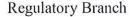


### DEPARTMENT OF THE ARMY

NASHVILLE DISTRICT, CORPS OF ENGINEERS 3701 BELL ROAD NASHVILLE, TENNESSEE 37214

August 23, 2013



AUE 30 2013 SUBJECT: File No. LRN-2012-00738; Required Mitigation in Response to an Unauthorized Deposition of Fill Material into Jurisdictional Wetlands Located at Duer Soccer Complex Near Black Drowning Creek Mile 1.4L, Obed River Mile 34.6L, Crossville, Cumberland County, Tennessee

Honorable Mayor J.H. Graham III City of Crossville 392 N. Main Street Crossville, TN 38555

### 2<sup>nd</sup> NOTICE OF UNAUTHORIZED ACTIVITIES

Dear Honorable Mayor Graham:

This is a follow-up letter from our April 15, 2013 conversation and previous January 22. 2013 letter regarding the above unauthorized subject work located at Duer Soccer Complex, 558 Crossroads Drive, Crossville, Tennessee 38555 (Latitude 35.9992 Longitude -85.0597). This project has been assigned number LRN-2012-00738. Please refer to this number in any future correspondence.

On April 3, 2013, this office conducted a follow-up onsite investigation of your property at the above location. Based upon all available information, onsite observations, and data collected, the Corps has determined that an estimated five acres of wetlands have been impacted by the deposition of fill material into waters of the U.S. The Corps has determined that both the City of Crossville and Mr. Dewey Hicks, J. Hicks Excavating, have performed this unauthorized activity subject to enforcement under Section 301 of the CWA, which prohibits the discharge of dredged or fill material into these waters unless the discharge is authorized by a Department of the Army (DA) permit in accordance with Section 404 of the same act (33 USC 1344). In the absence of an approved jurisdictional determination, the City agreed to accept the Corps' preliminary determination that five acres of wetlands were impacted by fill. This agreement was reached during our meeting with you and others on January 28, 2013. Enclosed please find the Preliminary Jurisdictional Determination (PJD) for your review and signature. If acceptable, please return the signed original PJD, and keep a copy for your records.

The Corps will require compensatory mitigation for 5 acres of unauthorized wetland impacts at a 2:1 ratio if you choose to mitigate with payment into the Tennessee Mitigation Fund, a

wetlands mitigation In-Lieu-Fee (ILF) program managed by the Tennessee Wildlife Federation. You may contact Mr. Chad Whittenburg, Director of the Tennessee Mitigation Fund, at (615) 353-1133 or via email at <a href="mailto:cwhittenburg@tnwf.org">cwhittenburg@tnwf.org</a> for more information. Should you choose this option, we request that you provide a copy of the receipt of payment into the ILF program. In consideration of the dual responsibility of both J. Hicks Excavating, Inc. and the City of Crossville, this office is willing to accept an equally-shared mitigation offer if this option is chosen. Alternately, permittee-responsible mitigation is an option under justifiable circumstances if mitigation cannot be met through an approved ILF program. However, use of permittee-responsible mitigation would require a determination that the proposed mitigation is environmentally preferable to the use of the ILF program and would require your preparation of a mitigation plan in accordance with 33 CFR 332.4(c).

The Corps requests notification to this office regarding your decision on the PJD and compensatory mitigation within <u>15</u> days of the date of this letter. You are not authorized to perform additional work in waters of the U.S. without prior approval from this office. If you have any questions, please contact Ms. Deborah Tuck at the above address, telephone (615) 369-7518 or email <u>deborah.t.tuck@usace.army.mil</u>.

Sincerely,

Eric Reusch

Chief, Eastern Regulatory Section

Operations Division

Enclosures:

Wetland Determination Data forms Wetland Boundary Map NWI Map Preliminary Jurisdictional Determination

### Copy Furnished:

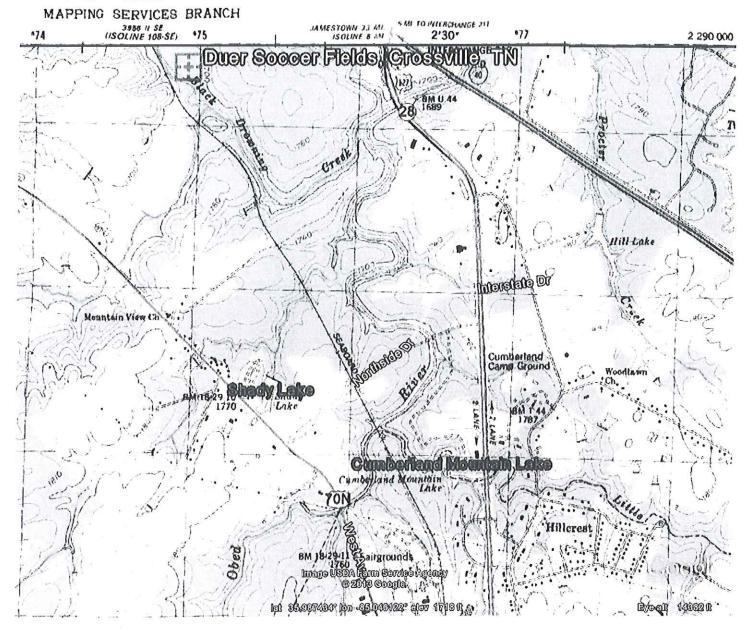
Tracy Daugherty (via email) TDEC, Water Resources Division 1221 South Willow Avenue Cookeville, TN 38506

Mr. Jim Mitchell (via email) J. Hicks Construction 48 Porcelain Tile Drive Crossville, TN 38555

Mr. Dewey Hicks J. Hicks Construction 48 Porcelain Tile Drive Crossville, TN 38555

Ms. Elizabeth McGuire, USEPA (via email) Regional 4 Wetlands, Coastal & Oceans Branch 61 Forsyth Street, SW Atlanta, GA 30303-8960

UNITED STATES :NNESSEE VALLEY AUTHORITY





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

	The second secon		The second secon	
Applica	Applicant: City of Crossville	File Number:	File Number: LRN-2012-00738	Date: 21 June 2013
Attached is:	si b:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	nit or Letter of p	ermission)	¥
	PROFFERED PERMIT (Standard Permit or Letter of permission)	er of permission		В
	PERMIT DENIAL			O
	APPROVED JURISDICTIONAL DETERMINATION	TION		Q
×	PRELIMINARY JURISDICTIONAL DETERMINATION	NATION		ш

mation may be found at http://usace.army.mil/inet/functions/cw/cocwo/reg or Corps regulations at 33 CFR Part 331 A: INITIAL PROFFERED PERMIT: You may accept or object to the permit SECTION I - The following identifies your rights information may be found at the first

- 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. ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final
- 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 modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may; (a) 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

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFERED 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

KIGHI OF ENIRY: Your signature below grants the right of entry to Co	are 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	e of the appeal process. You will be provided a 15 day
notice of any site investigation, and will have the opportunity to participate in a	in all site investigations.

Dat	ıtc:	Telephone number:	
Signature of appellant or agent.			

Project/Site: Duer Soccer Fields	City/County: Crossville/Cumberland County Sampling Date: 4/3/2013
Applicant/Owner: City of Crossville	City/County: Crossville/Cumberland County Sampling Date: 4/3/2013  State: TN Sampling Point: 1
Investigator(s): Matthew Granstaff & Debbie Tuck	Section, Township, Range:
Landform (hillslope, terrace, etc.); Floodplain	Local relief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): Lat: 36.001	Long: -85.062 Datum: NAD83
Soil Map Unit Name: Atkins Loam	NWI classification: PFO1A & PFO1C
Are climatic / hydrologic conditions on the site typical for this time	
Are Vegetation, Soil, or Hydrology signifi	V
Are Vegetation, Soil, or Hydrology natura	
	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?         YesX	Is the Sampled Area within a Wetland? Yes X No
Areas southeast of Point 1 has had a signi construction of the Duer Soccer Fields for	ficant amount of fill placed on-site to aid in the the City of Crossville
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	Surface Soil Cracks (B6)
Surface Water (A1)	atic Plants (B14) Sparsely Vegetated Concave Surface (B8)
	n Sulfide Odor (C1)
	Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) of Reduced Iron (C4) Dry-Season Water Table (C2)
	or f Reduced Iron (C4) Dry-Season Water Table (C2) From Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
The street and the second seco	kk Surface (C7) Saturation Visible on Aerial Imagery (C9)
	xplain in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:  Surface Water Present? Yes X No Depth (in	nches): 3-4 inches
Water Table Present? Yes X No Depth (ii	
Saturation Present? Yes X No Depth (iii	
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial	100 5000
Describe Necotice Data (Stream gauge, monitoring well, actual	protos, provide inspectioner, in evaluation
Remarks:	
Hydrology indicators and hydrology preser	ıt.
	*

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 square meters )  1. Betula nigra		Species? Yes		Number of Dominant Species That Are OBL, FACW, or FAC:	4	<b>(</b> \)
2. Acer rubrum	$-\frac{1}{3}$	No	FAC	That Ale OBL, FACW, of FAC.		, (A)
3. Quercus alba	1	No	FACU	Total Number of Dominant Species Across All Strata:	6	(B)
4				e and the second	-	. (0)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	67%	(A/B)
6			<u> </u>	Prevalence Index worksheet:		
7			<del>y </del>	Total % Cover of:	Multiply by:	
Sapling Stratum (Plot size: 30 square meters )		= Total Co	ver	OBL species x		
1. Ulmus rubra	5	Yes	FAC	FACW species x		
2. Ilex opaca	5	Yes	FACU	FAC species x		
3				FACU species x		
4				UPL species x	5 =	
5				Column Totals: (A		
3				Prevalence Index = B/A =		
7	The state of the s			Hydrophytic Vegetation Indica	10 m	
Ohanib Ohadama (Diataina)		= Total Cov	ver	1 - Rapid Test for Hydrophy		
Shrub Stratum (Plot size:)				2 - Dominance Test is >50%	3	
1				3 - Prevalence Index is ≤3.0		
2			7.	4 - Morphological Adaptation	ns <sup>1</sup> (Provide sup	porting
4				data in Remarks or on a	separate sheet)	
5		30		Problematic Hydrophytic Ve	getation1 (Expla	in)
6						
7				<sup>1</sup> Indicators of hydric soil and wet be present, unless disturbed or p		must
and the second s		= Total Cov	/er	Definitions of Five Vegetation		
Herb Stratum (Plot size: 30 square meters )		***********		Definitions of Five vegetation	Strata.	
Carex spp.		Yes	FACW	Tree – Woody plants, excluding approximately 20 ft (6 m) or more		2 in
Scirpus spp.	15	Yes	FACW	(7.6 cm) or larger in diameter at		
B				Sapling – Woody plants, exclud	ing woody vinos	
<u> </u>	<del>-</del>		:: <del></del>	approximately 20 ft (6 m) or more		
				than 3 in. (7.6 cm) DBH.		
S				Shrub - Woody plants, excludin	g woody vines,	
7,			-	approximately 3 to 20 ft (1 to 6 m	n) in height.	
3				Herb - All herbaceous (non-woo	ody) plants, inclu	ıdina
)			-	herbaceous vines, regardless of	size, and woody	y
10			3	plants, except woody vines, less 3 ft (1 m) in height.	than approxima	itely
1	=					
2	65	 Total Cov		Woody vine – All woody vines, r	regardless of hei	ight.
Noody Vine Stratum (Plot size: 30 square meters )		= Total Cov	rei			
Rosa multiflora	10	Yes	FACU			
2.						
3.						
				Hydrophytic		
				Vegetation   Present?   Yes_X	No	
	10	Total Cov	rer	to concern APACONT Media.	· actions	
Remarks: (Include photo numbers here or on a separate	a choot )			I.		

Sampling Po	int:	

-	-	
·	7	
•	v	

Profile Desc	ription: (Describe	to the dep	th needed to docu	nent the in	dicator	or confirm	the abser	nce of indicators.)
Depth	Matrix			x Features	- 1	. 2		D.
(inches)	Color (moist)	4000/	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
0-2	10YR 5/4	100%					-	7
2+	10YR 3/2	90%	10YR 5/6	5-10%				
						-	19	
-		-	St.				-	
			-					
	P. Commission of the Commissio		-	·				
	( <del>-</del>		-		72			Y
	0						1=	
	(3							
<sup>1</sup> Type: C=Co	ncentration D=Den	letion RM:	=Reduced Matrix, M	S=Masked S	Sand Gra	ains.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		notion, rain	rtoddodd indinx, in	o maonoa c	Julia Oli			dicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Dark Surface	(S7)				2 cm Muck (A10) (MLRA 147)
111 11 11 11 11 11 11 11 11 11 11 11 11	ipedon (A2)		Polyvalue Be	2000	e (S8) (M	ILRA 147,	148)	Coast Prairie Redox (A16)
Black His	stic (A3)		Thin Dark Su	ırface (S9) (	MLRA 1	47, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		2)			Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) <b>(LRR N)</b> I Below Dark Surfac	ω (Δ11)	Redox Dark Depleted Da				-	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	rk Surface (A12)	C (ATT)	Redox Depre				F	Other (Explain in Remarks)
	ucky Mineral (S1) (I	LRR N,	Iron-Mangan			LRR N,		
	147, 148)		MLRA 13				12	8
	leyed Matrix (S4)		Umbric Surfa					Indicators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	odplain Soi	ls (F19)	(MLRA 148	8)	wetland hydrology must be present,
	Matrix (S6) ayer (if observed):	ro						unless disturbed or problematic.
Type:	ayer (ii observed).	N.						
Depth (inc	hae).						Hydric S	oil Present? Yes X No
Remarks:							Tiyano o	01116361K1 163 110
Si	te is inundate	ed and s	saturated. Wa	iter mar	ks are	visible	on tree	es within the wetland area
								li li
								*

Project/Site: Duer Soccer Fields City/C	County: Crossville/Cumberland County Sampling Date: 4/3/2013				
Applicant/Owner: City of Crossville	State: TN Sampling Point: 7				
Investigator(s): Matthew Granstaff & Debbie Tuck Section	on, Township, Range:				
Landform (hillslope, terrace, etc.): Floodplain Local rel Subregion (LRR or MLRA): Lat: 36.00047	ief (concave, convex, none): Concave Slope (%): 2				
Subregion (LRR or MLRA): Lat: 36.00047	Long: -85.061663 Datum: NAD83				
Soil Map Unit Name: Atkins Loam  Are climatic / hydrologic conditions on the site typical for this time of year? Y	NWI classification: PFO1A & PFO1C				
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrology naturally problems					
SUMMARY OF FINDINGS - Attach site map showing sam					
Hydrophytic Vegetation Present?         YesX No	Is the Sampled Area within a Wetland? Yes No _X				
Adjacent to Data Point 7 the area to the east has hin the construction of the Duer Soccer Fields for the	ner program ( Table ) to the contract of the c				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants (	B14) Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Hydrogen Sulfide Ode					
Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduced	·• · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2)  Prift Deposits (B3)  Recent Iron Reduction Thin Muck Surface (C	100 March 100 Ma				
Algal Mat or Crust (B4)  Other (Explain in Ren					
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aguitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No _X _ Depth (inches):					
Water Table Present? Yes No _X _ Depth (inches):					
Saturation Present? Yes No _X Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No _X				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:				
Remarks:					
No Hydrology indicators and/or hydrology present.					
The right of one of the rest o					

VEGETATION (Five Strata) – Use scientific r	names of	plants.		Sampling Point: 7
20 aguara matara	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 square meters )  1. Pinus echinata	% Cover 30	Species? Yes	Status UPL	Number of Dominant Species
	10		FACW	That Are OBL, FACW, or FAC: 5 (A)
2. Fraxinus pennsylvancia	- <del>10</del>	Yes	FAC	Total Number of Dominant
3. Acer rubrum		No	FAC	Species Across All Strata: 7 (B)
4		-		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71% (A/B)
6			V	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
Sapling Stratum (Plot size: 30 square meters )	45	= Total Cov	er	OBL species x 1 =
1. Acer rubrum	10	Yes	FAC	FACW species x 2 =
2. Salix nigra	5	Yes	OBL	FAC species x 3 =
3. Pinus echinata	1	No	UPL	FACU species x 4 =
		-		UPL species x 5 =
4				Column Totals: (A) (B)
5				(5)
6				Prevalence Index = B/A =
7	40	= Total Cov		Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)		- Total Cov	ei	1 - Rapid Test for Hydrophytic Vegetation
1				✓ 2 - Dominance Test is >50%
2.				3 - Prevalence Index is ≤3.01
3.				4 - Morphological Adaptations (Provide supporting
4				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				a a
7	7.			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	-	= Total Cov	er	Definitions of Five Vegetation Strata:
Herb Stratum (Plot size: 30 square meters )				Definitions of Five vegetation Strata.
1. Festuca arundinacea	15	Exotic	FACU	Tree - Woody plants, excluding woody vines,
2. Microstegium vimineum	_ 5	Yes	FAC	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
3. Panicum spp.	_ 5	Yes	Unknown	
Apois americana	_ 5	Yes	FACW	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
5				than 3 in. (7.6 cm) DBH.
6	-			Shrub – Woody plants, excluding woody vines,
7	-			approximately 3 to 20 ft (1 to 6 m) in height.
8	2(			
9		. <del></del>		Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
10				plants, except woody vines, less than approximately
11	4			3 ft (1 m) in height.
12				Woody vine – All woody vines, regardless of height.
	15 ;	= Total Cov	er	W 27 27 28 2
Woody Vine Stratum (Plot size:)				
1			-	
2				
3				Hydrophytic
4				Vegetation
5				Present? Yes X No
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate a		inable to	he identii	fied since no fruit present at time of delineation

Fescue not counted towards hydrophytic determination since fescue has been planted and within area is a managed area.

	7
Sampling	Doint: /
Sampling	FUIII.

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c	$\boldsymbol{\Gamma}$	
o	u	ш.

	ription: (Describe to the de	pth needed to document the indicator or confirm	the absence	of indicators.)
Depth	Matrix Color (moist) %	Redox Features Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
(inches)	10YR 5/6	Color (moist) % Type Loc	rexture	Remarks
0-12	1018 5/6			··
×				
		·		-
):		· · · · · · · · · · · · · · · · · · ·		
15			; <del></del>	-
			V	
-				-
-	<u> </u>		·	
		M=Reduced Matrix, MS=Masked Sand Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:			ators for Problematic Hydric Soils <sup>3</sup> :
Histosol		Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	ipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147,	148)C	Coast Prairie Redox (A16)
Black Hi		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	n Sulfide (A4)	Loamy Gleyed Matrix (F2)	ШР	Piedmont Floodplain Soils (F19)
	Layers (A5) ck (A10) <b>(LRR N)</b>	Depleted Matrix (F3) Redox Dark Surface (F6)	Пр	(MLRA 136, 147) Red Parent Material (TF2)
	Below Dark Surface (A11)	Depleted Dark Surface (F7)		ery Shallow Dark Surface (TF12)
	rk Surface (A12)	Redox Depressions (F8)	1 1	Other (Explain in Remarks)
	ucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,		,
	147, 148)	MLRA 136)		
Sandy G	leyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	<sup>3</sup> Ind	icators of hydrophytic vegetation and
Sandy R	edox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14)	8) w	retland hydrology must be present,
	Matrix (S6)		u	nless disturbed or problematic.
	ayer (if observed):			
Туре:		<del></del>		V
Depth (inc	hes):		Hydric Soil	Present? Yes No X
Remarks:	adata a affa a a di baradat	:: :: - :: - : - : - : - : - : -		
П	yarıc solis and nyarı	c soil indicators are not present.		
		2		

Project/Site: Duer Soccer Fields	City/County: Crossville/Cumberland County Sampling Date: 4/3/2013
Applicant/Owner: City of Crossville	State: TN Sampling Point: 12
	Section, Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Loc	al relief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): Lat: 35.999585	Long: -85.061135 Datum: NAD83
Soil Man Unit Name: Atkins Loam	NWI classification: PFO1A & PFO1C
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)  disturbed? Are "Normal Circumstances" present? Yes No No
Are Vegetation , Soil , or Hydrology significantly of	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally prol	
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No _X	
Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes No X
Hydrophytic Vegetation Present?         Yes         No         X           Hydric Soil Present?         Yes         X         No            Wetland Hydrology Present?         Yes         No         X	Within a Wettalia: 165 NO
Remarks:	
	ignificant amount of fill placed on-site to aid in the
construction of the Duer Soccer Fields for the C	City of Crossville.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	ants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfid	e Odor (C1) Drainage Patterns (B10)
	pheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Rec	The state of the s
	luction in Tilled Soils (C6) Crayfish Burrows (C8)  Ince (C7) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)  Algal Mat or Crust (B4)  Thin Muck Surfa	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aguitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X _ Depth (inches):  Water Table Present? Yes No _X _ Depth (inches):	
V	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:
Remarks:	
Drainage patterns within sample point are scare	re Rased off of only having one secondary
hydrology indicator, hydrology is not present.	be. Based on or only having one secondary
Trydrology maleator, frydrology ie ffet present.	

### VEGETATION (Five Strata) – Use scientific names of plants.

VEGETATION (Five Strata) – Use scientific	names of	plants.		Sampling Point: 12
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 square meters )		Species?		Number of Dominant Species
1. Quercus alba	_ 10	Yes	FACU	That Are OBL, FACW, or FAC: 2 (A)
2. Cornus floridia	_ 5	Yes	FACU	Total Number of Dominant
3. Pinus echinata	5	Yes	UPL	Species Across All Strata: 7 (B)
4. Betula nigra	5	Yes	FACW	Descent of Deminant Species
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 28% (A/B)
6				
7		17		Prevalence Index worksheet:
	0.5	= Total Cov	er	Total % Cover of: Multiply by:
Sapling Stratum (Plot size: 30 square meters )				OBL species x 1 =
1. Ulmus rubra	5	Yes	FAC	FACW species x 2 =
2				FAC species x 3 =
3			<del></del>	FACU species x 4 =
4			*	UPL species x 5 =
5				Column Totals: (A) (B)
6				
7				Prevalence Index = B/A =
		= Total Cov	er	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)				1 - Rapid Test for Hydrophytic Vegetation
1				2 - Dominance Test is >50%
2				3 - Prevalence Index is ≤3.01
3.				4 - Morphological Adaptations (Provide supporting
4.				data in Remarks or on a separate sheet)
5.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6.				iw.
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
		= Total Cov	er	be present, unless disturbed or problematic.
Herb Stratum (Plot size: 30 square meters )				Definitions of Five Vegetation Strata:
1. Rubus agrutus	25	Yes	FACU	Tree - Woody plants, excluding woody vines,
2. Panicum spp.	10	Yes	Unknown	approximately 20 ft (6 m) or more in height and 3 in.
3.				(7.6 cm) or larger in diameter at breast height (DBH).
4.			20 00	Sapling – Woody plants, excluding woody vines,
5				approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
				than 3 m. (7.0 cm) DDH.
6				Shrub – Woody plants, excluding woody vines,
0				approximately 3 to 20 ft (1 to 6 m) in height.
8				Herb - All herbaceous (non-woody) plants, including
9				herbaceous vines, regardless of size, and woody
10				plants, except woody vines, less than approximately 3 ft (1 m) in height.
11				
12	0.5			Woody vine – All woody vines, regardless of height.
Woody Vine Stratum (Plot size:)	35	= Total Cov	er	
1				
2				
3				Hydrophytic
4				Vegetation
5				Present? Yes No X
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate	sheet.)			
Wetland hydrophytic vegetation is not	50% or a	reater.		
	9			

Profile Desc	ription: (Describe t	o the depth				or confirm	the abser	nce of indicators.)	
Depth	Matrix	%	Color (moist)	x Features %	_Type <sup>1</sup> _	Loc²	Texture	Remarks	
(inches) 0-12	Color (moist) 10YR 5/1		Color (Illoist)		_ rype_	LUC	rexture	Remarks	X .
0-12	10113/1								
n <del></del>				. ——			0		
							Y		
-									•
·				. ——		-	-		
	-				( <del></del>				-
8								_	
								_	
¹Type: C=Co	oncentration, D=Deple	etion RM=R	Peduced Matrix MS	S=Masked	Sand Gra	ains	<sup>2</sup> Location	PL=Pore Lining, M=Matrix	
Hydric Soil I		ction, raw-r	teduced Matrix, Mic	J-Washou	Ourid Ore	1110.		licators for Problematic H	
Histosol			Dark Surface	(S7)				2 cm Muck (A10) (MLRA	ā.
	oipedon (A2)		Polyvalue Be		ce (S8) (M	ILRA 147,	148)	Coast Prairie Redox (A16	
Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye		F2)			Piedmont Floodplain Soils	s (F19)
	Layers (A5)		✓ Depleted Ma		0)			(MLRA 136, 147)	\
	ck (A10) (LRR N) I Below Dark Surface	(Δ11)	Redox Dark : Depleted Dar				-	Red Parent Material (TF2) Very Shallow Dark Surfac	
	rk Surface (A12)	(Δ11)	Redox Depre					Other (Explain in Remarks	
	lucky Mineral (S1) (LI	RR N,	Iron-Mangan			RR N,		<u>-</u>	- /
	147, 148)		MLRA 13	6)					
	leyed Matrix (S4)		Umbric Surfa					Indicators of hydrophytic ve	
	edox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	8)	wetland hydrology must b	and the property of the same
	Matrix (S6) ayer (if observed):							unless disturbed or proble	mauc.
Type:	ayer (ii observed).								
Depth (inc	Ne sum						Hydric S	oil Present? Yes X	No
Remarks:							Tiyano o		
H	ydric soils pres	sent.							
	Annual Company of These poors								

Project/Site: Duer Soccer Fields	City/County: Crossville/Cumberland County Sampling Date: 4/3/2013
Applicant/Owner: City of Crossville	_ City/County: Crossville/Cumberland County Sampling Date: 4/3/2013 State: TN Sampling Point: 21
Investigator(s): Matthew Granstaff & Debbie Tuck	Section, Township, Range:
	ocal relief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): Lat: 35.998027	Long: -85.059814 Datum: NAD83
Soil Map Unit Name: Atkins Loam	NWI classification: PFO1A & PFO1C
Are climatic / hydrologic conditions on the site typical for this time of	vear? Yes X No (If no explain in Remarks )
Are Vegetation, Soil, or Hydrology significant	V
Are Vegetation, Soil, or Hydrology naturally p	
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Remarks:	a significant amount of fill placed on site to sid in the
[19] 202(2020년) 전 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	a significant amount of fill placed on-site to aid in the
construction of the Duer Soccer Fields for the	City of Crossville
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	Surface Soil Cracks (B6)
Surface Water (A1)	
High Water Table (A2)	fide Odor (C1) Drainage Patterns (B10)
Saturation (A3)	cospheres on Living Roots (C3) Moss Trim Lines (B16)
	Reduced Iron (C4) Dry-Season Water Table (C2)
Construction of the Constr	Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3)  Thin Muck Su	AND
Algal Mat or Crust (B4) Other (Explain	n in Remarks) Stunted or Stressed Plants (D1)  Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inche	
Water Table Present? Yes No X Depth (inche	
Saturation Present? Yes X No Depth (inche	s): 6 inches Wetland Hydrology Present? Yes X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Remarks:	
Hydrology indicators and hydrology present.	

VEGETATION (Five Strata) – Use scientific		<u> </u>		Sampling Point: 21
To control (Districts 30 square meters )	Absolute % Cover		Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30 square meters )  1. Quercus alba	% Cover	Species? Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
2. Acer rubrum	$-\frac{1}{1}$	Yes	FAC	That Are OBL, FACW, or FAC: 5 (A)
	·			Total Number of Dominant
3				Species Across All Strata: 7 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71% (A/B)
6		-		Prevalence Index worksheet:
7		T 1-1 0-1	*	Total % Cover of: Multiply by:
Sapling Stratum (Plot size: 30 square meters )		= Total Cov	ver	OBL species x 1 =
1. Alnus serrulata	50	Yes	OBL	FACW species x 2 =
2. Acer rubrum	25	Yes	FAC	FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
				Column Totals: (A) (B)
5				VV
6		-	: 100	Prevalence Index = B/A =
7	70		(i)	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)		= Total Cov	ver	1 - Rapid Test for Hydrophytic Vegetation
1				✓ 2 - Dominance Test is >50%
2.				3 - Prevalence Index is ≤3.0¹
3				4 - Morphological Adaptations (Provide supporting
				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				
6		-		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7		= Total Cov		be present, unless disturbed or problematic.
Herb Stratum (Plot size: 30 square meters )		= TOTAL COV	/ei	Definitions of Five Vegetation Strata:
1. Rubus agrutus	10	Yes	FACU	Tree – Woody plants, excluding woody vines,
2. Festuca arundinacea	5	Exotic	FAC	approximately 20 ft (6 m) or more in height and 3 in.
3. Carex lurida	5	Yes	FACW	(7.6 cm) or larger in diameter at breast height (DBH).
Toxidendron radicans	5	Yes	FAC	Sapling – Woody plants, excluding woody vines,
5			-	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
6.				than 3 iii. (7.0 diii) DBH.
7				Shrub – Woody plants, excluding woody vines,
8				approximately 3 to 20 ft (1 to 6 m) in height.
9.			-	Herb - All herbaceous (non-woody) plants, including
100.				herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately
10				3 ft (1 m) in height.
11		<del> </del>		All woods since regardless of height
12		= Total Cov	·or	Woody vine - All woody vines, regardless of height.
Woody Vine Stratum (Plot size:)	-	= 10(a) 007	rei	
1				
2.				
3.				
4.			-	Hydrophytic
5.				Vegetation   Present?   Yes _ X _ No
o		= Total Cov	er	
Describer (Include whate numbers here or on a congret	<del></del>			
Remarks: (Include photo numbers here or on a separate				1 1 T C 1 T C 1 T T T T T T T T T T T T
Hydrophytic vegetation present. Fesc				
considered an exotic/invasive, is within	n a mana	ged are	a, and	planted on site.

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the i	ndicator	or confirm	the absence	of indicat	ors.)	
Depth	Matrix			x Features						
(inches)	Color (moist)	%	Color (moist)	%	Type	_Loc <sup>2</sup> _	Texture		Remarks	
0-3	10YR 5/3	100%		a——				18		
3+	10YR 4/2	97%	10YR 5/6	2+%	d:			y-		
, <del>-</del>	-									_
-	W									•
·	0				///			1		-
	-							H <u>erosa</u>		
12		-						S		
								-		
¹Type: C=Co	ncentration, D=Dep	letion, RM:	Reduced Matrix, MS	S=Masked	Sand Gr	ains.			ing, M=Matrix.	72
Hydric Soil I							Indica	ators for P	roblematic Hyd	dric Soils³:
Histosol	(A1)		Dark Surface						A10) (MLRA 14	17)
	ipedon (A2)		Polyvalue Be				148)C		Redox (A16)	
Black His			Thin Dark Su			47, 148)	По	(MLRA 14	17 <b>, 148)</b> oodplain Soils (l	E10\
	n Sulfide (A4) Layers (A5)		<ul><li>Loamy Gleye</li><li>✓ Depleted Mat</li></ul>		F2)			(MLRA 13		19)
	ck (A10) (LRR N)		Redox Dark S		6)		□R	77	Material (TF2)	
	Below Dark Surface	e (A11)	Depleted Dar						v Dark Surface	(TF12)
NO. 11. 11. 11. 11. 11. 11. 11. 11. 11. 1	rk Surface (A12)		Redox Depre	Section of the second section of the second section of the second section sect	10 M	. 2520000		ther (Expla	in in Remarks)	
	ucky Mineral (S1) (L	.RR N,	Iron-Mangane		es (F12) (	LRR N,				
	. <b>147, 148)</b> leyed Matrix (S4)		Umbric Surfa		MI RA 13	6. 122)	3Ind	icators of h	ydrophytic vege	etation and
	edox (S5)		Piedmont Flo						rology must be	ACCUSED AND THE ACCUSED AND AC
	Matrix (S6)			2.00		•2	(C)	nless distur	bed or problem	atic.
Restrictive L	ayer (if observed):									
Туре:									~	
Depth (inc	hes):						Hydric Soil	Present?	Yes X	No
Remarks:	dric soils pre	cont								
III.	fulle soils pie	SCIIL								
18										

Project/Site: Duer Soccer Fields City	/County: Crossville/Cumberland County Sampling Date: 4/3/2013
Applicant/Owner: City of Crossville	State: TN Sampling Point: 25
Investigator(s): Matthew Granstaff & Debbie Tuck Sec	
Landform (hillslope, terrace, etc.): Floodplain Local re	elief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): Lat: 35.998287	Long: -85.058647 Datum: NAD83
Soil Map Unit Name: Atkins Loam	NWI classification: PFO1A & PFO1C
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?         YesX No           Hydric Soil Present?         YesX No           Wetland Hydrology Present?         YesX No	Is the Sampled Area within a Wetland? Yes X No
Areas to the north of data point 25 have had a sig construction of the Duer Soccer Fields for the City (northeast from data point 25).	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
✓ Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O  ✓ Saturation (A3) Oxidized Rhizosphe	eres on Living Roots (C3) Moss Trim Lines (B16)
✓ Water Marks (B1) Presence of Reduce	and the control of th
	ion in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3)	
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches): 2-	3 inches
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches): St	urface Wetland Hydrology Present? Yes X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
3	
Remarks:	
Hydrology indicators and hydrology present.	
	,
I	

Tree Stratum (Plot size: 30 square meters	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Betula nigra	75	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. Acer rubrum	10	No	FAC	
3	·			Total Number of Dominant Species Across All Strata:  4 (B)
4				Opecies Across Air Strata.
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6.		W	-	That Are OBL, FACW, or FAC: 100% (A/B)
7		**		Prevalence Index worksheet:
	85	= Total Co	ver	Total % Cover of: Multiply by:
Sapling Stratum (Plot size: 30 square meters )				OBL species x 1 =
1. Alnus serrulata	60	Yes	OBL	FACW species x 2 =
2. Acer rubrum	30	Yes	FAC	FAC species x 3 =
3				FACU species x 4 =
4	8 <del>1</del>			UPL species x 5 =
5				Column Totals: (A) (B)
3				5 1 1 5 7
7				Prevalence Index = B/A =
	00	= Total Cov	ver	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)				1 - Rapid Test for Hydrophytic Vegetation
1.,				✓ 2 - Dominance Test is >50%
2				3 - Prevalence Index is ≤3.0¹
3	00 <del></del> 0		-	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
4			<u> </u>	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5		s <del></del>		
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
Herb Stratum (Plot size: 30 square meters )		= Total Cov	ver	Definitions of Five Vegetation Strata:
	10	Yes	FACW	Tree – Woody plants, excluding woody vines,
				approximately 20 ft (6 m) or more in height and 3 in.
2				(7.6 cm) or larger in diameter at breast height (DBH).
3.				Sapling – Woody plants, excluding woody vines,
1				approximately 20 ft (6 m) or more in height and less
5				than 3 in. (7.6 cm) DBH.
3				Shrub - Woody plants, excluding woody vines,
7				approximately 3 to 20 ft (1 to 6 m) in height.
3				Herb – All herbaceous (non-woody) plants, including
9.				herbaceous vines, regardless of size, and woody
10.				plants, except woody vines, less than approximately 3 ft (1 m) in height.
11				The Court of the C
12.	16			Woody vine – All woody vines, regardless of height.
Noody Vine Stratum (Plot size:)		= Total Cov	/er	
1				
2.				
3.		A		
			-	Hydrophytic
l				Vegetation   Present?   Yes X No
D		= Total Cov		Present? Yes _^ No
		- Total Cov		
Remarks: (Include photo numbers here or on a separate si	heet.)			

Profile Desc	ription: (Describe	to the dep	th needed to docu	ment the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix			x Feature		1 - 2	т.,,		Depreside	
(inches) 0-7	Color (moist)	100%	Color (moist)	%	_Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	*	Remarks	
	10YR 3/2	. — —	101/0 5/0				-	80-		
7+	10YR 4/1	95%	10YR 5/8	5%	56 <del>1———</del> S			X0		
	<b>2</b>							0		
					××× = = = 30	N		y		
		-						3		
								A		
								-		127
<u> </u>								-		
·										
	•									
	ncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ins.			ing, M=Matrix.	
Hydric Soil I	ndicators:						-		roblematic Hyd	
Histosol	A CONTRACTOR OF THE PARTY OF TH		Dark Surface		100) 100				A10) (MLRA 14	17)
	ipedon (A2)		Polyvalue Be		D. 15 15		148)	oast Prairie 14 MLRA)	e Redox (A16)	
Black His	n Sulfide (A4)		Thin Dark Su Loamy Gleye			47, 146)	П		oodplain Soils (i	F19)
	Layers (A5)		✓ Depleted Ma		/		!·	(MLRA 13	file applications or more an	,
	ck (A10) (LRR N)		Redox Dark		6)			Red Parent I	Material (TF2)	
	Below Dark Surface	e (A11)	Depleted Da		1400000				v Dark Surface	(TF12)
The second secon	rk Surface (A12)	DD N	Redox Depre	4.53		DD N		Other (Expla	in in Remarks)	
The second contract	ucky Mineral (S1) (L 147, 148)	.RR N,	Iron-Mangan MLRA 13		es (F12) (I	.RR N,				
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	3Inc	licators of h	ydrophytic vege	etation and
	edox (S5)		Piedmont Flo						ology must be i	COURT OF CONTRACTOR CONTRACTOR
Stripped	Matrix (S6)						U	nless distur	bed or problem	atic.
	ayer (if observed):									
F15 12 15			s						ΥΥ	
	hes):						Hydric Soil	Present?	Yes X	No
Remarks:	dric soils pre	sent								
	and done pro	OOM								
						26				
										•

LRN Number:

LRN-2012-00738

Name:

Areas to the North

Pictures:



Description:

Photo taken facing North. Photo depicts hydrophytic vegetation and hydrology above the current soccer fields. Photo take neat Data Point 1.

LRN Number:

LRN-2012-00738

Name:

Outflow from Sediment/Detention P

Pictures:



Description:

Photo taken facing West. Photo shows culvert outflow. Photo taken approximately in the middle of the Soccer fields.

LRN Number:

LRN-2012-00738

Name:

Areas to the West

Pictures:



Description:

Photo taken facing West close to data points 20 and 21.

LRN Number:

LRN-2012-00738

Name:

Areas to the South

Pictures:



Description:

Photo taken facing South. Area adjacent to Soccer Fields. Photo depicts hydrology and hydrophytic vegetation.

LRN Number:

LRN-2012-00738

Name:

Typical soils found in the Southern

Pictures:



Description:

Photo of taken of hydric soils typical of wetland areas to the north and south of soccer fields.



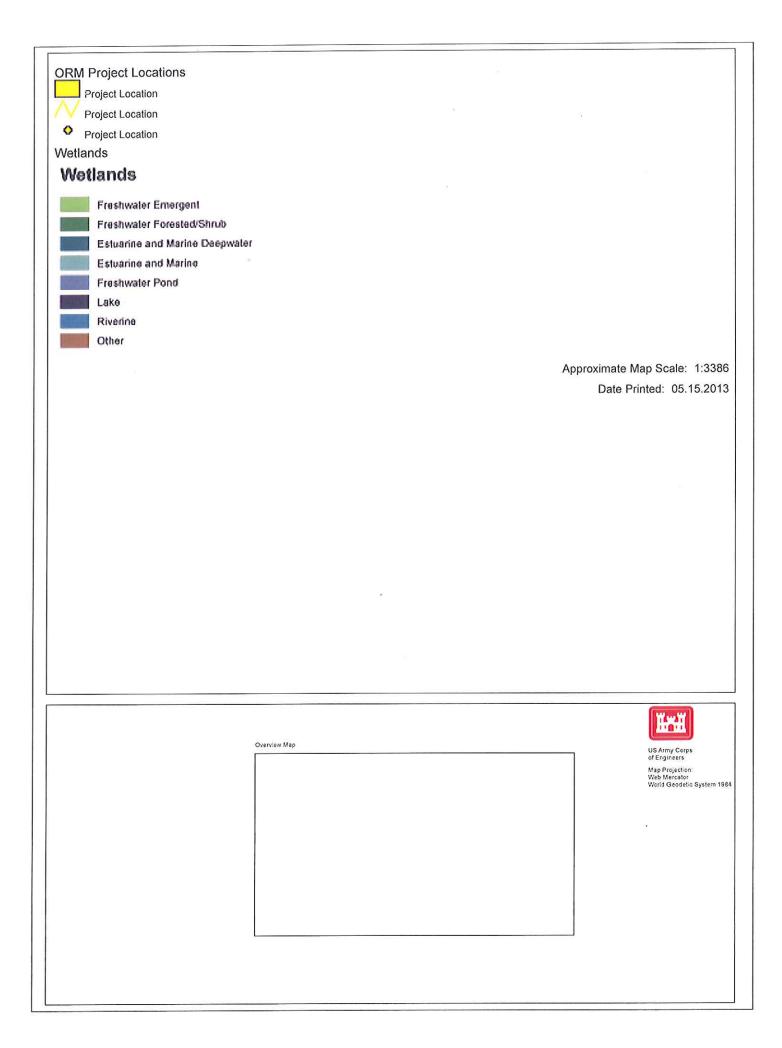
### FN LRN 2012-00738 City of Crossville Duer Soccer Field 5 ac wetland fill

Overview Map





US Army Corps of Engineers Map Projection: Web Mercator





Crossville Duer Soccer Field Way 17, 2013

### Wetlands

Estuarine and Marine Deepwater Freshwater Forested/Shrub Freshwater Emergent

Estuarine and Marine

Freshwater Pond

Riverine

Other

## Lå

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map, All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

### User Remarks:

Unauthorized Wetland Fill

### ATTACHMENT

### PRELIMINARY JURISDICTIONAL DETERMINATION FORM

Field Determination. Date(s): 3 July 2012; 3 Apr 2013

### BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): 3 July 2012; update 3 Apr 2013.
- B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD: N/A; Regulatory Onsite Inspection of the Property, Alleged Deposition of Fill Material into Potential Jurisdictional Wetlands.
- C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Nashville, City of Crossville, FN LRN-2012-00738
- D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION: Duer Soccer Complex, 558 Crossroads Drive, Crossville, Tennessee 38555

The City of Crossville deposited fill material into potential jurisdictional wetlands (~5acres) without prior Department of the Army authorization.

### (USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: TN	
Center co	ordinates of site (lat/long in degree decimal format): (Latitude 35.999292, Longitude -85.059757, TN-Isoline
Quadrang	gle) [HUC 6010208 Emory River, TN]
Universal	Transverse Mercator: UTM 83
Name of	nearest waterbody: Black Drowning Creek Mile 1.4L, Obed River Mile 34.6L
Identify (	estimate) amount of waters in the review area: 8-10 ac
Non-wetl	and waters linear feet: width (ft) and/or acres. Cowardin Class: Stream Flow: Perennial
Wetlands	: 5 acres. Cowardin Class: palustrine
	any water bodies on the site that have been identified as Section 10 waters: n/a Tidal:
	Non-Tidal:
Laboratoria de la companya de la com	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): Office (Deck) Determination Date:

- 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 "pre-construction 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.

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:

SUPPO	RTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in				
case	e file and, where checked and requested, appropriately reference sources below):				
$\boxtimes$	Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant.				
$\boxtimes$	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.				
$\bowtie$	Data sheets prepared by the Corps: Wetland Determination Data Forms – Apr 2013				
Ħ	Corps navigable waters' study:				
Ħ	U.S. Geological Survey Hydrologic Atlas: HA-730-K.				
	☑ USGS NHD data.				
	☑ USGS 8 and 12 digit HUC maps. [HUC 060102080302 Emory River, TN]				
$\boxtimes$	U.S. Geological Survey map(s). Cite scale & quad name: 1:24000; TN-ISOLINE				
USDA Natural Resources Conservation Service Soil Survey. Citation: Web Soil Survey, accessed National wetlands inventory map(s). Cite name: Quad above.					
×	FEMA/FIRM maps: Crossville, Google overlay				
	100-year Floodplain Elevation is:				
	(National Geodectic Vertical Datum of 1929)				
$\bowtie$	Photographs:   Aerial (Name & Date):1997-2012				
	or Other (Name & Date): onsite pictorial 3 July 2012; 3 Apr 2013				
	Previous determination(s). File no. and date of response letter:n/a				
Ħ	Other information (please specify):				
	Cite monaton (prese species)				
IMPOR'	TANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and				
should n	ot be relied upon for later jurisdictional determinations.				
JIIOUIU II					
1					
Tlud	L'7/3/13; 4/17/13 eptated				
Signature	e and date of Signature and date of person				
	ry Project Manager requesting preliminary JD				
(REQUIRED) (REQUIRED - unless obtaining the signa					
(ALQUII	impracticable)				

Example list

Site number	Latitude N	Longitude W	Cowardin Class	Estimated amount of aquatic resource in review area & footprint impact	Class of aquatic resource
1	35.999292	-85.059757.	Palustrine	10 ac review/5 ac impact	Wetland (Section 404) Contiguous to Black Drowning Creek

Please indicate if wetland abuts, is within, contiguous to X water or isolated (no surface connection)