____	_____	_____		
2	_____	_____	_____	_____		
		<u>0</u>	= Total Cover			

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

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-4	7.5YR 7/1	80	10YR 4/2	10	D	M	SiCl	
4-15	10YR 6/1		2.5Y 7/6	20	D	M	SiCl	

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histisol (A1)</p> <p><input type="checkbox"/> Histc Epipedon (A2)</p> <p><input type="checkbox"/> Black Histc (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils:</p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input checked="" type="checkbox"/> Other (explain in remarks)</p> <p>*Indicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic</p>
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<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric soil present? <u>Y</u></p>
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Remarks:

Constructed outlet from wetland; Disturbed area but exhibiting hydric conditions; saturated from stormwater runoff

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Drainage Patterns (B10)	
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Gauge or Well Data (D9)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)			
<input type="checkbox"/> Water-Stained Leaves (B9)			

<p>Field Observations:</p> <p>Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water table present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>within 12</u></p> <p>Saturation present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____</p> <p>(includes capillary fringe)</p>	<p>Wetland hydrology present? <u>Y</u></p>
--	--

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

stormwater outfall for east portion of site; constructed. Receives drainage from subwatersheds

EXHIBIT 9



WABASH ALLOYS

OAK CREEK, WI



REPRESENTATIVE
COLOR
PHOTOGRAPHS



Exhibit 9 Representative Color Photographs



Photograph 1: Data Point 2- facing west. (date of photo 6/4/13)



Photograph 2: Data Point 5- facing east (date of photo 6/4/13).

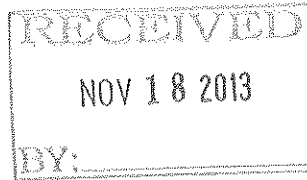
Exhibit 9 Representative Color Photographs



Photograph 3: Data Point 7-Upland, facing east (date of photo 6/4/13).



Photograph 4: Data Point 8- facing north (date of photo 6/4/13)



11/13/2013

WIC-SE-2013-41-03613

Hey and Associates, Inc.
Vince Mosca
26575 W. Commerce Dr. Suite 601
Volo, IL 60073

RE: Wetland Delineation Report for 5 acres located in the City of Oak Creek, Milwaukee County

Dear Mr. Mosca:

We have received and reviewed the wetland delineation report prepared for the above mentioned site by Hey & Associates, Inc. This letter will serve as confirmation that the wetland boundaries as shown on the wetland delineation map included with the October 23, 2013 report are acceptable. Any filling or grading within these areas will require DNR approvals. Our wetland confirmation is valid for five years unless altered site conditions warrant a new wetland delineation be conducted.

In order to comply with Chapter 23.321, State Statutes, please supply the department with an electronic file, in CAD or GIS format, of all wetland boundaries delineated within the project area. The electronic file should utilize a State Plane Projection, and be overlain onto recent aerial photography. If a different projection system is used, please indicate what system the data are projected to. Please send these data to Calvin Lawrence (608 266-0756, or calvin.lawrence@wisconsin.gov).

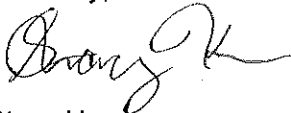
The property is located on the shores of Lake Michigan. DNR Chapter 30 permits will be needed if earthwork (filling, dredging, etc.) or structures (culverts, bridges, erosion control, etc.) are proposed in or adjacent to the lake.

If you are planning development on the property, you are required to avoid take of endangered and threatened species, or obtain an incidental take authorization or permit, to comply with the state's Endangered Species Law. To insure compliance with the law, you should submit an endangered resources review form (Form 1700-047), available at <http://dnr.wi.gov/topic/ERReview/Review.html>. The Endangered Resources Program will provide a review response letter identifying any endangered and threatened species and any conditions that must be followed to address potential incidental take.

In addition to contacting WDNR, be sure to contact your local zoning office and U.S. Army Corps of Engineers to determine if any local or federal permits may be required for your project.

If you have any questions, please contact me at (920) 892-8756 or email Stacy.Hron@Wisconsin.gov.

Sincerely,



Stacy Hron
Wetland Identification Specialist

cc: Anthony Jernigan, Project Manager, U.S. Army Corps of Engineers
Jesse Jensen, Water Management Specialist

Quality Customer Service is Important to Us. Tell Us How We Are Doing.
Water Division Customer Service Survey
<https://www.surveymonkey.com/s/WDNRWater>



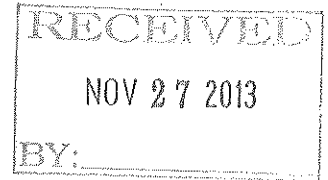
DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
180 FIFTH STREET EAST, SUITE 700
ST. PAUL MN 55101-1678

REPLY TO
ATTENTION OF

November 25, 2013

Operations
Regulatory (2013-04274-ADJ)

Hey and Associates
Attn: Vince Mosca
26575 W. Commerce Dr., Ste. 601
Volo, Illinois 60073



Dear Mr. Mosca:

This letter is in response to your request for a preliminary jurisdictional determination (JD) for a property at 9100 South 5th Street, located in Sec. 24, T. 5N., R. 22E., City of Oak Creek, Milwaukee County, Wisconsin. The review area for our jurisdictional determination is identified on the attached Exhibit 6.


We have reviewed the information provided in your report and determined that the limits of the aquatic resources have been accurately identified in accordance with current agency guidance including the *Corps of Engineers Wetland Delineation Manual* (1987 Manual) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region. This determination is only valid for the review area shown on the attached Exhibit 6.

This preliminary JD presumes that all of the aquatic resources identified in the review area subject to Corps of Engineers' jurisdiction under the Clean Water Act. Since the determination is considered preliminary it is not appealable under our administrative appeal procedures (33 CFR 331). If you prefer an appealable approved jurisdictional determination that verifies the jurisdictional status of the aquatic resources within the review area you may request one by contacting the Corps representative identified in the final paragraph of this letter.

If this preliminary JD is acceptable, please sign and date both copies of the Preliminary Jurisdictional Determination Form and return one copy to the letterhead address within 30 days from the date of this letter.

If you have any questions, contact Anthony Jernigan in our Waukesha field office at 651-290-5729. In any correspondence or inquiries, please refer to the Regulatory number shown above.

Sincerely,


for Tamara E. Cameron
Chief, Regulatory Branch

Copy furnished (email):
Jesse Jensen, WDNR

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND
REQUEST FOR APPEAL**

Applicant: Connell Aluminum Properties		File Number: 2013-04274-ADJ	Date :Nov. 25, 2013
Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of Permission)		A
	PROFFERED PERMIT (Standard Permit or Letter of Permission)		B
	PERMIT DENIAL		C
	APPROVED JURISDICTIONAL DETERMINATION		D
X	PRELIMINARY JURISDICTIONAL DETERMINATION		E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/cecw/pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A. INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approve jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B. PROFFERED PERMIT: You may accept or appeal the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C. PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D. APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E. PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION

If you have questions regarding this decision and/or the appeal process you may contact:

Anthony Jernigan
U. S. Army Corps of Engineers, Regulatory Branch
20711 Watertown Rd.
Suite F
Waukesha, Wisconsin 53186

Telephone (651) 290-5729

If you only have questions regarding the appeal process you may also contact:

Ms. Tonya Acuff
Administrative Appeals Review Officer
Mississippi Valley Division
P.O. Box 80 (1400 Walnut Street)
Vicksburg, MS 39181-0080
(601) 634-5821
(601) 634-5816 (fax)

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

	Date:	Telephone number:
Signature of appellant or agent.		

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

District Office	St. Paul District	File/ORM #	2013-04274-ADJ	PJD Date:	Nov 25, 2013
State	WI	City/County	Oak Creek/ Milwaukee County	Name/ Address of Person Requesting PJD	Hey and Associates Attn: Vince Mosca 26575 W. Commerce Dr., Ste. 601 Volo, Illinois 60073
Nearest Waterbody:	Lake Michigan				
Location: TRS, LatLong or UTM:	42.878819 N, 87.84767 W				


Identify (Estimate) Amount of Waters in the Review Area:	Name of Any Water Bodies on the Site Identified as Section 10 Waters:	Tidal:	
Non-Wetland Waters:	Stream Flow:	Non-Tidal:	
<input type="checkbox"/> linear ft <input type="checkbox"/> width <input type="checkbox"/> acres	N/A		
Wetlands: <input type="checkbox"/> 1.26 acre(s) Cowardin Class: Palustrine, emergent	<input checked="" type="checkbox"/> Office (Desk) Determination	<input type="checkbox"/> Field Determination:	Date of Field Trip: _____

SUPPORTING DATA: Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Delineation
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps
- Corps navigable waters' study: _____
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite quad name: _____
- USDA Natural Resources Conservation Service Soil Survey. Citation: _____
- National wetlands inventory map(s). Cite name: WW1
- State/Local wetland inventory map(s): _____
- FEMA/FIRM maps: _____
- 100-year Floodplain Elevation is: _____
- Photographs: Aerial (Name & Date): 2010 NAIP
 - Other (Name & Date): _____
- Previous determination(s). File no. and date of response letter: _____
- Other information (please specify): _____

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

November 25, 2013



Signature and Date of Regulatory Project Manager
(REQUIRED)

Signature and Date of Person Requesting Preliminary JD
(REQUIRED, unless obtaining the signature is impracticable)

EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERMINATIONS:

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

Appendix A - Sites

District Office	St. Paul District	File/ORM #	2013-04274-ADJ	PJD Date:	Nov 25, 2013
State	WI	City/County	Oak Creek/ Milwaukee County	Person Requesting PJD	Paul Crandall

Site Number	Latitude	Longitude	Cowardin Class	Est. Amount of Aquatic Resource in Review Area	Class of Aquatic Resource
Wetlands	42.87819 N	87.84767 W	Palustrine, emergent	1.26 acre	E2k
			n/a		
			n/a		
			n/a		
			n/a		
			n/a		

Notes:

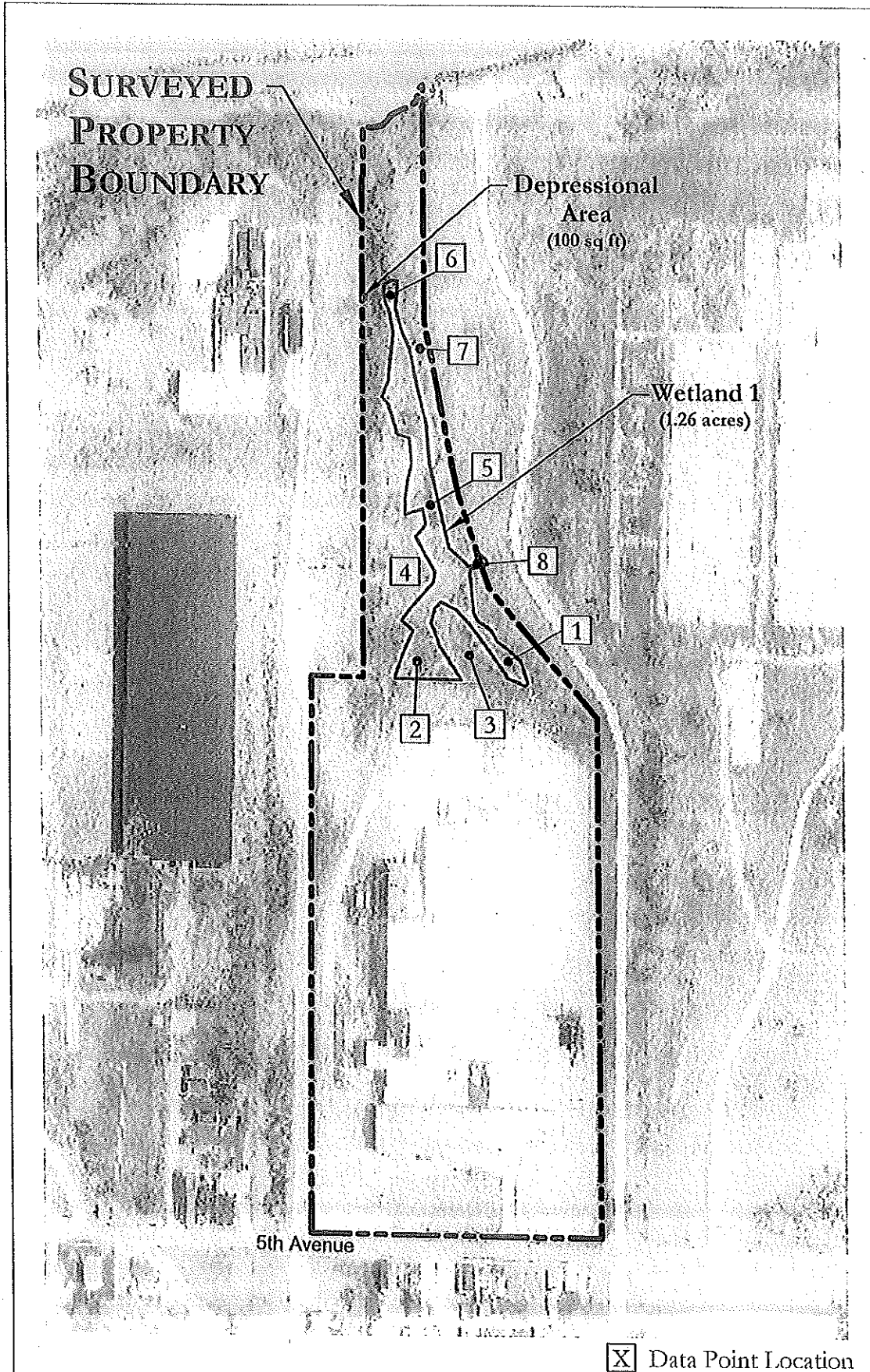


EXHIBIT 6



WABASH ALLOYS

OAK CREEK, WI



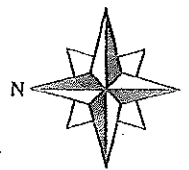
SURVEYED
WETLAND
BOUNDARY ON
AERIAL
PHOTOGRAPH




DATE OF PHOTO:
2010



SCALE:
1" = 300'



 Data Point Location