ORAM v. 5.0 Field Fo	orm Quantitative Rating			
Site: EVPO	01 Wetland J R	ater(s): ら, H	errelson, Dwell	Date: 6/17/0
20,5		H, Cr	DWEI1	/ /
-10 10.5	Metric 5. Special We	tlands.		
max 10 pls. subtotal	Check all that apply and score as indicated. Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetland Lake Plain Sand Prairies (Oak Opellic Relict Wet Praires (10) Known occurrence state/federal the Significant migratory songbird/wate	I-restricted hydrology (5, enings) (10) reatened or endangered er fowl habitat or usage	l species (10) (10)	
-3 7,5	Metric 6. Plant comn		•	rotopography.
max 20 pts. subtotal	6a. Wetland Vegetation Communities.	Vegetation Commun		
1	Score all present using 0 to 3 scale. Aquatic bed Emergent Shrub	1	Absent or comprises <0.1ha (0 Present and either comprises s vegetation and is of moderate significant part but is of low of	small part of wetland's e quality, or comprises a
,	Forest Mudflats Open water	2	part and is of high quality	e quality or comprises a small
	Other 6b. horizontal (plan view) Interspersion. Select only one.	3	Present and comprises signific vegetation and is of high qua	•
Ø	High (5) Moderately high(4) Moderate (3)	low	n of Vegetation Quality Low spp diversity and/or predo disturbance tolerant native sp	
,	Moderately low (2) Low (1) X None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	mod	Native spp are dominant comp although nonnative and/or dis can also be present, and spe moderately high, but generall threatened or endangered sp	sturbance tolerant native spp cies diversity moderate to lyw/o presence of rare
15	or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	ed high	A predominance of native spec and/or disturbance tolerant n absent, and high spp diversit the presence of rare, threater	ative spp absent or virtually y and often, but not always,
	Absent (1)	Mudflat and Open W		-
	6d. Microtopography. Score all present using 0 to 3 scale.	0 1	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47	acres)
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.	
_	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
1	Standing dead >25cm (10in) dbh	Microtopography Co	over Scale	

Category 1

GRAND TOTAL(max 100 pts)

Absent

of marginal quality

and of highest quality

Present very small amounts or if more common

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts

0

2

Site: E	EVPØQ	1 WotlandK	Rater(s):	s. Harrelson,	Date: 0/17/08
2	2	Metric 1. Wetland	d Area (size)	H. Crowel	· /
max 6 pts.		select one size class and assign sco >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <2 10 to <25 acres (4 to <10.1 3 to <10 acres (1.2 to <4ha	re.) (0.2ha) (5 pts) ha) (4 pts)) (3 pts)		
		(0.3 to <3 acres (0.12 to <1. 0.1 to <0.3 acres (0.04 to < <0.1 acres (0.04ha) (0 pts)	0.12ha) (1 pt)		
1		Metric 2. Upland			nd use.
max 14 pts.	Ø	NARROW. Buffers average X VERY NARROW. Buffers b. Intensity of surrounding land use	m (164ft) or more around 25m to <50m (82 to <16 e 10m to <25m (32ft to < average <10m (<32ft) ard 5. Select one or double of	wetland perimeter (7) 4ft) around wetland perimeter (4) 82ft) around wetland perimeter (1) bund wetland perimeter (0)	
	1	LOW. Old field (>10 years), shrubland, young seco sidential, fenced pasture,	nd growth forest. (5) park, conservation tillage, new fallo	ow field. (3)
11.5	14.5	Metric 3. Hydrolo		.,,	· ·
max 30 pts.	subtotal	Ida. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfater Perennial surface water (la Maximum water depth. Select on 10.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (3) 0.4 m (<15.7in) (1) 0.5 Modifications to natural hydrologous discounts (5)	t apply. ace water (3) ake or stream) (5) nly one and assign score (2)	Part of wetland/ Part of riparian of ripar	lain (1) n/lake and other human use (1) upland (e.g. forest), complex (1) or upland comidor (1) saturation. Score one or dbl check. nently inundated/saturated (4) ated/saturated (3)
	5	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbance ditch tile dike weir stormwater inp	point source (no filling/grading road bed/RR tradredging	ack
6	20.5	Metric 4. Habitat	Alteration a	and Development	<u>t.</u>
max 20 pts.	subtotal 4	As. Substrate disturbance. Score of None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Bb. Habitat development. Select on Excellent (7) Very good (6) Good (5) Moderately good (4)	ne or double check and a	verage.	
		Fair (3) Poor to fair (2) Poor (1) Ac. Habitat alteration. Score one or	double check and average	ge.	
	20.5	None or none apparent (9) Recovered (6) X Recovering (3) Recent or no recovery (1)	Check all disturbant mowing grazing clearcutting selective cuttin woody debris r toxic pollutants	shrub/sapling re herbaceous/aqu sedimentation dredging emoval	uatic bed removal
	subtotal this page			la magnet	

ORAM v	50 Field	Form	Quantitative	Rating
UKMIN V.	J.V FIEIU	LOM	Qualiticative	Namina

Site: E	EVPO	01 Wetland K	Rater(s):	5. Hã	rrelson, rowell	Date: 6/17/0.
				HIC	rowell	, ,
	20.5					
	subtotal this pag	e				
rá	20.5	W (' E O '- 1 W	. 41 1 -	_		
φ	<u> </u>	Metric 5. Special W		S.		
max 10 pts.	subtotal	Check all that apply and score as indicated Bog (10)	d.			
		Fen (10)				
		Old growth forest (10)				
	,	Mature forested wetland (5)				
	(1)	Lake Erie coastal/tributary wetla Lake Erie coastal/tributary wetla			0)	
	7	Lake Plain Sand Prairies (Oak C	_	yarology (5)		
		Relict Wet Praires (10)	,			
		Known occurrence state/federal		_		
		Significant migratory songbird/w				
0		Category 1 Wetland. See Ques	uon i Qualitativ	ve Raung (- 10))	
15	17,5	Metric 6. Plant com	munitie	es. inte	erspersion, mi	crotopography.
max 20 pts.	subtotal	6a. Wetland Vegetation Communities.			y Cover Scale	3-4-5
		Score all present using 0 to 3 scale.		0	Absent or comprises <0.1ha	(0.2471 acres) contiguous area
		Aquatic bed		1	Present and either comprises	
	1	/ Emergent Shrub			vegetation and is of moder significant part but is of low	• •
	1	Forest		2		s significant part of wetland's
		Mudflats			1	ate quality or comprises a small
		Open water			part and is of high quality	
		Other		3	1	ficant part, or more, of wetland's
		6b. horizontal (plan view) Interspersion. Select only one.		··· · · · · · · · · · · · · · · · · ·	vegetation and is of high q	uality
		High (5)	Narrative	Description	of Vegetation Quality	
		Moderately high(4)		low	Low spp diversity and/or pre-	dominance of nonnative or
	ϕ	Moderate (3)			disturbance tolerant native	
	P	Moderately low (2) Low (1)	Г	mod	Native spp are dominant con	disturbance tolerant native spp
		X None (0)			1 -	pecies diversity moderate to
		6c. Coverage of invasive plants. Refer			moderately high, but gener	rallyw/o presence of rare
		to Table 1 ORAM long form for list. Add			threatened or endangered	
		or deduct points for coverage		high	A predominance of native sp	ecies, with nonnative spp t native spp absent or virtually
	5	Moderate 25-75% cover (-3)	(PUNY)			sity and often, but not always,
	/)	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	19/11/2		the presence of rare, threa	tened, or endangered spp
		Absent (1) 6d. Microtopography.	Mudilat a	nd Open Wa 0	ter Class Quality Absent <0.1ha (0.247 acres	1
		Score all present using 0 to 3 scale.		1	Low 0.1 to <1ha (0.247 to 2.4	
		Vegetated hummucks/tussucks		2	Moderate 1 to <4ha (2.47 to	9.88 acres)
		Coarse woody debris >15cπ (6i		3	High 4ha (9.88 acres) or mor	re
	1	Standing dead >25cm (10in) dbl		oaronbu Cou	or Caolo	
		/ Amphibian breeding pools	Microtope	ography Cov 0	Absent	
				1	Present very small amounts	or if more common
					of marginal quality	
				2	Present in moderate amount quality or in small amounts	
	\bigcirc			3	Present in moderate or great	
	_ (^	Jegony / D TOTAL (max 100 pts)			and of highest quality	
17 4						
14,7	JGKANI	J IOTAL(max 100 pts)				

grazing

clearcutting

selective cutting

toxic pollutants

woody debris removal

herbaceous/aquatic bed removal

sedimentation

nutrient enrichment

dredging

farming

Recovering (3)

Recent or no recovery (1)

ORAM v. 5.0 Field Form Quantitative Rating			
Site: EVPON WETLONGL	Rater(s): 5M H	1, KC	Date: 8//2/09
30 subtotal this page		7	
0 30 Metric 5. Spec	cial Wetlands.		
max 10 pts. subtotal Check all that apply and score Bog (10) Fen (10) Old growth forest (10)	e as indicated.		te to
Mature forested weth Lake Erie coastal/tril Lake Erie coastal/tril Lake Plain Sand Pra Relict Wet Praires (1 Known occurrence s Significant migratory	Jand (5) butary wetland-unrestricted hydrology butary wetland-restricted hydrology (! airies (Oak Openings) (10) 10) state/federal threatened or endangere y songbird/water fowl habitat or usage	5) ed species (10) e (10)	
1 21	See Question 1 Qualitative Rating of the Communities, in		, microtopography.
max 20 pts. subtotal 6a. Wetland Vegetation Comm	· · · · · · · · · · · · · · · · · · ·		
Score all present using 0 to 3 s	scale. 0 1		<0.1ha (0.2471 acres) contiguous area emprises small part of wetland's
O Emergent	•	vegetation and is o	f moderate quality, or comprises a
Shrub		significant part but	
Forest	2		omprises significant part of wetland's f moderate quality or comprises a small
Open water	•	part and is of high	• •
Other	3		es significant part, or more, of wetland's
6b. horizontal (plan view) Inte	rspersion.	vegetation and is o	f high quality
Select only one.			
High (5)		on of Vegetation Quality	dia and animona at annuation
Moderately high(4) Moderate (3)	low	disturbance toleran	d/or predominance of nonnative or traitive species
Moderately low (2)	mod		ant component of the vegetation,
Low (1)		1	and/or disturbance tolerant native spp
None (0)		can also be presen	t, and species diversity moderate to
6c. Coverage of invasive plan		7 - 1	ut generallyw/o presence of rare
to Table 1 ORAM long form for		threatened or enda	
or deduct points for coverage Extensive >75% cov	high ver (-5)	1 '	ative species, with nonnative spp tolerant native spp absent or virtually
Moderate 25-75% co	• •		op diversity and often, but not always,
Sparse 5-25% cover	r (-1)	the presence of rare	e, threatened, or endangered spp
Nearly absent <5% of			
Absent (1)		Water Class Quality	7>
6d. Microtopography. Score all present using 0 to 3 s	0 scale. 1	Absent <0.1ha (0.24 Low 0.1 to <1ha (0.24	
Vegetated hummuck		Moderate 1 to <4ha	
Coarse woody debris		High 4ha (9.88 acres	4
Standing dead >25c	m (10in) dbh		
Amphibian breeding	·		
	01	Absent	mounts or if more common
	ŧ.	of marginal quality	nounce of it more contition
,	2		amounts, but not of highest
V2 (2.2.			mounts of highest quality
120rdy Eo.ne	3	Present in moderate	
U U		and of highest qual	ity
/2 GRAY ZO.N.E. 31 GRAND TOTAL (max 100 p	its) HSSUMIA	Mod. Z	

		m Quantitative Rating	Datas	(a) Pin =	1150	Date: 1 /- a life
Site:	EVPO	0.1	Rater	(s): BMP	/ HT -	Date: 6/29/1(
					**	• (
•	1.25	•		. •	•	•
	2					
	subtotal first page	1			i vert	11
10	ا ــــــــــــــــــــــــــــــــــــ	Metric 5. Spec	ial Wetlar	ıds.	WET	-101
-10	1/5	monto or oboo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
ax 10 pts.	subtotal	Check all that apply and sco	ore se indicated		•	
ж торш.	, and the	Bog (10)	ne as muicaleu.			
		Fen (10)			•	
		Old growth forest	/10\			
		Mature forested w				
		\	/tributary wetland-i	unrestricted hyd	rology (10)	
			/tributary wetland-i	-		
			Prairies (Oak Oper	-	-91 (-)	
		Relict Wet Prairie				
	-10			eatened or enda	ngered species (10)	
			ory songbird/water			•
-			nd. See Question			
	T				•	ratanagranhy
-4	111	Metric 6. Plani	r commun	mes, me	erspersion, mic	rotopography.
					·	
x 20 pts.		ia. Wetland Vegetation Co			Community Cover Scale	
	5	Score all present using 0 to	3 scale.	0		ha (0.2471 acres) contiguous area
	1	Aquatic bed		1	1	ises small part of wetland's
	Υ (Emergent			_	derate quality, or comprises a
	_	Shrub			significant part but is of	
		Forest		. 2		ses significant part of wetland's
		Mudflats		•	_	derate quality or comprises a sma
		Open water		3	part and is of high qualit	y gnificant part, or more, of wetland
		Other		, 3	vegetation and is of high	
		ib. horizontal (plan view) In Select only one,	ireiaheiainii		vegetation and is of high	1 quanty
	`	High (5)		Narrative De	escription of Vegetation Q	uality
		Moderately high(4	0	low		predominance of nonnative or
		Moderate (3)	7	IOW	disturbance tolerant nati	
	_	Moderately low (2)	1	mod		component of the vegetation,
	(0) Low (1)	,	11100		or disturbance tolerant native spp
		None (0)				I species diversity moderate to
	-	c. Coverage of invasive pla	ants. Refer			nerally w/o presence of rare
		Table 1 ORAM long form			threatened or endangere	
•		r deduct points for coverage	•	high		species, with nonnative spp
		Extensive >75% c		. •	1 '	ant native spp absent or virtually
	(-5)	Moderate 25-75%			absent, and high spp div	versity and often, but not always,
	<u></u>	Sparse 5-25% cov				eatened, or endangered spp
		Nearly absent <5%	% cover (0)			
		· Absent (1)		Mudflat and	Open Water Class Quality	
	6	d. Microtopography.	•	0	Absent <0.1ha (0.247 acr	
•	. 8	core all present using 0 to :	3 scale.	1	Low 0.1 to <1ha (0.247 to	2.47 acres)
	~	Vegetated hummu	ıcks/tussucks	2	Moderate 1 to <4ha (2.47	
	(1)	Coarse woody deb		3	High 4ha (9.88 acres) or m	ıore
	U	Standing dead >2!			•	
		Amphibian breedir	ng pools	Microtopogr	aphy Cover Scale	•
				0	Absent	
				1	Present very small amount	ts or if more common
					of marginal quality	
				2	Present in moderate amou	
				·	quality or in small amoun	
				3	Present in moderate or gre	eater amounts
<u> </u>	1	•			and of highest quality	

WETLAND N

Site:	Ever Po	wer-	WET. N	Rater(s):	BMF		Date: 6/29/11
	OM	etric 1.	Wetland A	Area (size)).		, ,
máx 6 pts.	subtotal Sele	>50 ad 25 to < 10 to < 3 to <1 0.3 to	class and assign so tres (>20.2ha) (6 pt :50 acres (10.1 to < :25 acres (4 to <10 0 acres (1.2 to <4 <3 acres (0.12 to <0.3 acres (0.04 to cres (0.04ha) (0 pts	s) :20.2ha) (5 pts) .1ha) (4 pts) na) (3 pts) 1.2ha) (2pts) <0.12ha) (1 pt)			
	M	etric 2.	Upland b	uffers and	surround	ing land use.	
max 14 pts.	0	WIDE. MEDIL NARRI VERY Intensity of s VERY LOW. MODE	Buffers average 5 JM. Buffers averag OW. Buffers avera NARROW. Buffers urrounding land us LOW. 2nd growth Old field (>10 year	Om (164ft) or more e 25m to <50m (82 ge 10m to <25m (82 ge 10m to <25m (\$ average <10m (< e or older forest, prass), shrub land, you esidential, fenced j	e around wetland pe 2 to <164ff) around 32ft to <82ff) around 32ff) around wetlar double check and a irie, savannah, wilco ng second growth pasture, park, cons	wetland perimeter (4) Id wetland perimeter (1) Id perimeter (0) verage. Ilife area, etc. (7) forest. (5) ervation tillage, new fallo	ow field. (3)
8	9 Me		Hydrolog				•
max 30 pts.	4	High pl Other of Precipi Season Perenr	Vater. Score all tha H groundwater (5) groundwater (3) tation (1) nal/Intermittent surf ial surface water (l	ace water (3) ake or stream) (5)	3d.	Part of wetland/up Part of riparian or Duration Inundation/satu	in (1) ake and other human use (1) bland (e.g. forest), complex (1) upland corridor (1) uration. Score one or dbl check.
	0	>0.7 (2 0.4 to 0 <0.4m	ater depth. Select o .7.6in) (3) o.7m (15.7 to 27.6ir (<15.7in) (1) o natural hydrolog	i) (2)	0	Regularly inundat Seasonally inunda Seasonally satura	
·	0	Recove Recove	or none apparent (1 ered (7) ering (3) or no recovery (1)	2) Check all distu V ditch Ville dike weir stormwat		point source (non- filling/grading road bed/RR track dredging other	
4	13 M	etric 4.	Habitat A	Iteration a	nd Develo	pment.	
max 20 pts.	0	None o Recove Recove Recent Habitat devel Excelle Very go Good (8	ering (2) or no recovery (1) opment. Select on nt (7) iod (6) 5))			÷
	(Z) 4c.	Fair (3) X Poor to Poor (1	fair. (2)	d <u>ouble check and</u>	average.		
	13 lotal this page	None of Recover Recover Recent	r none apparent (9) red (6)	Check all distured mowing grazing clearcutting selective	bances observed ng cutting bris removal	shrub/sapling rem herbaceous/aquat sedimentation dredging farming nutrient enrichmer	ic bed removal

ORAM v. s	5.0 Field F	orm Quantitative	Rating			,	. /
Site:	EW	pomer	WET-N	Rater(s)	: BM	F/HFC	Date: 6/29/2011
	13	1			,	7	
	J3 subtotal first p	age					, I
0	13	–ĭ	5. Special	Wetland	s.	WET	AND N lags
max 10 pts.	sublotat	Check all that	apply and score as	indicated.	•	4 fi	lags
•		Fen	(10)			N. I.	i titina
		Matu	growth forest (10) ure forested wetland		•	. H =	The state of the s
	O		e Erie coastal/tributa e Erie coastal/tributa	•	-	drology (10) dogy (5)	
		.}	e Plain Sand Prairie of Wet Prairies (10)	s (Oak Opening	s) (10)		
		Knov	wn occurrence state			angered species (10)	
			ificant migratory so egory 1 Wetland. So	-			
1	14	Metric 6	i. Plant co	mmuniti	es, int	erspersion, mic	rotopography.
max 20 pts.	subtotal	_ _6a_Wetland ∨	egetation Commun	ities. V	/egetation	Community Cover Scale	
•			ent using 0 to 3 scal		0		na (0.2471 acres) contiguous area
		Aqua	atic bed		1	Present and either compris	
	1	Eme	rgent			vegetation and is of mod	erate quality, or comprises a
	(IJ ☐ Shru	ıb	_		significant part but is of li	
		Fore	st		2		es significant part of wetland's
		Mud	flats				erate quality or comprises a small
		Ope	n water	_		part and is of high quality	
		Othe			3		nificant part, or more, of wetland's
			(plan view) Interspe	ersion.		vegetation and is of high	quality
		Select only one					
		High	* *	<u> </u>		escription of Vegetation Qu	
			erately high(4) erate (3)		wal	disturbance tolerant nativ	redominance of nonnative or re species
	,		erately low (2)	-	mod		omponent of the vegetation,
	(O) Low	• • •				or disturbance tolerant native spp
		None	• •			1	species diversity moderate to
			of invasive plants.	Refer			erally w/o presence of rare
		•	AM long form for list			threatened or endangere	. · ·
		or deduct point	s for coverage	-	high	A predominance of native s	species, with nonnative spp
			nsive >75% cover (-	-5)		and/or disturbance tolera	nt native spp absent or virtually
		Mode	erate 25-75% cover	(-3)		absent, and high spp dive	ersity and often, but not always,
			se 5-25% cover (-1)			the presence of rare, three	atened, or endangered spp
	((ノ) 🔀 Near	ly absent <5% cove				
		Abse	ent (1).	<u>IV</u>	iudflat and	Open Water Class Quality	
		6d. Microtopog		_	0	Absent <0.1ha (0.247 acre	
			nt using 0 to 3 scale		1	Low 0.1 to <1ha (0.247 to 2	
	_		etated hummucks/tu		2	Moderate 1 to <4ha (2.47)	
	6		se woody debris >1	` '	3	High 4ha (9.88 acres) or m	ore
	(ding dead >25cm (1		!!_v_4	man by Carroy Sa-1-	
	_	Amp	hibian breeding poo	ns <u>N</u>		raphy Cover Scale	
				_	0	Absent	as if many analysis
				•	1	Present very small amounts of marginal quality	s of a more common
					2	Present in moderate amount quality or in small amount	
				-	3	Present in moderate or great	
, , 1	1.					and of highest quality	

ORAM v. 5.0 Field	l Form Quantit	ative Rating	- 62	SP	39)	
Site:	16016	PHI	Rater(s):	MEMO	1.00 II	Date: 10	112/11
0 0			d Area (size	e).			
max 6 pls. sublot	V 1	size class and assig >50 acres (>20.2ha) 25 to <50 acres (10.1 10 to <25 acres (4 to 3 to <10 acres (1.2 to 0.3 to <3 acres (0.12 0.1 to <0.3 acres (0.0 <0.1 acres (0.04ha) (6 pts) to <20.2ha) (5 pts) <10.1ha) (4 pts) <4ha) (3 pts) to <1.2ha) (2pts) 4 to <0.12ha) (1 pt) 0 pts)		Y* L		
M Y	ł	-	buffers and				
max 14 pls. sublol	2b. Intens	MIDE. Buffers avera MEDIUM. Buffers av NARROW. Buffers a VERY NARROW. Bu- ity of surrounding lan VERY LOW. 2nd gro LOW. Old field (>10 MODERATELY HIGH	dth. Select only one ge 50m (164ft) or morerage 25m to <50m (to verage 10m to <25m (to <25m (re around wetland 32 to <164ft) arour (32ft to <82ft) arou <32ft) around wetlard double check and airie, savannah, w ung second growtl pasture, park, cor	perimeter (7) and wetland perinund wetland perineter (average. ildlife area, etc. a forest. (5) aservation tillag	meter (4) rimeter (1) 0) (7) e, new fallow field. (3)	
12 2	Metric	3. Hydrolo	ogy.		•		
max 30 pts. subjet		es of Water. Score a High pH groundwater Other groundwater (3	(5)	3b	100 ye	. Score all that apply. ear floodplain (1) en stream/lake and other h	uman use (1)
	3c. Maxim	Precipitation (1) Seasonal/Intermittent Perennial surface wat ium water depth. Sel Po.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 2 \$0.4m (<15.7in) (1)	surface water (3) er (lake or stream) (5 ect only one and assi	gn score.	Part of Part o	f wetland/upland (e.g. fores f riparian or upland corridor dation/saturation. Score o to permanently inundated/s arly inundated/saturated (3) nally inundated (2) nally saturated in upper 300	t), complex (1) (1) ne or dbl check. saturated (4)
	(5)	yone or none appared Recovered (7) Recovering (3) Recent or no recovery	of (12) Check all distinction ditch tile dike weir	urbances observe	d point s	ource (nonstormwater) grading ed/RR track	
5 28	Metri	: 4. Habitat	Alteration	and Devel	opment.		=
max 20 pts, / subtole	4b. Habita	None or none apparer Recovered (3) Recovering (2) Recent or no recovery					,
	0	Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)	e or d <u>ouble check and</u>	l average.			¬ 1
28		lone or none apparer Jecovered (6) Jecovering (3) Jecent or no recovery	mowing grazing (1) clearcution selective	e cutting ebris removal	shrub/s herbac sedime oredgin farming		
sublotal this last revised 1 Febru	• -		<u>L</u>			····	_1

ORAM v. 5	5.0 Field Form	Quanti	ative Rating					,
Site:	EVIC	01	Ph	ŀ	Rater(s): 🦊	Company !	Date: 13 1.21
	1							, ,
	10							1
s	ublotal first page	ll atri	o E Sne	voial V	Matlan	de		WETLAND G 8flags Non 1501
\bigcirc	0 "	netri	c 5. Spe	Ciai V	vellani	us.		Office
max 10 pts.	subtotal Ci	eck all	that apply and s	score as ir	ndicated.			8+195>
			Bog (10)					, (,)
		\square	Fen (10)	not (4/1)				Non 130 ;
		H	Old growth fore Mature forester		(5)	•		ľ
		\vdash	Lake Erie coas			restricted hy	drology (10)	
	/		Lake Erie coas	tal/tributar	y wetland-re	stricted hydro	ology (5)	
			Lake Plain San		(Oak Openii	ngs) (10)		
		_	Relict Wet Prai		federal threa	tened or end	angered species (10)	
			Significant mig					<i>:</i>
			Category 1 We		-			•
	a N	letri	c 6. Pla	nt cor	nmuni	ties, int	terspersion. m	icrotopography.
1						,	,	in a colo la agracipi.
nax 20 pls.	subtotal 6a	. Wetla	nd Vegetation (Communiti	ies.	Vegetation	Community Cover Scale	•
	Sc		present using 0	to 3 scale	•	0		0.1ha (0.2471 acres) contiguous area
		_	Aquatic bed			1		prises small part of wetland's
	A TOP NAME		Emergent Shrub				significant part but is	noderate quality, or comprises a
	(1)		Forest			2		prises significant part of wetland's
	. ***		Mudflats					noderate quality or comprises a small
			Open water				part and is of high qua	
	C.L.		Other	Internation		3	1	significant part, or more, of wetland's
		lect only	ntal (plan view) zone	miersper	51011.		vegetation and is of h	griquality
			High (5)			Narrative D	escription of Vegetation	Quality
			Moderately high	1(4)		low		r predominance of nonnative or
			Moderate (3)	(0)			disturbance tolerant n	
	Ø		Moderately low Low (1)	(2)		mod		it component of the vegetation, id/or disturbance tolerant native spp
		المدوا	Vone (0)				_	and species diversity moderate to
	6c.		age of invasive	plants. R	efer		1 ' '	generally w/o presence of rare
			ORAM long for		Add		threatened or endange	
	or (oints for covera	_		high		ve species, with nonnative spp
			Extensive >75% Moderate 25-75	•	•	100		erant native spp absent or virtually diversity and often, but not always,
	_	_	Sparse 5-25% of		٠,	• •		hreatened, or endangered spp
	0		Vearly absent <	5% cover	(0)	,		
		-	Absent (1)				l Open Water Class Qual	
			opography. resent using 0 t	o 3 ceala		<u>0</u>	Absent <0.1ha (0.247 a	
	366		esent using or /egetaled humr				Moderate 1 to <4ha (2.4	
	O		Coarse woody d			3	High 4ha (9.88 acres) or	
	V	-	Standing dead >	•	•			
		/ <i>F</i>	Amphibian bree	ding pools	•		raphy Cover Scale	
						<u>0</u>	Absent Present very small amou	into as if many games a
				•		i	of marginal quality	ans or a more common
						2		ounts, but not of highest
			•				quality or in small amo	unts of highest quality
, -						3	Present in moderate or g	reater amounts
ે દ ેષ							and of highest quality	•

ORAM v. 5.	.0 Field Form Q	uantitative Rai	_	ect-		, ,				
Site:	EVER	POWER	Inter Coun	Rater(s	s): F	3. FALKINBURG Date: 10/13/11				
Su	blotal first page	etric 5.	Special V	Vetland	ds.					
	(2)		The state of the s			Wetland T.				
max 10 pis.	subtotal Ched	Bog (10) Fen (10) Old grow Mature fo	rth forest (10) orested wetland (5)						
			e coastal/tributary e coastal/tributary							
	,		in Sand Prairies		-	· · · · · · · · · · · · · · · · · · ·				
	Relict Wet Prairies (10) Known occurrence state/federal threatened or endangered species (10) Significant migratory songbird/water fowl habitat or usage (10)									
г т	<u>_</u>		1 Wetland, See		•	- • •				
-)	14				·	erspersion, microtopography.				
max 20 pts.		_	tation Communitie sing 0 to 3 scale.	es.	Vegetation 0	Community Cover Scale Scale Absent or comprises <0.1ha (0.2471 acres) contiguous area				
		Aquatic t	-		1	Present and either comprises small part of wetland's				
	(1)	Emergen Shrub		1/10		vegetation and is of moderate quality, or comprises a significant part but is of low quality				
	0	Forest -	- Saplings 511 Le COX	ton wood	. 2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small				
	6b. 1	Open wa Other orizontal (plar	ıer ı view) Interspers	 ion.	3	part and is of high quality Present and comprises significant part, or more, of wetland's vegetation and is of high quality				
		ct only one.	,							
		High (5) Moderate Moderate	ely high(4)		Narrative De	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species				
•	(1)	Moderate			mod	Native spp are dominant component of the vegetation,				
	6c. C	Low (1) None (0) Coverage of in	vasive plants. Re	fer		although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generally w/o presence of rare				
			ong form for list.	4dd	high	threatened or endangered spp A predominance of native species, with nonnative spp				
	$\left(-3\right)$	Moderate Sparse 5	e >75% cover (-5) e 25-75% cover (-1 -25% cover (-1)	3)	high	and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp				
	\sim	Nearly ab Absent (1	sent <5% cover (• •	Mudflat and	Open Water Class Quality				
	6d. N] Absent (1 Nicrotopograph	•		0	Absent <0.1ha (0.247 acres)				
	Score		ing 0 to 3 scale.		1	Low 0.1 to <1ha (0.247 to 2.47 acres)				
	_ \ \		d hummucks/tuss oody debris >15c		3	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more				
	0	Standing	dead >25cm (10i n breeding pools	n) dbh		aphy Cover Scale				
•		_			0	Absent Present very small amounts or if more common				
						of marginal quality				
					2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality				
111				_	3	Present in moderate or greater amounts and of highest quality				

Site: E	Nev c	ower	Rater(s): P	.Falkin	bu	vd		Date: 10/13/11				
	,	-				<u> </u>						
\bigcirc		4	. Wetland Ar	• • •	\searrow	· de	<	Wetland U-150				
max 6 pts	subtotal	>50 acres (> 25 to <50 ac 10 to <25 ac 3 to <10 acre 0.3 to <3 acr 0.1 to <0.3 acr	size class and assi- 20.2ha) (6 pts) res (10.1 to <20.2ha res (4 to <10.1ha) (4 as (1.2 to <4ha) (3 p es (0.12 to <1.2ha) cres (0.04 to <0.12h 0.04ha) (0 pts)	i) (5 pts) l pts) ts) (2pts)	5	7 42		U3 Corn 1944 XX				
Ц	5	Metric 2	. Upland buf	fers and s	urr	ounding land us	θ.	The woods				
max 14 pts.	subtotai					ie and assign score. Do n vetland perimeter (7)	ot do	puble check.				
	①	MEDIUM. BU NARROW. E VERY NARE	MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0)									
	3	VERY LOW. LOW. Old fie MODERATE	2nd growth or older eld (>10 years), shru LY HIGH. Residenti	forest, prairie, s bland, young se al, fenced pastu	sava econo ure, p	or double check and aver nnah, wildlife area, etc. (7) d growth forest. (5) ark, conservation tillage, no mining, construction. (1)						
6	10	Metric 3	. Hydrology.									
max 30 pts.	subtotal	High pH ground Other ground X Precipitation Seasonal/Int Perennial su	3a. Sources of Water. Score all that apply. High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5) 3b. Connectivity. Score all that apply. 100 year floodplain (1) Between stream/lake and other human use (1) Part of wetland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1) 3d. Duration inundation/saturation. Score one or dbl check.									
	0	>0.7 (27.6in) 0.4 to 0.7m (<0.4m (<15.7	15.7 to 27.6in) (2) 7in) (1)	0	X	Semi- to permanently inun Regularly inundated/satura Seasonally inundated (2) Seasonally saturated in up	ited (3	3) 0cm (12in) (1)				
	3	None or non- Recovered (** X Recovering (**	e apparent (12) 7)	drologic regim		core one or double check Check all disturbances o ditch tile dike weir		ved point source (nonstormwater) filling/grading road bed/RR track dredging				
0	1/0	1				stormwater input		other				
<u>8</u>	subtotal	-4				evelopment.						
max 20 pts.	(2)	None or none Recovered (Control Recovering (Control Recent or note Ab. Habitat (Control Recent or note Ab. Hab. Habitat (Control Recent or note Ab. Habitat (Control Recent or	4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score. Excellent (7)									
	3	Good (5) Moderately of Fair (3) Poor to fair (1) Poor (1)	good (4) 2)									
	<u></u>	None or none	alteration. Score or e apparent (9)	ne or double ch		and average. Check all disturbances obs	erve	_				
	(3)	Recovered (I				mowing grazing clearcutting selective cutting woody debris removal		shrub/sapling removal herbaceous/aquatic bed removal sedimentation dredging farming				
						toxic pollutants		nutrient enrichment				

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Site: Ever power Rater(s): B. Fal	kin	hura	Date: 10/13/11
			
18			
		•	
subtotal this page Motivio F. Special Westlands			Wetland a
Metric 5. Special Wetlands.			meriana u
max 10 pts. subtotal Check all that apply and score as ir	ndicated	d.	
Bog (10)			
Fen (10) Old growth forest (10)			
Mature forested wetland (5)			
Lake Erie coastal/tributary wetland-unrestric	cted hydr	ology (10)	•
Lake Erie coastal/tributary wetland-restricted			
Lake Plain Sand Prairies (Oak Openings) (1			
Relict Wet Praires (10)	=		
Known occurrence state/federal threatened		•	
Significant migratory songbird/water fowl ha Category 1 Wetland. See Question 5 Qualit			
		- ' '	nv
Metric 6. Plant communities	-		
max 20pts. subtotal 6a. Wetland Vegetation Commun		Vegetation Community Cover Sca	
Score all present using 0 to 3 scale. Aquatic bed	<u>0</u> 1	Absent or comprises <0.1ha (0.2471 acres Present and either comprises small part or	
A Emergent	'	vegetation and is of moderate quality, or c	
Shrub		significant part but is of low quality	,
Forest	2	Present and either comprises significant p	art of wetland's 2
Mudflats		vegetation and is of moderate quality or co	omprises a small
Open water	_	part and is of high quality	
Other	3	Present and comprises significant part, or	more, of wetland's 3
6b. horizontal (plan view) Interspersion. Select only one.		vegetation and is of high quality	
High (5)		Narrative Description of Vegetation Qua	ality
Moderately high(4)		Low spp diversity and/or predominance of	
Moderate (3)		disturbance tolerant native species	
Moderately low (2)		Native spp are dominant component of the	
(O) Low (1)		although nonnative and/or disturbance tole	
None (0)		can also be present, and species diversity	
6c. Coverage of invasive plants. Refer Table 1 ORAM long form for list. Add		moderately high, but generallyw/o present threatened or endangered spp to	C OI IAIC
or deduct points for coverage		A predominance of native species, with no	onnative spp high
Extensive >75% cover (-5)		and/or disturbance tolerant native spp abs	
Moderate 25-75% cover (-3)		absent, and high spp diversity and often, b	out not always,
Sparse 5-25% cover (-1)		the presence of rare, threatened, or endar	ngered spp
Nearly absent <5% cover (0)		Model and Organization Of the Committee	
Absent (1)	0	Mudflat and Open Water Class Quality	
6d. Microtopography. Score all present using 0 to 3 scale.	1	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)	
Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)	
Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	-
Standing dead >25cm (10in) dbh		•	
Amphibian breeding pools		Microtopography Cover Scale	
	0	Absent	
	1	Present very small amounts or if more cor of marginal quality	nmon
	2	Present in moderate amounts, but not of h	ighest
		quality or in small amounts of highest qual	_
GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts	
last revised 1 February 2001 jjm		and of highest quality	
• • • • • • • • • • • • • • • • • • • •			

Site:	Everp	mer Rater(s): BMF		Date: 60/13/11
	7	_	/	spring seep to wetla
	<u> </u>	Metric 1. Wetland Area (size).	Wetland V	1 Wetla
max 6 pts	subtofal	Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts)	Wetland V Isolated	
	0	0.3 to <3 acres (0.12 to <1.2ha) (2pts) 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts)		X
	Ta	Metric 2. Upland buffers and s	surrounding land use.	() }
max 14 pts	s. subtotal	2a. Calculate average buffer width. Select on WIDE. Buffers average 50m (164ft) or more aro MEDIUM. Buffers average 25m to <50m (82 to < NARROW. Buffers average 10m to <25m (32ft to VERY NARROW. Buffers average <10m (<32ft)	<164ft) around wetland perimeter (4) to <82ft) around wetland perimeter (1)	
	1	2b. Intensity of surrounding land use. Select VERY LOW. 2nd growth or older forest, prairie, LOW. Old field (>10 years), shrubland, young se	one or double check and average. savannah, wildlife area, etc. (7) econd growth forest. (5) ure, park, conservation tillage, new fallow field. (3)	Cattle Water hole disapperar under grand
15	17	Metric 3. Hydrology.		inder
max 30 pts	: subtotal	3a. Sources of Water. Score all that apply. High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5) 3c. Maximum water depth. Select one.	3b. Connectivity. Score all that apply. 100 year floodplain (1) Between stream/lake and other human use (1) Part of wetland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1) 3d. Duration inundation/saturation. Score Semi- to permanently inundated/saturated (4)	(1) (1) one or dbl check.
	2	>0.7 (27.6in) (3) X 0.4 to 0.7m (15.7 to 27.6in) (2) <0.4m (<15.7in) (1)	Regularly inundated/saturated (3) Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1)	
	(\$)	3e. Modifications to natural hydrologic regim None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances observed ditch point source filling/grading road bed/RR	
	100	 Natrie 4 Hebitat Altavation on		wing total to
max 20 pts	. subtotal	Metric 4. Habitat Alteration an 4a. Substrate disturbance. Score one or doul	•	
	1	None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and Excellent (7)	d assign score.	
	3	Very good (6) Good (5) Moderately good (4) X Fair (3) Poor to fair (2) Poor (1)		
	0	4c. Habitat alteration. Score one or double cl None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed mowing shrub/sapling grazing herbaceous/s clearcutting sedimentatio selective cutting dredging woody debris removal X farming	aquatic bed removal on
		_	toxic pollutants nutrient enric	annent

Subtotal this page

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Site: {	verp	wer Rater(s): BA	٨F	Date: /b/เʒ (ι ɾ
	•			
	22			
				111.1-1-11
	subtotal this p			Wetland V
\mathcal{O}	22	Metric 5. Special Wetla	ınds.	• • •
max 10 pts.	subtotal	Check all that apply and scor	e as indicate	d.
		Bog (10)		
		Fen (10)		
		Old growth forest (10) Mature forested wetland (5)		
		Lake Erie coastal/tributary wetland-u	inrestricted hydr	ology (10)
	\circ	Lake Erie coastal/tributary wetland-r		
		Lake Plain Sand Prairies (Oak Oper		
		Relict Wet Praires (10)		
		Known occurrence state/federal thre		
		Significant migratory songbird/water		
	1	Category 1 Wetland. See Question		
3	25		-	erspersion, microtopography.
max 20pts.	subtotal	6a. Wetland Vegetation Cor		Vegetation Community Cover Scale
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Aquatic bed Emergent	1	Present and either comprises small part of wetland's 1 vegetation and is of moderate quality, or comprises a
	\bigcirc	Shrub		Isignificant part but is of low quality
	(/)	Forest	2	Present and either comprises significant part of wetland's 2
		Mudflats		vegetation and is of moderate quality or comprises a small
		Open water		part and is of high quality
		Other	3	Present and comprises significant part, or more, of wetland's 3
		6b. horizontal (plan view) Interspe	rsion.	vegetation and is of high quality
		Select only one. High (5)		Narrative Description of Vegetation Quality
		Moderately high(4)		Low spp diversity and/or predominance of nonnative or low
		Moderate (3)		disturbance tolerant native species
		Moderately low (2)		Native spp are dominant component of the vegetation, mod
	0	Low (1)		although nonnative and/or disturbance tolerant native spp
	_	None (0)	_	can also be present, and species diversity moderate to
		6c. Coverage of invasive plants. R		moderately high, but generallyw/o presence of rare
		Table 1 ORAM long form for list. Add or deduct points for coverage	1	threatened or endangered spp to A predominance of native species, with nonnative spp high
	4	Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
	_	Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
	(0)	Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
		X Nearly absent <5% cover (0)		
		Absent (1)		Mudflat and Open Water Class Quality
		6d. Microtopography. Score all present using 0 to 3 scale.	0	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)
		Vegetated hummucks/tussucks	. 1	Moderate 1 to <4ha (2.47 to 9.88 acres)
		Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more
	(a)	Standing dead >25cm (10in) dbh		
		Amphibian breeding pools		Microtopography Cover Scale
		•	0	Absent
			1	Present very small amounts or if more common
			2	of marginal quality Present in moderate amounts, but not of highest
			2	quality or in small amounts of highest quality
75	GRAND	TOTAL(max 100 pts)	3	Present in moderate or greater amounts
last revi		oruary 2001 jjm	-	and of highest quality
		, JJ		

Site:	Everp	ower		Rater(s):	BMF	Date:	10/17/11
		7		and Area (si	ze).		1 '
max 6 pts.	. subtotal	l	e size class and assig	•	•	Wetla ispla left	ndW
			>50 acres (>20.2ha)			. 0001100	. 1
	$\widehat{}$		25 to <50 acres (10.1 10 to <25 acres (4 to			isola	ted
	(1)		3 to <10 acres (1.2 to			Cothia	
			0.3 to <3 acres (0.12			(o C1	2 d S
			0.1 to <0.3 acres (0.0 <0.1 acres (0.04ha) (•	4 F1	~J
	1	7 <u>'</u>	~0.1 acres (0.0411a) (o pis)			
	12	Metr	ic 2 Unla	nd huffers a	nd surrou	ınding land use.	
				idth. Select only one and			
max 14 pts	s. subtotal	za. Calcu	late average buller w WIDE. Buffers avera	ge 50m (164ft) or more ar	ound wetland perime	eter (7)	
			MEDIUM. Buffers av	erage 25m to <50m (82 to	<164ft) around wet	land perimeter (4)	
				verage 10m to <25m (32)			
	\bigcirc			uffers average <10m (<32) nd use. Select one or dou			
	(1)			owth or older forest, prairie			
			LOW. Old field (>10	years), shrubland, young	second growth fores	it. (5)	
						ation tillage, new fallow field. (3)	
		لکا ہ	HIGH. Urban, indust	rial, open pasture, row cro	opping, mining, cons	truction. (1)	
14	16	Metr	ic 3. Hydr	vology			
max 30 pts			ces of Water. Score a		3b. (Connectivity. Score all that apply.	
max 50 pc	. 30500101		High pH groundwater			100 year floodplain (1)	
			Other groundwater (3	3)	σ	Between stream/lake and other hu	• •
			Precipitation (1) Seasonal/Intermittent	t curfoca water (3)	-	Part of wetland/upland (e.g. forest) Part of riparian or upland corridor (
				ter (lake or stream) (5)	3d. [Duration inundation/saturation. Score of	•
				lect only one and assign s	score.	Semi- to permanently inundated/sa	aturated (4)
			>0.7 (27.6in) (3)		١H	Regularly inundated/saturated (3)	
			0.4 to 0.7m (15.7 to 2 <0.4m (<15.7in) (1)	27.6in) (2)	· ' }	Seasonally inundated (2) Seasonally saturated in upper 30ci	m (12in) (1)
				drologic regime. Score or	ne or double check a		_
			None or none appare	ent (12) Check all distur	rbances observed		
	1		Recovered (7)		to wetland	point source (nonstormwater)	
			Recovering (3) Recent or no recover	tile fi	om 29	filling/grading road bed/RR track	
		IX	Recent or no recover	y (1) dike weir	held'	dredging	
				stormwate	er input	other	
	1 -1	7					ļi.
3	19	Mote	ic 4 Habi	tat Alteratio	n and Dev	velonment	
		_		ore one or double check a		Ciopinena	
max 20 pt	s. subtotal		None or none appare		illu avelage.		
			Recovered (3)				•
			Recovering (2)	, n			
•			Recent or no recover	y (1) ect only one and assign so	core		
			Excellent (7)	sot only one and assign so			
			Very good (6)				
			Good (5)				
	1		Moderately good (4) Fair (3)				
			Poor to fair (2)				
			Poor (1)				
	1			ne or double check and a			1
		_	None or none appare	ent (9) Check all distur	rbances observed	shrub/sapiling removal	
	. 1		Recovered (6) Recovering (3)	grazing	F	herbaceous/aquatic bed removal	ŀ
			Recent or no recover	y (1) clearcuttin	· -	sedimentation	Į.
	[7]	1 —		selective of		dredging	
	1 4			toxic pollu	bris removal tants	farming nutrient enrichment	
	subtotal this pa	⊸i ige					

ORAM v. 5.0) Field Fo	rm Quant	itative Rating		
Site: E	ver	pour	rev 1	Rater(s): BM F	Date: 10/17/11
s.	ubtotal this par	7			Wetland W Isolated 6 flags
\mathcal{O}	9	_ Met	ric 5. Special W	etlands.	ISDIACEG
max 10 pts.	subtotal	Check a	It that apply and score as indicated Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetlan Lake Erie coastal/tributary wetlan Lake Plain Sand Prairies (Oak C Relict Wet Praires (10) Known occurrence state/federal	nd-unrestricted hydrology (1 nd-restricted hydrology (5) lpenings) (10)	0)
	(O	1	Significant migratory songbird/wa Category 1 Wetland. See Quest ric 6. Plant com tland Vegetation Communities.	ion 1 Qualitative Rating (-10	erspersion, microtopography.
max 20 pts,	Sublotal		I present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	,		Aquatic bed Emergent Shrub Forest	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality
	(E	Mudflats Open water		Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality
		6b. hori	Other zontal (plan view) Interspersion.	3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality
			High (5)	Narrative Description	of Vegetation Quality
			Moderately high(4) Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	0		Moderate (3) Moderately low (2) Low (1) None (0) erage of invasive plants. Refer 1 ORAM long form for list. Add	mod	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp
	0		ct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	high	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
		\bowtie	Nearly absent <5% cover (0) Absent (1)	Mudflat and Open Wat	ter Class Quality
		6d. Mic	rotopography.	0	Absent <0.1ha (0.247 acres)
			present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
•		<u> </u>	Vegetated hummucks/tussucks	22	Moderate 1 to <4ha (2.47 to 9.88 acres)
	E	F	Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbh Amphibian breeding pools	· 	High 4ha (9.88 acres) or more
		<u> </u>	T	0	Absent
				1	Present very small amounts or if more common

GRAND TOTAL(max 100 pts)

Present in moderate amounts, but not of highest quality or in small amounts of highest quality Present in moderate or greater amounts

and of highest quality

Site:	Everp	ower PhII	Rater(s): BMF	Date: ルー20 ー //
2	2	 Metric 1. Wetla	nd Area (size).	Date: 10-20-11 Wetland non-isolat 22 flags
max 6 pts.	subtotal	Select one size class and assign >50 acres (>20.2ha) (6		
		25 to <50 acres (10.1 to	· · ·	non-coolat
		10 to <25 acres (4 to < 3 to <10 acres (1.2 to <		1 0 01
		0.3 to <3 acres (0.12 to	<1.2ha) (2pts)	22 Hags
		0.1 to <0.3 acres (0.04 <0.1 acres (0.04ha) (0		9
1.1	T,		•	
1	10	_	d buffers and surround	
max 14 pts.	. subtotal	2a. Calculate average buffer wid	th. Select only one and assign score. Do not dot s 50m (164ft) or more around wetland perimeter (uble check. 7)
		MEDIUM. Buffers aver	age 25m to <50m (82 to <164ft) around wetland p	perimeter (4)
			erage 10m to <25m (32ft to <82ft) around wetland ers average <10m (<32ft) around wetland perime	
		2b. Intensity of surrounding land	use. Select one or double check and average.	
			th or older forest, prairie, savannah, wildlife area, pars), shrubland, young second growth forest. (5)	
		MODERATELY HIGH.	Residential, fenced pasture, park, conservation t	tillage, new fallow field. (3)
	T	HIGH. Urban, Industria	ll, open pasture, row cropping, mining, construction	эп. (1)
17	13	Metric 3. Hydro	ology.	
max 30 pts.	. subtotal	3a. Sources of Water. Score all High pH groundwater (ectivity. Score all that apply. 100 year floodplain (1)
		Other groundwater (3)	`` 	Between stream/lake and other human use (1)
		✓ Precipitation (1) Seasonal/Intermittent s	—————————————————————————————————————	Part of wetland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1)
		Perennial surface water	r (lake or stream) (5) 3d. Durati	ion inundation/saturation. Score one or dbl check.
		3c. Maximum water depth. Sele	· · · · · · · · · · · · · · · · · · ·	Semi- to permanently inundated/saturated (4) Regularly inundated/saturated (3)
		0.4 to 0.7m (15.7 to 27		Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1)
		<0.4m (<15.7in) (1)3e. Modifications to natural hydr	ologic regime. Score one or double check and av	
		None or none apparen		
		Recovered (7) Recovering (3)		point source (nonstormwater) filling/grading
		Recent or no recovery	`''	road bed/RR track
				dredging other <u>culvert</u>
		1		
17.5	20.5	Metric 4. Habit	at Alteration and Devel	opment.
max 20 pts		4a. Substrate disturbance. Scor	e one or double check and average.	•
		None or none apparen Recovered (3)	(4)	
		Recovering (2)	(4)	
		Recent or no recovery 4b. Habitat development. Selec		
		Excellent (7) Very good (6)		
		Good (5)		
		Moderately good (4) Fair (3)		
		Poor to fair (2)		
		Poor (1) 4c. Habitat alteration. Score one	e or double check and average.	
		None or none apparen		
	,	Recovered (6) Recovering (3)		shrub/sapling removal herbaceous/aquatic bed removal
		Recent or no recovery	(1) clearcutting	sedimentation
	20.5			dredging. farming
	, ,	1		nutrient enrichment
	subtotal this pa	je		

Site: Everyour R	later(s): BMF	Date: 10-20-11
20.5		Wetland F
subtotal this page		
<u>∅ 20.5</u> Metric 5. Special We	etlands.	
max 10 pts. subtotal Check all that apply and score as indicated.		
Bog (10) Fen (10)		
Old growth forest (10)		
Mature forested wetland (5)		
Lake Erie coastal/tributary wetland		0)
Lake Erie coastal/tributary wetland		
Relict Wet Praires (10)	· - · · · · · · · · · · · · · · · · · ·	
Known occurrence state/federal the		• • •
Significant migratory songbird/wa Category 1 Wetland. See Questir		
	on I Qualitative Rating (-10	1
-4 65 Metric 6. Plant com	munities, inte	erspersion, microtopography.
max 20 pts. subtotal 6a. Wetland Vegetation Communities.	Vegetation Community	-
Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
Aquatic bed	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
/ Emergent Shrub		significant part but is of low quality
Forest	2	Present and either comprises significant part of wetland's
Mudflats		vegetation and is of moderate quality or comprises a small
Open water Other	3	part and is of high quality Present and comprises significant part, or more, of wetland's
6b, horizontal (plan view) Interspersion.	3	vegetation and is of high quality
Select only one.		
High (5)	Narrative Description	
Moderately high(4) Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
Moderate (3) Moderately low (2)	mod	Native spp are dominant component of the vegetation,
Low (1)		although nonnative and/or disturbance tolerant native spp
None (0)		can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare
6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add		threatened or endangered spp
or de <u>duct</u> points for coverage	high	A predominance of native species, with nonnative spp
X Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.		absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
Nearly absent <5% cover (0)		uto prodottoo di taro, unodortod, di ottavigaçou opp
Absent (1)	Mudflat and Open Wat	er Class Quality
1017	0	Absent <0.1ha (0.247 acres)
Score all present using 0 to 3 scale. Vegetated hummucks/tussucks	1	Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres)
Coarse woody debris >15cm (6in		High 4ha (9.88 acres) or more
Standing dead >25cm (10in) dbh		
Amphibian breeding pools	Microtopography Cove	
	0	Absent Present very small amounts or if more common
		of marginal quality
	2	Present in moderate amounts, but not of highest
	3	quality or in small amounts of highest quality Present in moderate or greater amounts
•		and of highest quality
N S		
16.5 GRAND TOTAL(max 100 pts)		

Site: E	ver po	wer Rater(s): BMF		Date: 10/20
2	2	Metric 1. Wetland Area (size)	. We	tland GG
max 6 pts	subtotal Z.	Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts) 0.3 to <3 acres (0.12 to <1.2ha) (2pts) 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts)	a	tland GG djacent 25 flags
5	7	Metric 2. Upland buffers and	surrounding land use	e.
max 14 pts.	subtotal	2a. Calculate average buffer width. Select o WIDE. Buffers average 50m (164ft) or more ar MEDIUM. Buffers average 25m to <50m (82 to NARROW. Buffers average 10m to <25m (32ft)	ound wetland perimeter (7) <164ft) around wetland perimete t to <82ft) around wetland perimet	г (4)
	(P)	VERY NARROW. Buffers average <10m (<32i 2b. Intensity of surrounding land use. Select VERY LOW. 2nd growth or older forest, prairie LOW. Old field (>10 years), shrubland, young a MODERATELY HIGH. Residential, fenced past HIGH. Urban, industrial, open pasture, row cro	et one or double check and aver i, savannah, wildlife area, etc. (7) second growth forest. (5) ture, park, conservation tillage, no	age.
q	16	Metric 3. Hydrology.		
max 30 pts.	subtotal	3a. Sources of Water. Score all that apply. High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5)	3b. Connectivity. Score at 100 year floodplain (1) Between stream/lake and of Part of wetland/upland (e.g. Part of riparian or upland of 3d. Duration inundation/s	other human use (1) j. forest), complex (1)
	0	3c. Maximum water depth. Select one. >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (2) <0.4m (<15.7in) (1) 3e. Modifications to natural hydrologic regination. 		ited (3) per 30cm (12in) (1) and average.
	3	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances o ditch tile dike weir stormwater input	point source (nonstormwater) filling/grading road bed/RR track dredging other
8	24	Metric 4. Habitat Alteration a	nd Development.	
max 20 pts.	subtotal	4a. Substrate disturbance. Score one or don None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one ar Excellent (7) Very good (6)		
	3	Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double (check and average.	
	3	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	served shrub/sapling removal herbaceous/aquatic bed removal sedimentation dredging farming nutrient enrichment

subtotal this page

ORAM v. 5.0 Field Form Quantitative Rating last revised 1 February 2001 jjm

Site: Everpower Rater(s): BMF	· · · ·	Date: 10/20 / u
21/		
27		1
subtotal this page		Watland
Metric 5. Special Wetlands.		Wetland 6.
max 10 pts. subtotal Check all that apply and score as inc	dicate	d. / /
Bog (10)		
Fen (10)		
Old growth forest (10)		
Mature forested wetland (5)		
Lake Erie coastal/tributary wetland-unrestrict	-	
Lake Erie coastal/tributary wetland-restricted		ogy (5)
Lake Plain Sand Prairies (Oak Openings) (10))	
Relict Wet Praires (10)	er andar	ngered angeing (40)
Known occurrence state/federal threatened of Significant migratory songbird/water fowl hab		
Category 1 Wetland. See Question 5 Qualita		
		erspersion, microtopography.
	-	
max 20pts. subtotal 6a. Wetland Vegetation Communi	ties.	Vegetation Community Cover Scale
Score all present using 0 to 3 scale. Aquatic bed	1	Absent or comprises <0.1ha (0.2471 acres) contiguous area Present and either comprises small part of wetland's 1
Aquatic bed	1	vegetation and is of moderate quality, or comprises a
(Z) Shrub		significant part but is of low quality
Forest	2	Present and either comprises significant part of wetland's 2
Mudflats	_	vegetation and is of moderate quality or comprises a small
Open water		part and is of high quality
Other	3	Present and comprises significant part, or more, of wetland's 3
6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
Select only one.		
High (5)		Narrative Description of Vegetation Quality
Moderately high(4)		Low spp diversity and/or predominance of nonnative or low
Moderate (3) Moderately low (2)		disturbance tolerant native species Native spp are dominant component of the vegetation, mod
Low (1)		although nonnative and/or disturbance tolerant native spp
None (0)		can also be present, and species diversity moderate to
6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of rare
Table 1 ORAM long form for list. Add		threatened or endangered spp to
or deduct points for coverage		A predominance of native species, with nonnative spp high
Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
Nearly absent <5% cover (0)		
Absent (1)	•	Mudflat and Open Water Class Quality
Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	0 1	Absent <0.1ha (0.247 acres)
Score all present using 0 to 3 scale. Vegetated hummucks/tussucks	2	Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres)
Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more
Standing dead >25cm (10in) dbh	Ū	j. ng.r ma (clos asles) or more
Amphibian breeding pools		Microtopography Cover Scale
	0	Absent
	1	Present very small amounts or if more common
		of marginal quality
	2	Present in moderate amounts, but not of highest
ODAND TOTAL (quality or in small amounts of highest quality
25 GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts
last revised 1 February 2001 jjm		and of highest quality

Site:	EVPOIC)	Rater(s):	BMF /	KMH	Date:	12/13/11
		etric 1. Wetlan		œ).	WE'	TLAND	ブブ
max 6 pts.	subtotal Sele	ect one size class and assign socions is class and assign socions (>20.2ha) (6 pts 25 to <50 acres (10.1 to <10 to <25 acres (4 to <10.3 to <10 acres (1.2 to <4hc. 0.3 to <3 acres (0.12 to <10 to <10 acres (0.04 to <0.1 to <0.3 acres (0.04 to <0.1 acres (0.04 to)	s) 20.2ha) (5 pts) 1ha) (4 pts) a) (3 pts) .2ha) (2pts) <0.12ha) (1 pt)	Co	itegory)	SP62	- isolated 12 flags
3	14 M	etric 2. Upland		nd surroi	ınding laı		J .
max 14 pts.	subtotal 2a.	Calculate average buffer width. WIDE. Buffers average 50 MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers intensity of surrounding land use VERY LOW. 2nd growth of LOW. Old field (>10 years MODERATELY HIGH; Rehilder. Industrial, of the control of the con	Select only one and a com (164ft) or more are 25m to <50m (82 to ge 10m to <25m (32ft average <10m (<32ft average <10m (saft) as Select one or doub or older forest, prairie, sh, shrubland, young sesidential penced past	assign score. Do n nund wetland perim <164ft) around wet to <82ft) around w) around wetland p ole check and aven savannah, wildlife econd growth fores ure, park, conserva	ot double check. eter (7) tland perimeter (4) retland perimeter (1) erimeter (0) age. area, etc. (7) st. (5) ation tillage, new fall		
10		etric 3. Hydrol	- -		• •		
max 30 pts.	3c.	Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (la Maximum water depth. Select of 50.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1) Modifications to natural hydrological surface water (la Maximum water depth. Select of 50.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1)	ace water (3) ake or stream) (5) only one and assign so) (2)	3d, I	Part of wetland Part of riparian Puration inundation/ Semi- to perma Regularly inund Seasonally inund Seasonally sati	plain (1) m/lake and other hu /upland (e.g. forest) or upland comidor (saturation. Score o unently inundated/sa lated/saturated (3)	, complex (1) 1) ne or dbl check. aturated (4)
	5	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturb ditch tile dike weir stormwater		point source (n filling/grading road bed/RR to dredging other	ŕ	
q	23 M	etric 4. Habitat	Alteration	and Dev	elopmen	t.	
max 20 pts.	subtotal 4a. 3 4b.	Substrate disturbance. Score of None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select on Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) Habitat alteration. Score one or	ne or double check an	d average.			
	23 subtotal this page	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturb mowing grazing clearcutting selective cu woody debr toxic polluta	tting is removal	shrub/sapling re herbaceous/aqu sedimentation dredging farming nutrient enrichn	uatic bed removal	

e: EVPOIC)	Rater(s):	BMF/KMH	Date: 2/13/1
1221				Had JJ Sp62 Non-isolated
			· lua-	Hall TT
subtotal this page			Me	1 mo
1 12 -				co 107-
/ ~/ M	etric 5. Special V	∕etlands.		3702
10 pts. subtotal Che	eck all that apply and score as indicat	ed.		1 100
	Bog (10)			1100 - 150/atta
	Fen (10)			Non.
	Old growth forest (10)			Drains to South to ditch
	Mature forested wetland (5)	بنائل که فروند دریان فرارد	.l (40)	DAAINS
	Lake Erie coastal/tributary wet	•	, ,	South to
	Lake Erie coastal/tributary wet Lake Plain Sand Prairies (Oak		gy (5)	d:+ch
•	Relict Wet Praires (10)	Operange/ (10)		5 theam
	Known occurrence state/federa	al threatened or endan	gered species (10)	
	Significant migratory songbird/			10 0
3	Category 1 Wetland. See Que	stion 1 Qualitative Rat	ing (-10)	12 Gps pts
11 17.	· ·			
7 2 M	etric 6. Plant con	nmunities,	interspersion	, microtopography.
20 pts. subtotal 6a.	Wetland Vegetation Communities.	Vegetation Con	nmunity Cover Scale	
Sco	re all present using 0 to 3 scale.	0	Absent or comprises	<0.1ha (0.2471 acres) contiguous area
	Aquatic bed	1	Present and either c	omprises small part of wetland's
\sim 0	Emergent	•		of moderate quality, or comprises a
(1)	Shrub		significant part but	
$(\ \ \)$	Forest	2		omprises significant part of wetland's
	Mudflats		· 1	of moderate quality or comprises a small
	Open water Other	3	part and is of high	es significant part, or more, of wetland's
6h	horizontal (plan view) Interspersion.		vegetation and is	
	ect only one.	 	T Vegetation and is e	in riight quanty
	High (5)	Narrative Deści	iption of Vegetation Quality	•
	Moderately high(4)	low		d/or predominance of nonnative or
	Moderate (3)		disturbance tolerar	t native species
. (1)	Moderately low (2)	mod	Native spp are domin	nant component of the vegetation,
	∠ Low (1)		· ·	and/or disturbance tolerant native spp
_	None (0)		i i	t, and species diversity moderate to
	Coverage of invasive plants. Refer			ut generallyw/o presence of rare
to Ti	able 1 ORAM long form for list. Add		threatened or enda	
الم منتو	educt points for coverage	high		ative species, with nonnative spp tolerant native spp absent or virtually
or d	Extensive >75% cover (-5)		and/or disturbance	tererant native app absent of virtually
or d	Extensive >75% cover (-5) Moderate 25-75% cover (-3)			op diversity and often, but not always
	Moderate 25-75% cover (-3)		absent, and high s	op diversity and often, but not always, e, threatened, or endangered spp
or d	—		absent, and high s	op diversity and often, but not always, e, threatened, or endangered spp
	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	Mudflat and Ope	absent, and high s	
0	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	Mudflat and Ope	absent, and high s the presence of ran	e, threatened, or endangered spp
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)		absent, and high s the presence of rar en Water Class Quality	e, threatened, or endangered spp 7 acres)
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks	0 1 2	absent, and high s the presence of rar en Water Class Quality Absent <0.1ha (0.24 Low 0.1 to <1ha (0.24 Moderate 1 to <4ha	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6)	0 1 2 in) 3	absent, and high some the presence of range of the presence of	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3	absent, and high s the presence of ran en Water Class Quality Absent <0.1ha (0.24 Low 0.1 to <1ha (0.2 Moderate 1 to <4ha High 4ha (9.88 acres	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6)	0 1 2 in) 3 oh Microtopograph	absent, and high signs the presence of rander Class Quality Absent <0.1ha (0.24 Low 0.1 to <1ha (0.29 Moderate 1 to <4ha High 4ha (9.88 acress The Cover Scale	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)
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(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3 oh Microtopograph	absent, and high sign the presence of range of the presence of range of the presence of range of the presence of the presence of the presence of the present very small and the present very small and the present very small and the presence of the presence	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3 oh Microtopograph 0	absent, and high signs the presence of range of the presence of range of the presence of range of the presence of the present	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)) or more
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3 hh Microtopograph	absent, and high signs the presence of rand the present very small and of marginal quality.	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)) or more
(O) 6d.	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3 oh Microtopograph 0	absent, and high signs the presence of rand the present very small and of marginal quality.	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)) or more mounts or if more common amounts, but not of highest mounts of highest quality
(O)	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Microtopography. re all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6) Standing dead >25cm (10in) db	0 1 2 in) 3 oh Microtopograph 0 1	absent, and high signs the presence of rare en Water Class Quality Absent <0.1ha (0.24 Low 0.1 to <1ha (0.22 Moderate 1 to <4ha High 4ha (9.88 acress en Cover Scale Absent Present very small are of marginal quality Present in moderate quality or in small are	7 acres) 47 to 2.47 acres) (2.47 to 9.88 acres)) or more mounts or if more common amounts, but not of highest mounts of highest quality or greater amounts

Site:	EUPOIO	Rater(s): B. M FA	KINBURG / KMH Date: 12/13	///
2	∼ Metric 1. V	/etland Area (size).	WETLAND: K	K
max 6 pts.	subtotal Select one size class at >50 acres (>2	20.2ha) (6 pts)	ISOLATED ADJ	ACENT
	10 to <25 acr 3 to <10 acre	es (10.1 to <20.2ha) (5 pts) es (4 to <10.1ha) (4 pts) s (1.2 to <4ha) (3 pts)		2
	0.3 to <3 acre 0.1 to <0.3 acre	es (0.12 to <1.2ha) (2pts) cres (0.04 to <0.12ha) (1 pt) .04ha) (0 pts)	# of flags: _/ SIZE is Ac.:	75 ? RL
9		Ipland buffers and su		
max 14 pts.	subtotal 2a. Calculate average	buffer width. Select only one and assign scors average 50m (164ft) or more around wetla	re. Do not double check.	63
	MEDIUM. BI NARROW. E VERY NARR	uffers average 25m to <50m (82 to <164ft) as Buffers average 10m to <25m (32ft to <82ft) OW. Buffers average <10m (<32ft) around v	ound wetland perimeter (4) around wetland perimeter (1) wetland perimeter (0)	2
	VERY LOW.	nding land use. Select one or double check 2nd growth or older forest, praine, savanna eld (>10 years), shrubland, young second gro	, wildlife area, etc. (7)	
	MODERATE	LY HIGH. Residential, fenced pasture, park n, industrial, open pasture, row cropping, mir	conservation tillage, new fallow field. (3)	<i>;</i> .
10	29 Metric 3. H			
max 30 pts.	subtotal 3a. Sources of Water. High pH group	indwater (5)	3b. Connectivity. Score all that apply. 100 year floodplain (1) Between stream/lake and other human use (1)	·
·	Precipitation Seasonal/Int	(1) ermittent surface water (3)	Part of wetland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1)	
• •		rface water (lake or stream) (5) apth. Select only one and assign score. (3)	3d. Duration inundation/saturation. Score one or dbl checonomic Semi- to permanently inundated/saturated (4) Regularly inundated/saturated (3)	ж.
:	0.4 to 0.7m (<0.4m (<15.	15.7 to 27.6in) (2) 7in) (1)	Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1)	
	None or non	e apparent (12) Check all disturbances of dis		
	Recovering		filling/grading road bed/RR track	· ·
		weir stormwater input	dredging other	٠
14	34 Metric 4. I	Habitat Alteration and	l Development.	
max 20 pts.	None or nor	ance. Score one or double check and average apparent (4)	ie.	•
	Recovered (Recovering Recent or n			
	4b. Habitat developm Excellent (7	ent. Select only one and assign score.	•	
	Very good (Good (5) Moderately			•
	Fair (3) Poor to fair Poor (1) 4c. Habitat alteration.	(2) Score one or double check and average.		
	<u> </u>	ne apparent (9) Check all disturbances of	bserved shrub/sapling removal	
	Recovering	(3) grazing o recovery (1) clearcutting	herbaceous/aquatic bed removal sedimentation	
	34	selective cutting woody debris remo	dredging val farming	*

	EVYO	10		Rater(s): BRAL) FALKINBURG	Date: 12/13/
		1				
•	34		# # # # # # # # # # # # # # # # # # #			LAND: KK
	subtotal this pag	je	· · · · · · · · · · · · · · · · · · ·		いとう	, AN D'
0	324	Moti	ic 5. Special W	otlands		
	101	_				
max 10 pts.	subtotal-	Check at	Bog (10)	u.		
			Fen (10)	*		•
	••••	-	Old growth forest (10)		•	
	0			and-unrestricted hydrolog	v (10)	
		. H	4			.
			Lake Plain Sand Prairies (Oak (Openings) (10)		
		<u> </u>	Relict Wet Praires (10)	! #h##		·
		-	-1		and the second s	
		. \vdash	4	_		
1.1	1117	7 _	•			
11.	145	∐Metı	ric 6. Plant com		· · · · · · · · · · · · · · · · · ·	crotopography.
max 20 pts.	subtotal		land Vegetation Communities.			
		Score al	present using 0 to 3 scale.			No. of the Contract of the Con
		1-17	Aquatic bed Emergent	,		
1	(5)	2 - 3	Shrub			the state of the s
'	\mathcal{L}_{2}	- X	Forest	2		
			Mudflats			te quality or comprises a small
	•	-	Open water Other	3		icant part, or more, of wetland's
		6b. hori	zontal (plan view) Interspersion.	th forest (10) rested wetland (5) coastal/tributary wetland-unrestricted hydrology (10) coastal/tributary wetland-unrestricted hydrology (5) n Sand Prairies (Oak Openings) (10) et Praires (10) courrence state/federal threatened or endangered species (10) nt migratory songbird/water fowl habitat or usage (10) 1 Wetland. See Question 1 Qualitative Rating (-10) Plant communities, interspersion, microtopograph tation Communities. sing 0 to 3 scale. 0 Absent or comprises > 0.1ha (0.2471 acres) contiguous and set of moderate quality, or comprises a significant part but is of low quality 1 Present and either comprises significant part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality 2 Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a significant part and omprises significant part of wetland's vegetation and is of high quality 3 Present and comprises significant part, or more, of wetlan vegetation and is of high quality. Narrative Description of Vegetation Quality. Narrative Description of Vegetation Quality. Narrative Description of Vegetation Quality. Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native species Navasive plants. Refer omograph of the vegetation and is of high quality or comprises and although nonnative and/or disturbance tolerant native species was part and or of the vegetation of the vegetation and is of high quality. Navasive plants. Refer on deminant component of the vegetation, although nonnative and/or disturbance tolerant native species with nonnative species, with nonnative species and/or disturbance tolerant native species, with nonnative species, with nonnative species, with nonnative species, with nonnative species and/or disturbance tolerant native species, with nonnative species and not not	· ·	
		Select o	nly one.			1
	•	-	High (5)			leminence of pennetive or
**		$\neg \vdash$	Moderately high(4) Moderate (3)	iow .		
	(2	ント	Moderately low (2)	mod		
			Low (1)		although nonnative and/or	disturbance tolerant native spp
			Mone (0)		l .	
	•		None (0)	*	i ·	
			erage of invasive plants. Refer	A _B	moderately high, but gener	allyw/o presence of rare
	•	to Table	 -		moderately high, but generated threatened or endangered	allyw/o presence of rare spp
		to Table	erage of invasive plants. Refer 1 ORAM long form for list. Add at points for coverage Extensive >75% cover (-5)		moderately high, but gener threatened or endangered A predominance of native sp and/or disturbance tolerant	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually
	<i>[</i>	to Table	erage of invasive plants. Refer 1 ORAM long form for list. Add t points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)		moderately high, but generate threatened or endangered. A predominance of native spand/or disturbance tolerant absent, and high spp diverse.	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually sity and often, but not always,
	(6	to Table or deduc	erage of invasive plants. Refer 1 ORAM long form for list. Add t points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		moderately high, but gener threatened or endangered A predominance of native sp and/or disturbance tolerant	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually sity and often, but not always,
	(6	to Table or deduc	erage of invasive plants. Refer 1 ORAM long form for list. Add t points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high	moderately high, but generate threatened or endangered. A predominance of native spand/or disturbance tolerant absent, and high spp diverse.	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually sity and often, but not always,
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		to Table or deduced for deduce	erage of invasive plants. Refer 1 ORAM long form for list. Add t points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) rotopography. Il present using 0 to 3 scale. Vegetated hummucks/tussucks	Mudflat and Open 0 1 2	moderately high, but generative and or endangered. A predominance of native spand/or disturbance tolerant absent, and high spp divers the presence of rare, threat water Class Quality Absent <0.1ha (0.247 acres Low 0.1 to <1ha (0.247 to 2.4 Moderate 1 to <4ha (2.47 to	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually sity and often, but not always, tened, or endangered spp 17 acres) 9.88 acres)
	(4)	to Table or deduc	erage of invasive plants. Refer 1 ORAM long form for list. Add to points for coverage. Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) rotopography. Il present using 0 to 3 scale.	Mudflat and Open 0 1 5 2 Sin) 3	moderately high, but gener threatened or endangered. A predominance of native sp and/or disturbance tolerant absent, and high spp divers the presence of rare, threat Water Class Quality Absent <0.1ha (0.247 acres Low 0.1 to <1ha (0.247 to 2.47).	allyw/o presence of rare spp ecies, with nonnative spp native spp absent or virtually sity and often, but not always, tened, or endangered spp 17 acres) 9.88 acres)
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toxic pollutants

nutrient enrichment

Site: EVE	rpaver	Rater(s): BMF	Date: /2-/9-//
23			Date: 12-14-11 Wetland NN 5P-66
subtotal this	s page		50-1/0
0 2	Metric 5. Si	pecial Wetlands.	1 60
max 10 pts. subtota			
·	Bog (10)	• •	
	Fen (10)		
	Old growth fore		
	Mature foreste	tal/tributary wetland-unrestricted hydrology (10)	e de la companya de l
* (^ \ 	tal/tributary wetland-restricted hydrology (5)	
		d Prairies (Oak Openings) (10)	
•	Relict Wet Prai		
	Known оссиле	nce state/federal threatened or endangered species (10	· ·
	Significant mig	ratory songbird/water fowl habitat or usage (10)	
	Category 1 We	tland. See Question 1 Qualitative Rating (-10)	•
5 1 2	٠,		
5 2	X Metric 6. Pi	ant communities, interspe	ersion, microtopography.
nax 20 pts. subtota	6a. Wetland Vegetation	Communities. Vegetation Community Cover S	cale
	Score all present using 0	to 3 scale. O Absent o	r comprises <0.1ha (0.2471 acres) contiguous area
	Aquatic bed	1 Present a	and either comprises small part of wetland's
	(★ Emergent	vegeta	tion and is of moderate quality, or comprises a
	\		ant part but is of low quality
(2)	Forest	i i	and either comprises significant part of wetland's
	Mudflats		tion and is of moderate quality or comprises a small
•	Open water		d is of high quality
	Other6b. horizontal (plan view		and comprises significant part, or more, of wetland's tion and is of high quality
	Select only one.	/ Interspersion	uoti and is of high quanty
	High (5)	Narrative Description of Vegeta	tion Quality
	Moderately hig		diversity and/or predominance of nonnative or
	Moderate (3)	1 · · · · · · · · · · · · · · · · · · ·	ance tolerant native species
(2	2 / X Moderately low	(2) mod Native sp	pp are dominant component of the vegetation,
		aithoug	h nonnative and/or disturbance tolerant native spp
	Low (1)		o be present, and species diversity moderate to
	Low (1) None (0)	j -	o be present, and species diversity moderate to
	None (0) 6c. Coverage of invasive	can als plants. Refer modera	ately high, but generallyw/o presence of rare
	None (0) 6c. Coverage of invasive to Table 1 ORAM long fo	can als plants. Refer modera modera threate	ately high, but generallyw/o presence of rare ned or endangered spp
	None (0) 6c. Coverage of invasive to Table 1 ORAM long fo or deduct points for cover	can als plants. Refer modera threate rage high A predom	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp
laris =	None (0) 6c. Coverage of invasive to Table 1 ORAM long fo or deduct points for coverage Extensive >75%	can als plants. Refer modera threate rage high A predom and/or an	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually
laris	None (0) 6c. Coverage of invasive to Table 1 ORAM long fo or deduct points for coverage Extensive >75% Moderate 25-75%	can als modera modera threate high A predom and/or cover (-5) and/or absent,	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always,
lavis (-3	None (0) 6c. Coverage of invasive to Table 1 ORAM long fo or deduct points for coverage >759 Extensive >759 Moderate 25-78 Sparse 5-25%	can als modera threate mage high A predom and/or cover (-3) absent, cover (-1) the predom the predom threate mage high A predom and/or absent, the predom	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually
lais = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for cover Extensive >75% Moderate 25-7% Sparse 5-25% Nearly absent	can als moders moders threate threate fage high A predom and/or absent, cover (-3) absent, cover (-1) the present factors and factors for the present factors factors for the present factors for the present factors for the	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp
lais = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for cover Extensive >75% Moderate 25-75% Nearly absent (1)	can als moders threate threate age high A predom and/or absent, cover (-3) absent, the predom cover (-1) the predom cover (0) Mudflat and Open Water Class Cover (-2)	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp
larz = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for cover Extensive >75% Moderate 25-75% Nearly absent 4 Absent (1) 6d. Microtopography.	can als moders threate threate age high A predom and/or absent, cover (-3) absent, the presence (-1) the presence (-1) Mudflat and Open Water Class (-1) Absent (-	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality
lariz = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for cover Extensive >75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0	can als modera threate modera modera threate modera	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres)
daris = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0	can als moders threate threate from for list. Add rage high A predom and/or absent, cover (-3) absent, cover (-1) the present for 3 scale. mucks/tussucks Can als moders from threate threate threate and for and/or absent, cover (-1) the present for 3 scale. Can als moders from threate threate from threate threate from threate f	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres) 0.1ha (0.247 to 2.47 acres) 1 to <4ha (2.47 to 9.88 acres)
daris = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Nearly absent Absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody	can als moders threate threate from for list. Add rage high A predom and/or absent, cover (-3) absent, cover (-1) the present for 3 scale. mucks/tussucks Can als moders from threate threate threate and for and/or absent, cover (-1) the present for 3 scale. Can als moders from threate threate from threate threate from threate f	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres)
daris = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Nearly absent Absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody	can als moders threate threate from for list. Add sage high A predom and/or absent, cover (-5) absent, cover (-1) the present to 3 scale. mucks/tussucks debris >15cm (6in) >25cm (10in) dbh	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres) 0.1ha (0.247 to 2.47 acres) 1 to <4ha (2.47 to 9.88 acres)
laris (-3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threate threate from for list. Add sage high A predom and/or absent, cover (-5) absent, cover (-1) the present to 3 scale. mucks/tussucks debris >15cm (6in) >25cm (10in) dbh	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres) 0.1ha (0.247 to 2.47 acres) 1 to <4ha (2.47 to 9.88 acres)
laris	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threater moders threater from for list. Add mage high A predom and/or absent, for cover (-3) absent, for cover (-1) the present of a scale. To 3 scale. To 3 scale. To 3 scale. To 4 be a scale. To 4 be a scale. To 5 cover (6) Mudflat and Open Water Class of the present	ately high, but generallyw/o presence of rare ned or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 0.1ha (0.247 acres) 0.1ha (0.247 to 2.47 acres) 1 to <4ha (2.47 to 9.88 acres)
daris = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threate and for list. Add sage high A predom and/or absent, for cover (-3) absent, for cover (-1) the present to 3 scale. mucks/tussucks debris >15cm (6in) >25cm (10in) dbh ading pools mucks/tussucks and modern water Class (2) Moderate (3) High 4ha (2) Microtopography Cover Scale (3) Absent (4) Present vor many forms (5) Absent (6) A	ately high, but generallyw/o presence of rare med or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 10.1ha (0.247 acres) 10 <1ha (0.247 to 2.47 acres) 11 to <4ha (2.47 to 9.88 acres) 12 (9.88 acres) or more
dars = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threated age high A predom and/or absent, cover (-5) absent, cover (-1) the present of a scale. The mucks/tussucks debris >15cm (6in) 25cm (10in) dbh ading pools Plant A B Can als moders threated threated and predom and/or absent, the present of a scale. Mudflat and Open Water Class (1)	ately high, but generallyw/o presence of rare med or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 10.1ha (0.247 acres) 11 to <4ha (2.47 to 9.88 acres) 19.88 acres) or more 11 to representation or if more common ginal quality 11 moderate amounts, but not of highest
daris = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threater moders threater from for list. Add mage high A predom and/or absent, for cover (-3) absent, for cover (-1) the present of a scale. To 3 scale. To 3 scale. To 4 Absent < 1 Low 0.1 the present with the present for cover (10) and for co	ately high, but generallyw/o presence of rare med or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 10.1ha (0.247 acres) 11 to <4ha (2.47 to 9.88 acres) 12 (9.88 acres) or more Perry small amounts or if more common initial quality 12 moderate amounts, but not of highest or in small amounts of highest quality
dars = 3	None (0) 6c. Coverage of invasive to Table 1 ORAM long for or deduct points for coverage of invasive >75% Moderate 25-75% Moderate 25-75% Nearly absent (1) 6d. Microtopography. Score all present using 0 Vegetated hum Coarse woody Standing dead	can als moders threate from for list. Add rage high A predom and/or absent, for cover (-5) absent, for cover (-1) absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent Selection of the predom and/or absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent, for cover (0) Absent Selection of the predom and/or absent Selection of the predom and or absent Sel	ately high, but generallyw/o presence of rare med or endangered spp ninance of native species, with nonnative spp disturbance tolerant native spp absent or virtually and high spp diversity and often, but not always, sence of rare, threatened, or endangered spp Quality 10.1ha (0.247 acres) 10 <1ha (0.247 to 2.47 acres) 11 to <4ha (2.47 to 9.88 acres) 12 (9.88 acres) or more The rery small amounts or if more common initial quality 12 moderate amounts, but not of highest

Site: €	VPOIO	aph (a)	Rater(s): K. Hev	shey	Date: 3-4-13
0	0	letric 1. Wetland	Area (size).		Solated
max 6 pts.	sublotal Se	lect one size class and assign score >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20 10 to <25 acres (4 to <10.1h	a. .2ha) (5 pts)		PEM/PSS 12 flags
	(0)	3 to <10 acres (1.2 to <4ha) 0.3 to <3 acres (0.12 to <1.2 0.1 to <0.3 acres (0.04 to <0.4 <0.1 acres (0.04ha) (0 pts)	(3 pts) (ha) (2pts)	\(\delta \)	12 flags
1	/ IV	letric 2. Upland	buffers and sur	rounding land	use.
max 14 pts.	subtotal 2a.	Calculate average buffer width. S WIDE. Buffers average 50m MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth or LOW. Old field (>10 years), MODERATELY HIGH. Resi	elect only one and assign score. (164ft) or more around wetland (25m to <50m (82 to <164ft) around to <25m (32ft to <82ft) around verage <10m (<32ft) around wetlay select one or double check and older forest, prairie, savannah, wishrubland, young second growth dential, fenced pasture, park, conditions (164ft) around wetlay select one or double check and older forest, prairie, savannah, wishrubland, young second growth dential, fenced pasture, park, conditions (164ft) around wetlay select one or double check and older forest, prairie, savannah, wishrubland, young second growth dential, fenced pasture, park, conditions (164ft) around wetlay select one or double check and older forest, prairie, savannah, wishrubland, young second growth dential, fenced pasture, park, conditions (164ft) around wetlay select one or double check and older forest.	Do not double check. perimeter (7) Id wetland perimeter (4) Ind wetland perimeter (1) Ind perimeter (0) Ind perimeter (0) Ind perimeter (0) Ind perimeter (7) Ind perimeter (7) Ind perimeter (8) Ind perimeter (9) Ind perimeter (9) Ind perimeter (1) Ind perimeter (1	
	[/]		en pasture, row cropping, mining,	construction. (1)	
max 30 pts.		Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3)		, 🗀	1) e and other human use (1)
	3c.	Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lake Maximum water depth. Select only	e water (3) e or stream) (5)	Part of riparian or up 3d. Duration inundation/satura Semi- to permanenti	ation. Score one or dbl check. y inundated/saturated (4)
	① 3e.	>0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (<0.4m (<15.7in) (1) Modifications to natural hydrologic	regime. Score one or double che	Seasonally saturated seck and average.	
n 17	0	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances observed ditch tile dike weir stormwater input	point source (nonsto filling/grading road bed/RR track dredging other_	rmwater)
7	13 M	etric 4. Habitat	Alteration and D	evelopment.	
max 20 pts,	subtotal 4a.	Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select only of Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) Habitat alteration. Score one or do	or double check and average.		
	3 blotal this page	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	shrub/sapling remova herbaceous/aquatic b sedimentation dredging farming nutrient enrichment	

te: EVPOIO Ra	ater(s): KHe	Sney	Date: 3-4-13
13			
, ,			
subtotal this page			
0 13	727 B		
Metric 5. Special We	tlands.		
10 pts. subtotal Check all that apply and score as indicated.			
Bog (10)		27	
Fen (10)			
Old growth forest (10)			
Mature forested wetland (5)			
Lake Erie coastal/tributary wetland-	, ,		
Lake Erie coastal/tributary wetland-		5)	
Lake Plain Sand Prairies (Oak Ope	enings) (10)		
Relict Wet Praires (10)		1	
		Charles Charles in Figure 19	
	7		
Category I Wettand. See Question	I I Qualitative Rating	(-10)	
14 Metric 6 Plant comm	nunities ir	terenergion mi	crotonogranhy
			crotopograpity.
20 pts. subtotal 6a. Wetland Vegetation Communities. Score all present using 0 to 3 scale.			(0.2474)ti
Aquatic bed		The second secon	
Emergent			
(2) Shrub			
Forest	2		
Mudflats			
Open water		part and is of high quality	
Other	3	Present and comprises signif	icant part, or more, of wetland's
6b. horizontal (plan view) Interspersion.		vegetation and is of high qu	ality
Select only one.	etland-unrestricted hydrology (10) etland-restricted hydrology (5) ak Openings) (10) eral threatened or endangered species (10) d/water fowl habitat or usage (10) uestion 1 Qualitative Rating (-10) **Marrative Description of Vegetation Quality* Narrative Description of Vegetation Quality		
High (5)	Narrative Descripti		
Moderately high(4)	low		
Moderate (3)			
Moderately low (2)	mod		
Low (1)			
None (0) 6c. Coverage of invasive plants. Refer			
to Table 1 ORAM long form for list. Add			
or deduct points for coverage	high		***
Extensive >75% cover (-5)	mgn		
Moderate 25-75% cover (-3)			sity and often, but not always,
(-3) Sparse 5-25% cover (-1)		the presence of rare, threat	
Nearly absent <5% cover (0)			
Absent (1)	Mudflat and Open \	Water Class Quality	
6d. Microtopography.	0	Absent <0.1ha (0.247 acres)	
Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.4	7 acres)
Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to	9.88 acres)
Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	9
Standing dead >25cm (10in) dbh		NOTE THE REAL PROPERTY.	
Amphibian breeding pools	Microtopography C		
	0	Absent	vr if mare namme =
		Present very small amounts of	a more common
	2	of marginal quality Present in moderate amounts	but not of highest
	2	quality or in small amounts	The state of the s
	3	Present in moderate or dream	aniounis
Caf I	3	Present in moderate or greate and of highest quality	er amounts

Site:	EVPO	10		Rater(s):	K. Hers	hey	Date:	3-4-13
2	2	Metr	ric 1. Wetland	Area (siz	œ).	,		•
max 6 pts.	subtotal	-	ne size class and assign score.	•			1/10	tland k djacent M/PSS
			>50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2				V ()C	A COLOR
	6	(2) 	10 to <25 acres (4 to <10.1ha 3 to <10 acres (1.2 to <4ha) (3				α	.ajacent
	Q	グ 区	0.3 to <3 acres (0.12 to <1.2h 0.1 to <0.3 acres (0.04 to <0.1	a) (2pts) (2ha) (1 pt)			DE	MAIDEC
		, 🗀	<0.1 acres (0.04ha) (0 pts)	2.10) (1. pt)			IL	101/125
	3	Metr	ic 2. Upland b	uffers ar	ıd surro	unding land	d use.	
max 14 pts.	subtotal	2a. Calc	ulate average buffer width. Se WIDE. Buffers average 50m					
	1	の -	MEDIUM. Buffers average 25	m to <50m (82 to	<164ft) around w	etland perimeter (4)		
	,		NARROW. Buffers average 1 VERY NARROW. Buffers ave					
		2b. Inter	nsity of surrounding land use. VERY LOW. 2nd growth or o			•		
	($\mathbb{D} \vDash$	LOW. Old field (>10 years), s MODERATELY HIGH. Resid	hrubland, young s	econd growth for	est. (5)	field (3)	
		, 🗵	HIGH. Urban, industrial, oper				neid. (5)	***
111	14	Met	ic 3. Hydrolog	IV.				
max 30 pts	subtotal		ces of Water. Score all that ap		3b.	Connectivity. Score all		
		ຸ ⊨	High pH groundwater (5) Other groundwater (3)		0	X Between stream/la	ake and other hu	
	Ć	₹	Precipitation (1) Seasonal/Intermittent surface	water (3)		Part of wetland/up Part of riparian or		
		30 May	Perennial surface water (lake mum water depth. Select only		•	Duration inundation/sat		
			>0.7 (27.6in) (3)		(D)	Regularly inundate	ed/saturated (3)	italiated (4)
			0.4 to 0.7m (15.7 to 27.6in) (2 <0.4m (<15.7in) (1))		Seasonally inundated Seasonally satura		m (12in) (1)
		3e, Mod	ifications to natural hydrologic			and average.		1
		3E	None or none apparent (12) Recovered (7)	Check all disturb	ances observed	point source (nons	stormwater)	
			Recovering (3) Recent or no recovery (1)	tile dike		filling/grading road bed/RR track	,	
		<u> </u>	, ,	weir		dredging		
		1		stormwater	input	other	· · · · · · · · · · · · · · · · · · ·	ļ
5	19	Met	ric 4. Habitat A	Iteration	and De	velopment.		
max 20 pts.	. subtotal	4a. Subs	strate disturbance. Score one o None or none apparent (4)	or double check an	id average.			
		D _	Recovered (3)					
			Recovering (2) Recent or no recovery (1)		• •			
		4b. Habi	tat development. Select only of Excellent (7)	ne and assign sco	re.		*	
			Very good (6) Good (5)					
	(D	Moderately good (4)					
	Ì		Fair (3) Poor to fair (2)					
	•	4c. Habi	Poor (1) tat alteration. Score one or do	uble check and ave	erage.			-
		$_{\perp}$ \sqsubset	None or none apparent (9)	Check all disturb		shrib/sarii	oval	
	. (٥ H	Recovered (6) Recovering (3)	mowing grazing		shrub/sapling rem		
		1 LX	Recent or no recovery (1)	clearcutting selective cu		sedimentation dredging		
	119			woody debr	ris removal	farming nutrient enrichmer	nt	
	subtotal this pag	J re		CV TOXIO POLITICE			<u> </u>	

Site: EVPOIO R	Rater(s): ドト	ershey	Date: 3-4-13
19		,	چا
subtotal this page			Wetland KF
DID Matric E Special W	ation do		rveriavia kr
max 10 pts. subtotal Check all that apply and score as indicated.			•
Bog (10)	•	•	
Fen (10)			
Old growth forest (10)			
Mature forested wetland (5) Lake Erie coastal/tributary wetlan	d-unrestricted hydrolog	nv (10)	
Lake Erie coastal/tributary wetland			
Lake Plain Sand Prairies (Oak Op		· /	
Relict Wet Praires (10)	•		
Known occurrence state/federal th			
Significant migratory songbird/wa Category 1 Wetland. See Questic		· · ·	
Oategory I Welland. See Question	on i Qualitative Nating	(-10)	
Metric 6. Plant com	munities. ii	nterspersion, n	nicrotopography.
max 20 pts. subtotal 6a. Wetland Vegetation Communities.	Vegetation Comm		and the Greekery's
Score all present using 0 to 3 scale.	0	Absent or comprises <0.1	ha (0.2471 acres) contiguous area
Aquatic bed	1	· · · · · · · · · · · · · · · · · · ·	ises small part of wetland's
2 Emergent Shrub		•	derate quality, or comprises a
\smile		significant part but is of	
Forest Mudflats	2	•	ises significant part of wetland's
Open water		part and is of high quali	derate quality or comprises a small
Other	3		gnificant part, or more, of wetland's
6b. horizontal (plan view) Interspersion.		vegetation and is of high	
Select only one.			
High (5)		tion of Vegetation Quality	
Moderately high(4)	low	1 '' '	predominance of nonnative or
Moderate (3) Moderately low (2)	mod	disturbance tolerant nat	component of the vegetation,
Low (1)	mod	I ''	/or disturbance tolerant native spp
None (0)		· ·	d species diversity moderate to
6c. Coverage of invasive plants. Refer		•	nerallyw/o presence of rare
to Table 1 ORAM long form for list. Add		threatened or endanger	ed spp
or deduct points for coverage	high	1 '	species, with nonnative spp
Extensive >75% cover (-5) Moderate 25-75% cover (-3)			ant native spp absent or virtually
Sparse 5-25% cover (-1)			versity and often, but not always, reatened, or endangered spp
Nearly absent <5% cover (0)			reactived, or oridarigered 355
Absent (1)	Mudflat and Open	Water Class Quality	
6d. Microtopography.	0	Absent <0.1ha (0.247 ac	res)
Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to	•
Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47	
Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	3	High 4ha (9.88 acres) or r	nore
Amphibian breeding pools	Microtopography	Cover Scale	
Land of the state	0	Absent	
	1	Present very small amour	nts or if more common
•		of marginal quality	
	. 2	Present in moderate amo	
	3	quality or in small amou	
Cat 7	3	Present in moderate or gr and of highest quality	eater amounts
$\frac{1}{2}$ Cat 1	-	and or nightest quality	<u></u>
GRAND TOTAL(max 100 pts)			

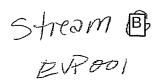
APPENDIX D

Stream Data Sheets

A Mod Class II besco on HMFEI & lack of Sabmonders &

Primary Headwater Habitat Evaluation Form EVPOOI Stream B HHEI Score (sum of metrics 1, 2, 3) SITE NAME/LOCATION DRAINAGE AREA (mi²) 0,46 SITE NUMBER RIVER BASIN LAT. 40° 9' 26.11 LONG.83° 39 '52-44 RIVER CODE LENGTH OF STREAM REACH (ft) _200 122 108 SCORER 5MH COMMENTS NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Instructions RECOVERED RECOVERING RECENT OR NO RECOVERY RECOVERED STREAM CHANNEL INONE/NATURAL CHANNEL MODIFICATIONS: SUBSTRATE (Estimate percent of every type of substrate present. Check ONLY two predominant substrate TYPE boxes HHEI (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B. Metric PERCENT TYPE PERCENT **Points** BLDR SLABS [16 pts] SILT [3,pt] (3), A Section LEAF PACK/WOODY DEBRIS [3 pts] BOULDER (>256 mm) [16 pts] Substrate FINE DETRITUS [3 pts] BEDROCK [16 pt] Max = 40CLAY or HARDPAN [0 pt] COBBLE (65-256 mm) [12 pts] MUCK [0 pts] GRAVEL (2-64 mm) [9 pts] do ARTIFICIAL [3 pts] SAND (<2 mm) [6 pts] Total of Percentages of (B) A + BBldr Slabs, Boulder, Cobble, Bedrock SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES: TOTAL NUMBER OF SUBSTRATE TYPES: Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 ft) evaluation reach at the time of Pool Depth evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): Max = 30 > 5 cm - 10 cm [15 pts] > 30 centimeters [20 pts] P 30 < 5 cm [5 pts] > 22.5 - 30 cm [30 pts] > 10 - 22.5 cm [25 pts] NO WATER OR MOIST CHANNEL [0 pts] MAXIMUM POOL DEPTH (centimeters): COMMENTS Bankfull (Check ONLY one box): BANK FULL WIDTH (Measured as the average of 3-4 measurements) Width > 4.0 meters (> 13') [30 pts] 2 > 1.0 m - 1.5 m (> 3' 3" - 4' 8") [15 pts] ≤ 1.0 m (≤ 3' 3") [5 pts] Max=30 > 3.0 m - 4.0 m (> 9'.7" - 13') [25 pts] > 1.5 m - 3.0 m (> 9' 7" - 4' 8") [20 pts] AVERAGE BANKFULL WIDTH (meters) This information must also be completed \$NOTE: River Left (L) and Right (R) as looking downstream\$ RIPARIAN ZONE AND FLOODPLAIN QUALITY FLOODPLAIN QUALITY RIPARIAN WIDTH (Per Bank) R (Most Predominant per Bank) ŌÖ Mature Forest, Wetland Conservation Tillage Wide >10m Immature Forest, Shrub or Old Moderate 5-10m Urban or Industrial Field Open Pasture, Row ZE CK Residential, Park, New Field Narrow <5m Crop Fenced Pasture Mining or Construction None COMMENTS FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Moist Channel, isolated pools, no flow (Intermittent) Dry channel, no water (Ephemeral) Subsurface flow with isolated pools (Interstitial) COMMENTS SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): 3.0 None 1.0 >3 0.5 STREAM GRADIENT ESTIMATE Moderate to Severe Flat (0.5 ft/100 ft) Moderate (2 ft/100 ft) Severe (10 ft/100 ft) Flat to Moderate

ADDITIONAL STREAM INFORMATION (This Information Must Also be Comp	pleted):
QHEI PERFORMED? - Yes KNo QHEI Score(If	Yes, Attach Completed QHEI Form)
DOWNSTREAM DESIGNATED USE(S)	
DCWH Name: MAD RIVER	Distance from Evaluated Stream
	Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WAT	
USGS Quadrangle Name: USGS Quadrangle Name: District LOT 4544 NRCS S	
County: Champaian Township / City:	Ilnion TWD
MISCELLANEOUS	
Base Flow Conditions? (Y/N): Date of last precipitation: 5/20	Quantity: 4/11
Base Flow Conditions? (Y/N): N Date of last precipitation: 5/20 Photograph Information: EVPOBI, 300, 0006, X/5	Photo # s 25 2 26
Elevated Turbidity? (Y/N): Canopy (% open):	•
Were samples collected for water chemistry? (Y/N): (Note lab sample r	no. or id. and attach results) Lab Number:
Field Measures: Temp (°C) Dissolved Oxygen (mg/l)pH	f (S.U.) Conductivity (μmhos/cm)
Is the sampling reach representative of the stream (Y/N) If not, please ex	xplain:
, , , , , , , , , , , , , , , , , , ,	
BIOTIC EVALUATION	
Performed? (Y/N): (If Yes, Record all observations. Voucher collection ID number. Include appropriate field data sheets fr	ns optional. NOTE: all voucher samples must be labeled with the site rom the Primary Headwater Habitat Assessment Manual)
Fish Observed? (Y/N) Voucher? (Y/N) Salamanders Observed? Frogs or Tadpoles Observed? (Y/N) Voucher? (Y/N) A Aquatic Macroin	(Y/N) Voucher? (Y/N) Voucher? (Y/N) V nvertebrates Observed? (Y/N) Voucher? (Y/N) V ADDITION OF THE PROPERTY OF THE N
John Maria Hagaran Garage	ed Munita Sampling.
$\frac{u_1 + u_2 + u_3 + u_4 + v_4 + v_4 + v_4 + v_4}{1}$	a mino sompression
DRAWING AND NARRATIVE DESCRIPTION OF ST	REAM REACH (This must be completed):
Include important landmarks and other features of interest for site eva	
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X - 1 - 103 +1 - 1	
FLOW -	
FLOW 3	
FLOW Plant of the state of the	W. C.
FLOW -	e de la companya della companya della companya de la companya della companya dell



3. Macroinvertebrate Scoring Sheet:

THE HEADWATER MACROINVERTEBRATE FIELD EVALUATION INDEX (HMFEI) SCORING SHEET

Indicate Abundance of Each Taxa Above each White Box. Record HMFEI Scoring Value Points Within each Box. For EPT taxa also indicate the number of different taxa present

Key: V = Very Abundant	(>50); A = Abundant (10 - 5	50); C =	= Common (3 -9); $\mathbf{R} = \mathbf{R}\mathbf{r}$	ие (< 3)
Sessile Animals (Porifera, Cnidaria, Bryozoa) (HMFEI pts = 1)	Crayfish (Decapoda) - (HMFEI pts = 2)		Fishfly Larvae (Corydalidae) (HMFEl pts = 3)	
Aquatic Worms (Turbellaria, Oligochaeta, Hirudinea) (HMFEI pts = 1)	Dragonfly Nymphs (Anisoptera) (HMFEI pts = 2)		Water Penny Bectles (Psephenidae) (HMFEI pts = 3)	
Sow Bugs (Isopoda) (HMFEI pts = 1)	Riffle Beetles (Dryopidae, Elimidae, Ptilodactylidae) (HMFEI pts = 2)		Cranefly Larvae (Tipulidae) (HMFEI pts = 3)	
Scuds (Amphipoda) (HMFEi pts = 1)	Larvze of other Flies (Diptera) Name: (HMFEI pts = 1)	た []	EPA TAXA Total No. EPT Taxa	
Water Mites (Hydracarine) - (HMFEI pts = 1)	Midges (Chironomids) (HMFEI pts = 1)		Mayfly Nymphs (Ephemeroptera)	
Damselfly Nymphs (Zygoptera) (HMFEI pts = 1)	Snails (Gastropoda) (HMFEl pts = 1)		Taxa Present [HMFEl pts = No. Taxa (x) 3]	<u>:/</u>
Alderfly Larvae (Sialidae) (HMFEI pts = 1)	Clams (Bivalvia) (HMFEI pts = 1)		Stonefly Nymphs (Plecoptera)	
Other Beetles (Coleoptera) (HMFEI pts = 1)	Other Taxe :		Taxa Present [HMFEI pts = No. Taxa (x) 3]	<u></u>
Other Taxa:	Other Taxa:		Caddisfly Larvae (Trichoptera)	 .
Other Taxa:	Other Taxa:		Taxa Present	
Other Taxa:	Other Texa		[HMFEI pts = No. Texa (x) 3]	
Voucher Sample ID <u>Alach IC</u> Notes on <u>Macroinvertebrates: (</u> Predominal	Time Sper at Organisms; Other Common Organism			
Final HMF	EI Calculated Score (Sum	of All	White Box Scores) =	//

IF Final HMFEI Score is ≥ 20, Then CLASS III PHWH STREAM IF Final HMFEI Score is 7 to 19, Then CLASS II PHWH STREAM THE CLASSIC CAME CA THE CLASSI PHWH STREAM

EVPOOL Stream 1 Sheet 12

1 Fich.

PHWH STREAM BIOLOGICAL CHARACTERISTICS FIELD SHEET:

Voucher Speci Sample Method	mens Retained? (circle) Strea	Y / N Time Spent (minutes): m Length Assessed (meters)
	Number Caught	Notes
····		
	Tash.	
	7 (
Ψ	·	
	Sample Method	Sample Method Strea Number Caught

Voucher Specimens Retained? (circle) Y/N Time Spent (minutes): 30 2. Salamanders: Sample Method VES Stream Length Assessed (meters) 101 (200 ft)

Species (Genus)	# Larvae	# Juveniles/Adults	Total Number
Mountain Dusky (Desmognathus ochrophaeus)			Ø
Northern Dusky (Desmognathus fuscus)			\emptyset
Two-lined (Eurycea bislineata)			φ
Long-tailed (Eurycea longicauda)			Ø
Cave (Eurycea lucifuga)			P
Red (Pseudotriton ruber)	·		Ø
Mud (Psevdotriton montanus)			ϕ
Spring (Gyrinophilus porphyriticus)			Ø
Mole spp. (Ambystoma spp.)			φ
Four-toed (Hemidactylium scutatum)			φ
Other (name)			Ф,
Total			P

Notes on Vertebrates: NONE OBSENVED WIN SUMPLE MUCH

Ephemeral Primary Headwater Habitat Evaluation Form

				HHEI Score	9 (sum of me	trics 1, 2, 3):	
SITE	NAME/LOC	CATION EVER A	WER	UT to UT +	to Duga	n Run	
	<u> </u>		ER STR-B-2 RIVE				
LENG	STH OF ST	REAM REACH (ft) 20	OLAT	LONG. R	RIVER CODE	RIVER MILE _	
DATE	<u> 10/11 </u>	11 SCORER BM	FACKIN BURGOMMENTS	South of L	IRBANA	WOODTICK F	ed
	-		Form - Refer to "Field	_			
STR MO	EAM CHA DIFICATIO	NNEL DNON	ATURAL CHANNEL : !	RECOVERED TRE	COVERING I	RECENTION NO REC	OVERY el. zel pa
1.			of every type of substrate				
TVE		32). Add total number of	ignificant substrate types fo <u>PERCENT</u> TYP		ric score is sum o	f boxes A & B. PERCENT	HHEI Metric
	j Brid	R SLABS [16 pts]		SILT [3 pt]	N. A. Santa and A. San	147.	Points
		JLDER (>256 mm) [16 pts ROCK [16 pt]		J LEAF PACKWOOD J FINE DETRITUS [OY DEBRIS [3 pts	J	Substrate
		BLE (65-256 mm) [12 pts		T CLAY of HARDPAN	10 01	A	Max = 40
□1	GR/	VEL (2-64 mm) [9 pts]	<u>45%</u> 06	MUCK [0 pts]		20%	/<
	J SAN	D (<2 mm) [6 pts]	<u></u>	J ARTIFICIAL [3 pts]		:.:: ———	
	To	otal of Percentages of os, Boulder, Cobble, Bedr	1/1/, (A)			(B)	A+B
SCOF	BIUI SIAI RE OF TWO	MOST PREDOMINATE	SUBSTRATE TYPES:	TOTAL NUMB	ER OF SUBSTRA		
_				- M. L. W O	50		
2.	evaluatio	on. Avoid plunde pools fro	<i>the maximum pool depth</i> t m road culverts or storm wa	er pines) (Check ON/)	Y one box).		Pool Depth Max = 30
	> 30 cent	imeters [20 pts]		> 5 cm - 10 cm [15	5 pts]		
	> 22 5 > 10 + 22	5 cm [25 pts]	A STATE OF THE STA	NO WATER OR M	IOIST CHANNEL	[0.pts]	5
	COMME		4cm over min	wast.	entinely do	Y Jen	
_	·						
3.	BANK F	ULL WIDTH (Measured a	s the average of 3-4 meas	irements) (Che	ck <i>ONLY</i> one bo	x):	Bankfull Width
	> 3,0 m -	4.0 m (> 9'.7" - 13") [25 pts	i de la companya de l	O	pts]	Same The	Max=30
IJ	> 1.5 m -3	3.0 m (> 9' 7",-4' 8") [20 p	(S)			5m	30
	COMME	NTS		AVERAGE E	BANKFULL WIDT		20
			·			·	
	F	RIPARIAN ZONE AND FL		on <u>must</u> also be complet ≩NOTE: River Left (L) and		king downstreams	
		<u>RIPARIAN WIDTH</u>	FLOODPLAIN QUA	ALITY		ang downstream A	
•	L''R	(Per Bank)		edominant per Bank)			
		Wide >10m Moderate 5-10m		orest, Wetland Forest, Shrub or Old	<u> </u>	Conservation Tillage Jrban or Industrial	
			. Field			pen Pasture Row	
•		Narrow <5m		ial, Park, New Field		rop	
		None OMMENTS	☐ ☐ Fenced i	'asture		fining or Construction	
			EF				
		LOW REGIME (At Time o ream Flowing	f Evaluation) (Check ONL)		nel, isolated pools	s, no flow (Intermittent)	•
	□ Sι	bsurface flow with isolate		Dry channel	l, no water (Ephe	meral)	
		OMMENTS DA	y wy exce	pro- of plu-	se po	<i>u</i>	•
		INUOSITY (Number of be one -	nds per 61 m (200 ft) of char 1.0	nnel) (Check ONLY one 2.0	box):	3.0	
	0.6		1.5	2.5	Ø	>3.0 >3	
	STREAM	GRADIENT ESTIMATE		• .			
~	at (0.5 ft/100 f		e Moderate (2 ft/100	fi)	to Severe	Severe (10 ft/100	#N

DOWNSTREAL	MED? - LJYes LJYNo QHE!	Score (If Yes, A	tach Completed QHEI Form)		
1AAA/U Nomo:	M DESIGNATED USE(S)	ougan Run	Distance from Evaluated	Stream	
	V-1		Distance from Evaluated S		
EWH Name:			Distance from Evaluated 9	tream	
MAPPING: AT	ACH COPIES OF MAPS, INCLUI	DING THE <u>ENTIRE</u> WATERSHE	D AREA. CLEARLY MARK TH	SITE LOCATION	
USGS Quadrangle Name	·	NRCS Soil Mag	Page: NRCS Soil Ma	p Stream Order	
County: CHAM	PAIGN	Township / City:			
MISCELLANEO					
Base Flow Conditions? (Y	/N): Date of last precip	pitation:	Quantity:	· 	
Photograph Information: _	7 11 1	- T		·	
Elevated Turbidity? (Y/N):	. /	30%			
	or water chemistry? (Y/N):		and attack associated Lab Niversia		
		•			
Field Measures: Temp	(°C) Dissolved Oxyger	ı (mg/l) pH (S.U.)	Conductivity (µmhos	/cm)	
Is the sampling reach repr	esentative of the stream (Y/N)_	If not, please explain:			
·			· .	·	
Additional comments/desc	ription of pollution impacts:	open pas	twe_	· ·	
BIOTIC EVALU	ATION			·	
Performed? (Y/N):	(If Yes, Record all observati	one Voucher collections ontion	al NOTE: all voucher camples r	ust he labeled with the cite	
renormeur (myr			rimary Headwater Habitat Asses		
Fish Observed? (Y/N)	/ Voucher? (Y/N) Sal ed? (Y/N)/ Voucher? (Y/N)	amapders Observed? (Y/N)	Voucher? (Y/N)		
		. N. Agustia Magrainvariahr			
	1. ~		ates Observed? (Y/N) 📈 Vo	ucher? (Y/N)	
Frogs or Tadpoles Observ Comments Regarding Blo	1. ~	in plunge Pool	ates Observed? (Y/N) N	ucher? (Y/N)	
	1. ~		ates Observed? (Y/N) N	ucner? (Y/N)	
	1. ~		ates Observed? (Y/N)_\(\tilde{\lambda}\) Vo	ucner? (Y/N)	
Comments Regarding Blo	ogy: Green from	in plunge Pool			
Comments Regarding Blo	1. ~	ERIPTION OF STREAM	REACH (This <u>must</u> be	completed):	*.
DRAWING	Ogy: Green from	CRIPTION OF STREAM	REACH (This <u>must</u> be and a narrative description of	completed):	
Comments Regarding Blo	AND NARRATIVE DESC	CRIPTION OF STREAM	REACH (This <u>must</u> be	completed):	
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM	REACH (This <u>must</u> be and a narrative description of	completed):	°.
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM	REACH (This must be and a narrative description of	completed): the stream's location	_
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM Interest for site evaluation of STOCK IN WOOD TO STOCK	REACH (This must be and a narrative description of P.D.	completed): the stream's location 100 / 1	- Poo.
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM Interest for site evaluation of STOCK IN WOOD TO STOCK	REACH (This must be and a narrative description of P.D.	completed): the stream's location	- Pool
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM of Interest for site evaluation at the street of the	REACH (This must be and a narrative description of P.D.	completed): the stream's location 1/0W	roposin p
DRAWING	AND NARRATIVE DESC andmarks and other features o	CRIPTION OF STREAM of Interest for site evaluation at the street for site	REACH (This must be and a narrative description of R.D. Rence (S) College Silt College College	completed): the stream's location 1/0W	roposin p
DRAWING	AND NARRATIVE DESC	CRIPTION OF STREAM of Interest for site evaluation at the street for site	REACH (This must be and a narrative description of Pance	completed): the stream's location	roposin p

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Mod class IT PHWH

One PA Primary Headwater Habitat Evaluation Form

HHEI Score (sum of metrics 1, 2, 3):

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SITE NAME/LOCATION EVPOID UPT to Treach creek	
SITE NUMBER STEW D-2 RIVER BASIN DE LENGTH OF STREAM REACH (ft) LAT. 40.1438 LONG. 8339143 RIVER CODE	RAINAGE AREA (mi²) 0.55 Mi. 2
LENGTH OF STREAM REACH (ft) LAT. 40.1438 LONG. 8339143 RIVER CODE_	RIVER MILE
DATE 12-13-11 SCORER BHF /1 COMMENTS	
NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHI	WH Streams" for Instructions
STREAM CHANNEL IN NONE / NATURAL CHANNEL DRECOVERED PRECOVERING (MODIFICATIONS:	ruratirakan katarakan kalinakan katalakan kalinda katarakan katarakan kalinakan katarakan katarakan katarakan k
SUBSTRATE (Estimate percent of every type of substrate present. Check ONLY two predominant	substrate TYPE boxes
(Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum TYPE PERCENT TYPE	PERCENT I WETFIC
BLDR SLABS [16 pts] SILT [3 pt]	Points
BOULDER (>256 mm) [16 pts]	Substrate
CLAY or HARDPAN [0-pt]	80 Max = 40
☐ GRAVEL (2-64 mm) [9 pts]	— II 4 I
	(B) I
Total of Percentages of (A) Bldr Slabs, Boulder, Cobble, Bedrock O	(B) // A+B
SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES: TOTAL NUMBER OF SUBSTRATE	TRATE TYPES:
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 ft) evaluation in	reach at the time of Pool Depth Max = 30
evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): Signature Signa	max = 50
□ > 22.5 ± 30 cm [30 pts] □ < 5 cm [5 pts]	EL [0 pts] 2.5
5.1. 4811	20
COMMENTS INFORMATION OF THE PROPERTY OF THE PR	
3. BANK FULL WIDTH (Measured as the average of 3-4 measurements) (Check ONLY one >4.0 meters (>13) [30 pts] >1.0 m .7.5 m (>3.3°.4 8°) [15	
□ > 3,0 m, >4,0 m (> 9 7" -13) [25 pts] □ ≤ 1.0 m (≤ 3" 3") [5 pts]	
図 (×1.5 前 ×3.0 前 (×9.7 * 4.8*) [20 pis] (************************************	2.11 20
COMMENTS / / X AVERAGE BANKFULL W	IDTH (meters)
This information <u>must</u> also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY 公NOTE: River Left (L) and Right (R) as	looking downstream☆
RIPARIAN WIDTH FLOODPLAIN QUALITY L R (Per Bank) L R (Most Predominant per Bank) L R	
Mide >10m Mature Forest, Wetland Mature Forest Shruh or Old	Conservation Tillage
Moderate 5-10m Immature Forest, Shrub or Old Field	Urban or Industrial
☐ Ø Narrow <5m ☐ ☐ Residential, Park, New Field ☐ ☐	Open Pasture, Row Crop
☐ None ☐ ☐ Fenced Pasture ☐.☐ COMMENTS	Mining or Construction
	pools, no flow (Intermittent)
Subsurface flow with isolated pools (Interstitial) Dry channel, no water (E	Ephemeral)
SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): One One 1.0 2.0	3.0
2 0.5	」 >3
STREAM GRADIENT ESTIMATE Flat (0.5 ft/100 ft)	Severe (10 ft/100 ft)
Flat (0.5 ft/100 ft)	

STREAM D-2

QHEI PERFORMED? - Yes Yo QHEI Score(If Yes, Attach Completed QHEI Form) DOWNSTREAM DESIGNATED USE(S) WWH Name: Distance from Evaluated Stream	
WWH Name: Distance from Evaluated Stream	
CWH Name: Distance from Evaluated Stream	_
EWH Name: Distance from Evaluated Stream	
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION	
SGS Quadrangle Name: NRCS Soil Map Page: NRCS Soil Map Stream Order	
ounty: Township / City:	<u>. u </u>
MISCELLANEOUS	
se Flow Conditions? (Y/N):	
otograph Information:	
evated Turbidity? (Y/N): Canopy (% open):2	
ere samples collected for water chemistry? (Y/N): (Note lab sample no. or id. and attach results) Lab Number:	
eld Measures: Temp (°C) <u>32</u> Dissolved Oxygen (mg/l) pH (S.U.) Conductivity (μmhos/cm)	<u> </u>
the sampling reach representative of the stream (Y/N) If not, please explain:	
ditional comments/description of pollution impacts:	
BIOTIC EVALUATION erformed? (Y/N): (If Yes, Record all observations. Voucher collections optional. NOTE: all voucher samples must be labeled with the primary Headwater Habitat Assessment Manual)	he site
sh Observed? (Y/N) Voucher? (Y/N) Salamanders Observed? (Y/N) Voucher? (Y/N) Vouc	
imments Regarding Biology: None Noted - stream usually bry, Grass	
growing throughout channel	
DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):	
Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location	on d
Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location and a narrative description	سيمي
Forest arundinale Great Sill Eleasion	
SIF EROSTON	
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1 1 5 5 6	
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the ex claysad halaran	zimi
Forest Clay clay/sad conygram Sand	New york and the second

Stram E

Chief PA Primary Headwater Habitat Evaluation Form

HHEI Score (sum of metrics 1, 2, 3):

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21/1	01	·
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SITE NAME/LOCATION EVPOOL Sheet	3	17		
SITE NUMBER 1+11	E1-6 RIVER BASIN	DRAINAGE AREA (mi²) = 2,7		
LENGTH OF STREAM REACH (ft) 200 LA DATE 11 2 0 0 8 SCORER 5 M H K (AILONGRIVER	RIVER MILE		
NOTE: Complete All Items On This Form -				
STREAM CHANNEL LJ NONE / NATUR MODIFICATIONS:	RAL CHANNEL TRECOVERED TRECOV	PERING ID RECENT OR NO RECOVERY		
WODIFICATIONS.				
(Max of 32). Add total number of significant	type of substrate present. Check ONLY two presubstrate types found (Max of 8). Final metric so	core is sum of boxes A & B.		
BLDR SLABS [16 pts]	CENT TYPE SILT [3 pt]	Points		
☐ ☐ BOULDER (>256 mm) [16 pts]	LEAF PACKWOODY D	Substrate		
COBBLE (65-256 mm) [12 pts]	CLAY or HARDPAN [0	Max = 40		
	0 MUCK [0 pts] 0 ARTIFICIAL [3 pts]			
SAND (12 min) to play				
Total of Percentages of Bidr Slabs, Boulder, Cobble, Bedrock SCORE OF TWO MOST PREDOMINATE SUBSTRA	(A) ATE TYPES: TOTAL NUMBER ((B) 2 A+B OF SUBSTRATE TYPES:		
2. Maximum Pool Depth (Measure the maxi	imum pool depth within the 61 meter (200 ft) e	valuation reach at the time of Pool Depth		
evaluation. Avoid plunge pools from road cu	ulverts or storm water pipes) (Check ONLY on	e box): Max = 30		
> 30 centimeters [20 pts] > 22.5 - 30 cm [30 pts]	> 5 cm - 10 cm [15 pts < 5 cm [5 pts]			
> 10 - 22.5 cm [25 pts]	NO WATER OR MOIS	T CHANNEL [0 pts]		
COMMENTS	MAXIMUM POC	L DEPTH (centimeters):		
3. BANK FULL WIDTH (Measured as the ave	3. BANK FULL WIDTH (Measured as the average of 3-4 measurements) (Check ONLY one box): Bankfull			
> 4.0 meters (> 13') [30 pts] > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts]	☐ > 1.0 m - 1.5 m (> 3' 3" ☐ ≤ 1.0 m (≤ 3' 3") [5 pts			
> 1.5 m - 3.0 m (> 9' 7" - 4' 8") [20 pts]		2,5 20		
COMMENTS	AVERAGE BAN	KFULL WIDTH (meters)		
RIPARIAN ZONE AND FLOODPLA RIPARIAN WIDTH	This information <u>must</u> also be completed AIN QUALITY ☆NOTE: River Left (L) and Ri FLOODPLAIN QUALITY	ght (R) as looking downstream☆		
LR (Per Bank) Wide >10m	L R (Most Predominant per Bank) Mature Forest, Wetland	L R Conservation Tillage		
· · · · · · · · · · · · · · · ·	Immature Forest, Shrub or Old	Urban or Industrial		
	Field	Open Pasture, Row		
>=n >=r(Residential, Park, New Field Fenced Pasture	Crop Mining or Construction		
None COMMENTS	☐☐☐ Fenced Pasture	Ivining of Construction		
FLOW REGIME (At Time of Evalual Stream Flowing Subsurface flow with isolated pools (COMMENTS	Moist Channel	, isolated pools, no flow (Intermittent) o water (Ephemeral)		
	61 m (200 ft) of channel) (Check ONLY one bo	x):		
Ø None □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	1.0	□ 3.0 □ >3		
STREAM GRADIENT ESTIMATE	Lar 601V			
	☐ Moderate (2 ft/100 ft) ☐ Moderate to S	Severe (10 ft/100 ft)		
		······································		

ADDITIONAL STREAM INFORMATION (This Information Must Also be Completed):
QHEI PERFORMED? - Yes No QHEI Score(If Yes, Attach Completed QHEI Form)
DOWNSTREAM DESIGNATED USE(S) Distance from Evaluated Stream
Distance from Evaluated Stream Distance from Evaluated Stream
CWH Name: Distance from Evaluated Stream
Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION
USGS Quadrangle Name: NRCS Soil Map Page: NRCS Soil Map Stream Order
County: Champaign Township / City:
MISCELLANEOUS ;
Base Flow Conditions? (Y/N): Date of last precipitation: 11/19/08 Quantity:
Photograph Information: 145 Elevated Turbidity? (Y/N): Canopy (% open): 911.9550
Were samples collected for water chemistry? (Y/N): (Note lab sample no. or id. and attach results) Lab Number:
Field Measures: Temp (°C) Dissolved Oxygen (mg/l) pH (S.U.) Conductivity (µmhos/cm)
Is the sampling reach representative of the stream (Y/N) If πot, please explain:
Additional comments/description of pollution impacts:
BIOTIC EVALUATION
Performed? (Y/N): (If Yes, Record all observations. Voucher collections optional. NOTE: all voucher samples must be labeled with the site ID number. Include appropriate field data sheets from the Primary Headwater Habitat Assessment Manual)
Fish Observed? (Y/N) Voucher? (Y/N) Salamanders Observed? (Y/N) Voucher? (Y/N) Frogs or Tadpoles Observed? (Y/N) Voucher? (Y/N) Aquatic Macroinvertebrates Observed? (Y/N) Voucher? (Y/N)
Comments Regarding Biology: - Stream any at time of evaluation
- 311(0)r) GIA ST FINIE CI (UVIANTION
DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):
Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location 19-9-10-10-10-10-10-10-10-10-10-10-10-10-10-
7.79
Vegephed Ag Sield
banks

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Case No(s). 13-0360-EL-BGA

Summary: Application Appendix C - Surface Water Report (191-234) electronically filed by Mr. Michael J. Settineri on behalf of Buckeye Wind LLC