## Large Filing Separator Sheet

Case Number: 07-171-EL-BTX

File Date: 9/28/07

Section: 3 of 5

Number of Pages:

201

Description of Document:

Application for certificate

Volume 2

Upland point for wetland 2395 Pr-WO9 6 UPL

Project / Site: Middlefry Applicant / Owner: First Forrage Investigator: Vol., LB	County: 5 ca	<u> ७६५                                    </u>
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situation in the site of	Yes X No Community ID On)? Yes No X Transect ID: Yes No X Plot ID:	
VEGETATION	Young Upland F	evest
Dominant Plant Species  1. Act rubyum  2. Pruhus strating  3. Nussa suluthea  4. Mighthemum canadam  5.  6.  7.  8.  Percent of Dominant Species that are OBL, FACW  Remarks:	9. 10. 11. 12. 13. 14. 15. 16.  or FAC excluding FAC-). 50%	
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observations:  Depth of Surface Water:	Wetland Hydrology Indicators  Primary Indicators:	er 12"

Map Unit Name (Series and Phase):	Name nd Phase):			Drainage Class:	
Taxonomy (Subgroup):			Confirm Mapped Type? Yes No		
Profile Description: Depth (inches) Horizon 6-2 02 2-4 A	Matrix Colors (Munsell Moist) 1048 512 1648 32 rock/ro	Organi		Texture, Concretions, Structure, etc.  Sity lan	
Reducing	ipedon	High ( Organ Listed	edons Organic Content in Su ic Streaking in Sandy On Local Hydric Soil on National Hydric S (Explain in Remarks)	s List oils List	
Remarks:	No. on one				
WETLAND DETE	RMINATION				
Hydrophytic Vegetat Wetland Hydrology F Hydric Solls Present	resent? Yo	es No C	ls the Sampling Within a Wetlan	g Point nd? Yes No	
Remarks;					

pr-W097 Welland 239Cc

Project / Site: Middle field Applicant / Owner: First Engrey Investigator: ML LB		Date: 5/11/0) County: Geavsa State: 0(4
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situation is the area a potential problem area? (explain on reverse if needed)	Yes <u> X</u> Na On)? Yes No <u>x</u> Yes No <u>X</u>	Community ID: PEM Transect ID: Plot ID:
VEGETATION		
Dominant Plant Species  1. Type angosfitch Herb OBL 2. Carry # 1 Herb 3. Unknown mustared Herb FACU+ 5. Carex # 2 Herb FACU+ 7. 8.  Percent of Dominant Species that are OBL FACW Remarks:	Dominant Plant Species  9	
HYDROLOGY		· · · · · · · · · · · · · · · · · · ·
Recorded Data (Describe In Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water:  Depth to Free Water in Pit:  Depth to Saturated Soil:	Secondary Indicator  Oxidized Roc Water-Staine Local Soil Su FAC-Neutral	Ipper 12"  posits terns in Wetlands S: pls Channels in Upper 12" d Leaves irvey Data
Remarks:		

Map Unit Name (Series and Phase):			Drainage Class	:	
Taxonomy (Subgro	Taxonomy (Subgroup):			Confirm Mapped Type? Yes No	
Profile Description: Depth [inches] Horizon  (-( A	Matrix Colors (Munsell Moist) IGYIR 2/1	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc. Siff Stiff; 344d	
Reducing	<del>l</del> pedon	High Orga Liste	retions Organic Content in Su nic Streaking in Sandy d On Local Hydric Soil d on National Hydric S (Explain in Remarks)	s List	
Remarks:					
WETLAND DETE		<del></del>			
Hydrophytic Vegeta Wetland Hydrology Hydric Soils Presen	Present? Y	es No es No	is the Sampling Within a Wettar		
Remarks:					

# DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Determination Manual)

Project / Site: Middle field Applicant / Owner: First Energy Investigator: ML. LB		Date: S///07 County: Geausa State: OH
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situati is the area a potential problem area? (explain on reverse if needed)	Yes_X No On}? Yes No_X Yes No_Y.	Community ID: Transect ID: Plot ID:
VEGETATION		Upland Fovet
Dominant Plant Species  1. Fagus grand of lova 2. Fagus grand of lova 3. Ministration condende shock UML 4. Hamamely, Hiraman shock FACU 5. 6. 7. 8.  Percent of Dominant Species that are OBL, FACW Remarks:	9	
HYDROLOGY		
Recorded Data (Describe In Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water: Vore (in.)  Depth to Free Water in Pit: how (in.)	Secondary Indicator Oxidized Roc Water-Staine Local Soll Su FAC-Neutral	pper 12"  posits iterns in Wetlands  s: ots Channels in Upper 12" d Leaves irvey Data
Remarks:	<u> </u>	

SOILS

Map Unit Name (Series and Phase): Drainage Class:			***************************************	
Taxonomy (Subgroup):		Confirm Mapped Type? Yes No		
Profile Description: Depth (inches  Horizon C-3 C2   UYR 2/ 3-7 A   6 YR S  7-124 B 10 YR C :	1 <u>648416</u>		Ovganic luch loam Sandy silt	
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma C	Orgal Liste Liste		s List oils List	
WETLAND DETERMINATION				
Hydrophytic Vegetation Present? Wetland Hydrology Present? Hydric Soils Present?	Yes No L Yes No V Yes No V	Is the Sampling Within a Wetla		
Remarks:				

# DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Determination Manual)

Project / Site: Middle Field Applicant / Owner: First Energy Investigator: ML, LB		Date: 5 11 07 County: 5 ca v sq State: 0H
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situation is the area a potential problem area? (explain on reverse if needed)	Yes X No	Community ID: PFM Transect ID: Plot ID:
VEGETATION		
Dominant Plant Species  1. Juncus effusus Hrib FACUI 2. Schrpus Cyperinus Hrib FACUI 3. 4. 5. 6. 7. 8. Percent of Dominant Species that are OBL, FACWI Remarks:	9. 10. 11. 12. 13. 14. 15. 16. 7 or FAC excluding FAC-).	
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observations:  Depth of Surface Water:	Secondary Indicator  Oxidized Roo  Water-Staine Local Soil Su FAC-Neutral	pper 12" posits terns in Wetlands s: ts Channels in Upper 12" d Leaves rvey Data

SOILS

lap Unit Name Series and Phase):				<u> </u>
Taxonomy (Subgroup):			Confirm Mapped Type? Yes No	
Profile Description: Depth Inches) Horizon O-9 A 9-12+ B	104R 3/2	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.  100 m  100 m
ydric Soil Indicato Histosol Histic Ep	oipedon			irface Layer in Sandy Soils
Aquic M Reducin	odsture Regime g Conditions or Low-Chroma Colo	Liste	d On Local Hydric Soil d on National Hydric S r (Explain in Remarks)	s List oils List
	DRAIN A TION			
VETLAND DETE	RIVINATION			
VETLAND DETE lydrophytic Vegeta Vetland Hydrology lydric Soils Presen	tion Present? \\ Present? \	es No	Within a Wetla	

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Upland site for 241
Pr-12098 UPL

Project / Site: Middle Field Applicant / Owner: First Energy Investigator: ML. LD		Date: 5/11/07 County: Geogge State: 04
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situation is the area a potential problem area? (explain on reverse if needed)	YesNo	Community ID: Transect ID: Plot ID:
VEGETATION	υp	land second growth Cokferd
Dominant Plant Species Stratum Indicator  1. Everthyomium americanin Herb UPL  2. Observed rubbra Trev FACU  3. Padraphyllum peltatum Herb FACO  4. Premis Sentina Tree FACU  5. 6. 7. 8.  Percent of Dominant Species that are OBL, FACW  Remarks:	Dominant Plant Species  9	
HYDROLOGY		
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water:  Depth to Free Water in Pit:  Depth to Saturated Soil:  Depth to Saturated Soil:	Secondary Indicators Oxidized Roo Water-Stainer Local Soil Su FAC-Neutral	pper 12"  cosits terns in Wetlands  s: ts Channels in Upper 12" d Leaves rvey Data
Remarks:		

Map Unit Name (Series and Phase):_			Drainage Class:		
Taxonomy (Subgrou	Taxonomy (Subgroup):			Confirm Mapped Type? Yes No	
(inches) Horizon  (2-1) A		Mottle Colors (Munsell Moist)  ///YR4/Y		Texture, Concretions, Structure, etc.  Organic loam  Loam  Loamy clas.	
Hydric Soil Indicators	nedon dor sture Regime	Concr High C Organ Listed Listed		s List	
WETLAND DETER  Hydrophytic Vegetati Wetland Hydrology P Hydric Solls Present?	on Present? Ye	es No es No	Is the Sampling Within a Wetlan		
Remarks:					

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Wetland 242 Pr-WOTE

Project / Site: Middle field Applicant / Owner: First Star Investigator: ML 4D		Date: <u>S///</u> クラ County: <u>Grausa</u> State: <u>O</u> 丼
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situati Is the area a potential problem area? (explain on reverse if needed)	Yes No on)? Yes No Yes No	Community ID: PEM/PR Transect ID: Plot ID:
VEGETATION		
Dominant Plant Species  1. Impatient Capensis Herb FACW 2. Toxico dendron rodicon Herb FAC 3. Carpinis Carolinicing Tire FAC 4. Each bueur Canadenes Shrit FACW 5. Cardamine douglassis Herb FACW 6. 7. 8.  Percent of Dominant Species that are OBL, FACW Remarks:	9	
HYDROLOGY		
Recorded Data (Describe In Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water:  Depth to Free Water in Pit:  Depth to Saturated Soil:	Secondary Indicator Oxidized Roc Water-Staine Local Soil St FAC-Neutral	pper 12"  posits terns in Wetiands s: ots Channels in Upper 12" d Leaves irvey Data
Remarks:		

(Series and	ame   Phase):_	<del></del>		Drainage Class:	
Taxonomy (Subgroup):				Confirm Mapped Type? Yes No	
Profile Descrip Depth (Inches) b	ption: Horizon	Matrix Colors (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
	<del></del>				
lydric Soll	Indicator	s:			
	Reducing	ipedon Odor Isture Regime I Conditions I Low-Chroma Co	High Orga Liste	cretions Organic Content in Su nic Streaking in Sandy d On Local Hydric Soil d on National Hydric S r (Explain in Remarks)	s Liet oils List
Remarks:					
	) DETE	RMINATION			
VETLANI	c Vegetat	ion Present? Present?	Yes / No _ Yes / No _ No	is the Sampling Within a Wetlar	
WETLANI	c Vegetat	ion Present? Present?	Yes _ No	Is the Sampling Within a Wetlar	

Upland poind for wetlanday

Dr-WOAQ UPL

Project / Site: Middle Field Applicant / Owner: First Star Investigator: Mb, LB	County: S	enusa
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical situation is the area a potential problem area? (explain on reverse if needed)	YesNo Plot ID:	
VEGETATION	Upland Second	growth Mesti Hardun
Dominant Plant Species Stratum Indicator  1. Fagus grand florer Tree FACU  2. Living endren tulpifer Tree FACU  3. Prunus secuting Tree FACU  4. Fruit ranium american Herb Oph  5. Fods phylem petatum Herb FACU  6.  7.  8.  Percent of Dominant Species that are OBL, FACW  Remarks:	Dominant Plant Species   Stratum	
Recorded Data (Describe In Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available Field Observations: Depth of Surface Water: Depth to Free Water in Pit: how (in.) Depth to Saturated Soil:	Wetland Hydrology Indicators  Primary Indicators:	
Remarks:		

			Drainage Class	
Faxonomy (Subgr	oup):		Confirm Mappe	d Type? Yes No
Profile Description: Depth (Inches) Horizon (Munsell Moist)  O O2 (OVR 3)2  I-7 A (OVR 4/3)  Yoots		Mottle Colors (Munsell Moist)	Mottie Abundance/Contrast	Texture, Concretions, Structure, etc.  O YGANIC  (U) Am Clay
Reduci	ol Epipedon	High Orga Liste	retions Organic Content in Su nic Streaking in Sandy d On Local Hydric Soll d on National Hydric S r (Explain in Remarks)	s List oils List
WETLAND DET lydrophytic Veget Vetland Hydrology	ation Present? Y	es No es No	Is the Sampling Within a Wetla	

Wetland 243 pr-w100

Project/Site: Middlefield Applicant/Owner: First Stor Investigator: LM, LB		Date: 5/11/07 County: Geausa State: OH
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situat Is the area a potential Problem Area? (If needed, explain on reverse.)	(ion)? Yes (io Yes (io	Community ID: PEM Transect ID: Plot ID:
/EGETATION		
Dominant Plant Species  1. On roles Sensibility Helb FACU  2. Juneus effusus Helb FACU+  3. Helb FACU+  5. Helb FACU+  8. Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).  Remarks:	9	Stratum indicator
TYDROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available  Field Observations:  Depth of Surface Water:  Depth to Free Water in Pit:  Depth to Saturated Soil:  Remarks:	Water Mar Drift Lines Sediment I Drainage F Secondary Indicators Oxidized R Water-Stai Local Soil FAC-Neutr	in Upper 12 Inches ks Deposits latterns in Wetlands t (2 or more required): loot Channels in Upper 12 Inches ined Leaves Survey Data

S	0	I	S

Profile Desc	(Subgroup):				Drainage ( Field Obsi Confirm	
0-2 2-14	Horizon A B	Matrix Color (Munsell Mai 107RS)	ist) (Mu	tle Colors neal Moist ) YR SIC S YR Y/Y	Mottle Abundance/Contrast  Commu	Texture, Concretions, Structure, etc. Sith Clay Clay
_	Reducing				tigh Organic Content in Si Organic Streaking in Sendi isted on Local Hydric Soil isted on National Hydric S Other (Explain in Romarks)	e List Soile List
ETLAND Hydraphytic Wetland Hy	Vegetatio	n Present?	Vac No Ven No	(Circle)		(Circle)
Hydric Solle	Present?		No No		e this Sampling Point With	hin a Wetland? (Yes) No

Approved by HQUSACE 3/82

Upland site for without 29 pr-WICO UPL

### DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: Middle Frdd  Applicant/Owner: First Star  Investigator: M.L. I.B.		Date: SIIIO7 County: Geauge State: OH
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area? (If needed, explain on reverse.)	tion)? Yes (1)0	Community ID: Old Field Transect ID: Plot ID:
VEGETATION		
Dominant Plant Species  1. Rumex or biculatus Herb FACU  2. Phalaris arundinasis Herb FACU  3. Carex sp. Harb TACU  4. Impations capensis Herb FACU  5.  6.  7.  8.  Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).  Remarks:	9. 10. 11. 12. 13, 14.	Stratum Indicator
Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerist PhotographsOtherNo Recorded Data Available  Field Observations:  Depth of Surface Water:(in.)  Depth to Free Water in Pit:(in.)  Depth to Saturated Soil:(in.)	Water Mas Drift Lines Sedimant I Drainage P Secondary Indicators Oxidized R Water-Stai	in Upper 12 Inches iks Deposits Estterns in Wetlands Is (2 or more required): Icot Chennels in Upper 12 Inches Ined Lesves

Brown B

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	v	

Map Unit Name (Series and Phase); Drainage Class; Field Observations Taxonomy (Subgroup): Confirm Mapped Type? Yes No						
Profile Dee Depth (Inches)	·····	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions,	
Hydric Sail	_ Histosol _ Histic Epi _ Sulfidic O _ Aquic Mo _ Reducing			Concretions High Organic Content in Organic Streaking in Sen Usted on Local Hydric Sc Listed on National Hydric Other (Explain in Remark	ils List : Soils List	
Hydrophyd Wetland Hy	DETERMI c Vegetation ydrology Pres s Present?	Present? (es	No.: (Circle)	is this Sempling Point W	(Circle) ithin a Wetland? Yes No	
Remarks:				<u></u>		

Approved by HQUSAGE 3/92

Project/Site: First Energy Middle field 13 Applicant/Owner: Investigator: Kooses / Thomages	38.kv	Date: 24 May 07 County: Greaves State: OH	
Do Normal Circumstances Exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No	Community ID : <u>PFO</u> Transect ID: Plot ID: 3k-0529-1	
VEGETATION pics 1-3			
Dominant Plant Species Stratum Indicator  1. Acer rubrum T FAC  2. Juncus effesus H FACW+	Dominant Plant Specie 9		
3. Vibrinum dentation S FAC 4. Carex stipata H OBL 5. Carex sp. H FAC	11 12 13		
8 Rhamnus frangule 5 FAC	14 15		
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).	100%		
Remarks: Depressional areas worthin an	even-aged Ken	Maple Stand.	
HYDROLOGY			
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Water Ma Drift Lines	d 1 in Upper 12 Inches arks s	
Field Observations:  Depth of Surface Water:(in.)  Depth to Free Water in Pit:(in.)  Depth to Saturated Soil:(in.)	Drift LinesSediment DepositsDrainage Patterns in Wetlands Secondary Indicators (2 or more required):Oxidized Root Channels in Upper 12"Water-Stained LeavesLocal Soil Survey DataFAC-Neutral Test Other (Explain in Remarks)		
Remarks:			

#### SOILS

	d Phase):			Field	age Class: Observations infirm Mapped Type?	Yes No
Profile De Depth (inches)	scription: Horizon A/B	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist) /DYR 6/8	Mottle Abundance/Contrast convion felistivit	Texture, Concretions, Structure, etc.	
	Indicators:  _ Histosol _ Histic Epiped _ Sulfidic Odor Aquic Moistu < Reducing Co < Gleyed or Lo	re Regime		Concretions High Organic Content in Organic Streaking in Sar Listed on Local Hydric S Listed on National Hydric Other (Explain in Remar	ndy Soils oils List : Soils List	Soils

#### **WETLAND DETERMINATION**

Hydrophytic Vegetation Present? (PS No (Circle) Wetland Hydrology Present? No No Hydric Soils Present? No	(Circle) Is this Sampling Point Within a Wetland? (Yes) No
Remarks: PFV	/
pics 1-3	

Project/Site: First Energy Micklefield Applicant/Owner: Investigator: Looser / Thomasyst	1 138 kv	Date: 24 May 07 County: Ccauss State: 04
Do Normal Circumstances Exist on the site? Is the site significantly disturbed (Alypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No	Community ID : Transect ID: Plot ID:
vegetation pic 6		
Dominant Plant Species  1. Accr rubrum  2. Lindern benzoin  3. Fagus grandifolia,  4. Brunus serotina,  5. FACU  5. Fraxinus pemsylvanica,  7. FACU  6	600%	
HYDROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available  Field Observations:  Depth of Surface Water:(in.)  Depth to Free Water in Pit:(in.)  Remarks:	Water M. Drift Line Sedimen Dralnage Secondary Indicate Oxidized Water-St Local So FAC-Ne.	s: ted ed in Upper 12 Inches Merks

#### **SOILS**

Map Unit Name (Series and Phase): Taxonomy (Subgroup):		Field Obser	
1	Moist) (Munsell Moist)   2:5/		ure, Concretions, cture, etc.
Hydric Soil Indicators:	- - -	Concretions High Organic Content in Surfa Organic Streaking in Sandy So Listed on Local Hydric Soils Lis Listed on National Hydric Soils Other (Explain in Remarks)	oils St
WETLAND DETERMINATION		4.4.4.	

Hydrophytic Vegetalion Present? No (Circle) Wetland Hydrology Present? Yes No Hydric Soils Present? Yes	Is this Sampling Point Within a Wetland?	(Circle) Yes <b>⊘</b>
Remarks: Upland point		
pic 6		

## DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: Geauge Co , Applicant/Owner: ATS, Investigator: M. Thomassey & 13. Croxus	Date: 5/2/07 County: (
Do Normal Circumstances Exist on the site?  Is the site significantly disturbed (Atypical Situation)?  Is the area a potential Problem Area?  (If needed, explain on reverse.)	Community ID: PEM Transect ID: — Plot ID: w+w-5 8/3

#### **VEGETATION**

Dominant Plant Species Stratum Indicator	Dominant Plant Species	Stratum Indicator
1. Phalaris arundinacea H FACU+ 2. Impatiens capensis H FACU 3. Acer rubrum H FAC 4. 5. 6. 7.	9. 10. 11. 12. 13. 14.	
8	16	
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).	66%	
Remarks:		

#### HYDROLOGY

Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Wetland hydrology Indicators: Primary Indicators: Inundated  Saturated in Upper 12 Inches  Water Marks Drift Lines
Field Observations:  Depth of Surface Water: \( \lambda / \sigma - \lambda \) (in.)  Depth to Free Water in Pit: \( \frac{\lambda / \sigma - \lambda \) (in.)	Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): X Oxidized Root Channels in Upper 12" Water-Stained Leaves Local Soil Survey Data
Depth to Saturated Soil: Af Surface(in.)	X FAC-Neutral Test Other (Explain in Remarks)
Remarks:	

#### SOILS

·	d Phase):		 Field	age Class: Observations onfirm Mapped Type? Yes No
Profile Depth (inches)	Secription: Horizon A B BEDRO	Geyl 5564	Mottle Abundance/Contrast  Few/five	Texture, Concretions, Structure. etc.  Sandy silt  Silty Iclay
- - -	Il Indicators:  _ Histosol _ Histic Epipee _ Sulfidic Odo _ Aquic Moisto _ Reducing Co _ Gleyed or Lo	r ure Regime	 Concretions ligh Organic Content in Organic Streaking in Sal Isted on Local Hydric S Isted on National Hydri Other (Explain in Reman	iolis List c Soils List

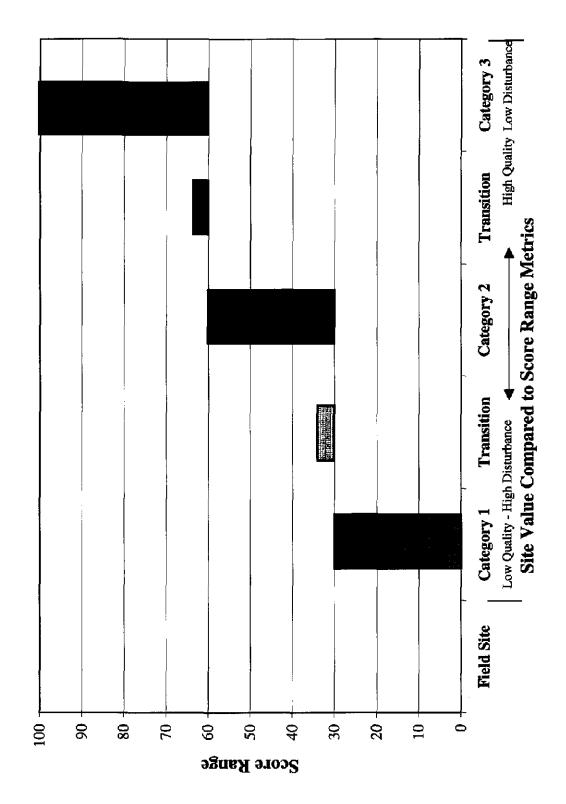
#### **WETLAND DETERMINATION**

Hydrophytic Vegetation Present? (Pes No (Circle) Wetland Hydrology Present? (Pes No Hydric Soils Present? (Pes No No	(Circle) Is this Sampling Point Within a Wetland? (Ves) No
Remarks: Wetland is old streamber Area previously logged	

#### APPENDIX B

OHIO EPA OHIO RAPID ASSESSMENT METHOD (ORAM) FOR WETLANDS V5.0 FORMS AND GRAPH

Ohio Rapid Assessment Method



Site:	R.BWOOI	Rater(s):	Repash	Date: 6-76
max 6 pts subs	Metric 1. Wetlan  Selectione size class and assign so  >50 acres (>20 2ha) (6 pts  25 to <50 acres (10 t to <  10 to <25 acres (4 to <10  3 to <10 acres (1 2 to <4h  0 3 to <3 acres (0 12 to <1  0 1 to <0 3 acres (0 12 to <1  0 1 acres (0 04 to )  > <0 1 acres (0 04ha) (0 pts)	ore 5) 20 2ha} (5 pts) 1ha) (4 pts) a) (3 pts) 2ha) (2pts) <0 12ha) (1 pt)	).	
max 14 pts subto	Metric 2. Upland  WDE Buffers average 5:  WEDE Buffers average 5:  WEDE Buffers average 5:  WEDE Buffers average 5:  WERY NARROW Buffers average  VERY NARROW Buffers average  VERY LOW 2nd growth 0:  LOW Old field (>10 years  MODERATELY HIGH. Re	Select only one and assism (164ft) or more around a 25m to <50m (82 to <16 to <16 to <10 to <25m (32ft to < 30 to <16 to <16 to <10 to <25m (32ft to < 30 to <16 to	gn score Do not double check by wetland perimeter (7) (4tt) around wetland perimeter (4) (82tt) around wetland perimeter (1) bund wetland perimeter (0) check and average. (annah, wildlife area, etc. (7)	)
7 8 max 30 pts subto	Metric 3. Hydrolo  Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfate water (late of the seasonal surface of t	ice water (3) ike or stream) (5) inly one and assign score it (2)	Part of wetland Part of inparian 3d. Duration inundation/ Semi- to perma Regularly inund Seasonally inund Seasonally sati double check and average.  es observed  point source (in- filling/grading road bed/RR tri dredging	olain (1) mylake and other human use (1) dupland (e.g. forest), complex (1) or upland corridor (1) /saturation. Score one or dbl check. enently inundated/saturated (4) dated/saturated (3) ndated (2) urated in upper 30cm (12in) (1) onstormwater)
max 20 pts subto	Aa. Substrate disturbance. Score or None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Ab Habitat development. Select onl Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) Ac. Habitat alteration. Score one or None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	ne or double check and a	e. es observed shrub/sapling reherbaceous/aqu sedimentation dredging	emoval uatic bed removal

Site: 1 Bwov)	Rater(s):	Date: 16-76-0
Subtotal this page		
Metric 5. Special	Wetlands.	
max 10 pts subtotal Check all that apply and score as indic		
Bog (10)		
Fen (10)		
Old growth forest (10)		
Mature forested wetland (5)	and a contract of the contract of	
Lake Erie coastal/tributary w Lake Erie coastal/tributary w		
Lake Plain Sand Prairies (Oa		<b>5</b> ,
Relict Wet Praires (10)	• • • •	
Known occurrence state/fede	•	• • • •
Significant migratory songbir		
Category 1 Welland See Qu	vestion 1 Qualitative Rating	(-10)
Metric 6. Plant co	mmunities, ir	nterspersion, microtopography.
max 26 pts subtoint 6a Wetland Vegetation Communities	Vegetation Comm	
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
Emergent		vegetation and is of moderate quality, or comprises a
7) Shrub Forest		significant part but is of low quality
Mudflats	2	Present and either comprises significant part of wetland's 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
6b. horizontal (plan view) Interspersion	1,	vegetation and is of high quality
Selectionly one.	Marian Barra	4344-V OV4.
High (5) Moderately high(4)	Narrative Descripti	Low spp diversity and/or predominance of nonnative or
Moderate (3)		disturbance tolerant native species
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
6c. Coverage of invasive plants. Refe to Table 1 ORAM long form for list. Ad		moderately high, but generallyw/o presence of rare threatened or endangered spp
or deduct points for coverage	high	A predominance of native species, with nonnative spp
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) Nearly absent <5% cover (0) Absent (1)		the presence of rare, threatened, or endangered spp
Absent (1)	Mudflat and Onen	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 2.47 acres)
Vegetated hummucks/tussuc		Moderate 1 to <4/ra (2.47 to 9.88 acres)
Coarse woody debris >15cm Standing dead >25cm (10in)	· · · · · · · · · · · · · · · · · · ·	High 4ha (9.88 acres) or more
Amphibian breeding pools	Microtopography (	over Scale
——————————————————————————————————————	0	Absent
	1	Present very small amounts or if more common
	<u></u>	of marginal quality
s.4	2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
(* ·	3	Present in moderate or greater amounts
<u> </u>		and of highest quality
GRAND TOTAL(max 100 pts)	<del></del>	

Site: Front	Erris, RBW002	Rater(s): S R SIRALI	Syene Date: 4/26/01
2 2	Metric 1. Wetla	nd Area (size).	•
max 6 pts subto	<del></del>	• •	
	>50 acres (>20 2ha) (6	• •	
	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 to		
	0 1 to <0 3 acres (0 04 <0 1 acres (0 04ha) (0		
		μις,	
<u>3   S</u>	<del></del>	d buffers and surroundi	-
max 14 pts subto	h-m	th Select only one and assign score. Do not double	e check.
	<b>—</b>	e 50m (164fl) or more around wetland perimeter (7) rage 25m to <50m (82 to <164fl) around wetland peri	meter (4)
	NARROW Buffers av	erage 10m to <25m (32ft to <82ft) around wetland pe	erimeter (1)
		ers average <10m (<32ft) around wetland perimeter	(0)
		use Select one or double check and average.	471
		th or older forest, prairie, savannah, wildlife area, etc ars), shrubland, young second growth forest (5)	. (/)
	1	Residential, fenced pasture, park, conservation tillage	ge, new fallow field. (3)
	HIGH Urban, industri	t open pasture, row cropping, mining, construction	(1)
10 11	Metric 3. Hydro	ology.	
max 30 pts subto	3a. Sources of Water. Score all	that apply. 3b Connectiv	rity. Score all that apply.
	High pH groundwater (	· · · · · · · · · · · · · · · · · · ·	year floodplain (1)
	Other groundwater (3)  1 Precipitation (1)	\	/een stream/lake and other human use (1) of wetland/upland (e.g. forest), complex (1)
	Seasonal/Intermittent		of nparian or upland corridor (1)
	Perennial surface water		nundation/saturation. Score one or dbl check.
_	3c. Maximum water depth. Sele >0.7 (27,6in) (3)		i- to permanently inundated/saturated (4)
, <u>;</u>	0.4 to 0.7m (15.7 to 27	· • • · · · · · · · · · · · · · · · · ·	ularly inundated/saturated (3) sonally inundated (2)
	1 <0.4m (<15.7in) (1)		sonally saturated in upper 30cm (12in) (1)
	3e. Modifications to natural hydr	plogic regime. Score one or double check and avera-	ge
	None or none apparen		
	Recovered (7)  Recovering (3)		source (nonstormwater) /grading
	Recent or no recovery	(  <del>                                    </del>	bed/RR track
	-	weir Udfed	ging
		stormwater input other	· · · · · · · · · · · · · · · · · · ·
(7 - )			
max 20 pls subtot		at Alteration and Develop	oment.
	None or none apparen	_	
	Recovered (3)		
	Recovering (2) Recent or no recovery	15	
	4b. Habitat development. Select		
	Excellent (7)	•	
	Very good (6)		
	Good (5) Moderately good (4)		
	3 Fair (3)		
	Poor to fair (2)		
	Poor (1) 4c. Habitat alteration. Score one	or cinuinte chank and average	
	None or none apparent Recovered (6)	· · · · · · · · · · · · · · · · · · ·	o/sapling removal
	Recovering (3)		aceous/aquatic bed removal
i	Recent or no recovery	1) clearcutting sedin	nentation
1,0		selective cutting v dred	- <del>-</del>
12-5			ng ent enrichment
subtotal this	t name		

ite: First Enr	to real and a lea	Intervals D D .	Doto: (a.s.)
	rsy RGW 202 R	tater(s): N. Ker	othy, L. Drown Date: 6/20/
	7		
145			
Subtolal this p	<b>⊸</b> aqe		
	<b>ጎ</b>		
5 -5	Metric 5. Special We	etlands	
10 pls subtolai	Check all that apply and score as indicated	riailas.	
TO PIS SUBIORS	Bog (10)		
	Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastal/tributary wetland	• • •	10)
	Lake Erie coastal/tributary wetland		
	Lake Plain Sand Prairies (Oak Op Relict Wet Praires (10)	enings) (10)	
	Known occurrence state/federal th	restaned or endangered s	species (10)
	Significant migratory songbird/wat	• • • • • • • • • • • • • • • • • • • •	
	Category 1 Wetland. See Question		
7 1 2 1			
<u> </u>	JMetric 6. Plant comr	nunities, inte	erspersion, microtopography
20 plis subtotal	6a. Wetland Vagetation Communities.	Vegetation Communit	ty Cover Scale
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous are
	Aquatic bed  Emergent	1	Present and either comprises small part of wetland's
	Shrub		vegetation and is of moderate quality, or comprises a 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		part and is of high quality
	Other	3	Present and comprises significant part, or more, of wetland
	6b. horizontal (plan view) Interspersion		vegetation and is of high quality
	Selectionity one. High (5)		
		Marratium Donasintian	of Vanctation Quality
			of Vegetation Quality  Low sop diversity and/or predominance of normative or
	Moderately high(4) Moderate (3)	Narrative Description low	of Vegetation Quality  Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	Moderately high(4)		Low spp diversity and/or predominance of nonnative or
	Moderately high(4) Moderate (3) Moderately low (2) Low (1)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation,
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) Coverage of invasive plants. Refer	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough 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
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough 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  A predominance of native species, with nonnative spp
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough 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
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, atthough 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  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
	Moderately high(4) Moderately low (2) Low {1} None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	high	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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 generallywlo presence of rare threatened or endangered spp  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
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)	high Mudflat and Open Wat	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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 generallywlo presence of rare threatened or endangered spp  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
	Moderately high(4) Moderately low (2) Low {1} None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	high  Mudflat and Open Wat	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.	high  Mudflat and Open Wat	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)
	Moderately high(4) Moderately low (2) Low {1} None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	high  Mudflat and Open Wat	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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	high  Mudflat and Open Wat  0 1 2	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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)	high  Mudflat and Open Wat  0 1 2	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	Moderately high(4) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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	high  Mudflat and Open Wat  0 1 2 3  Microtopography Cove	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) \$\frac{1}{2}\$ Standing dead >25cm (10in) dbh	mod  high  Mudflat end Open Wat  0  1  2  3	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  er Scale  Absent  Present very small amounts or if more common
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) \$\frac{1}{2}\$ Standing dead >25cm (10in) dbh	Mudflat and Open Wat  0 1 2 3  Microtopography Cove	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Hoderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  er Scale  Absent  Present very small amounts or if more common of marginal quality
	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) \$\frac{1}{2}\$ Standing dead >25cm (10in) dbh	high  Mudflat and Open Wat  0 1 2 3  Microtopography Cove	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  er Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
Ti.	Moderately high(4) Moderately low (2) Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) \$\frac{1}{2}\$ Standing dead >25cm (10in) dbh	Mudflat and Open Wat  0 1 2 3  Microtopography Cove	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vagetation, 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  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  ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  er Scale  Absent  Present very small amounts or if more common of marginal quality

Refer to the most recent ORAM Score Calibration Report for the scoring, breakpoints between wetland categories at the following address: http://www.eps.state.ch.us/dgw/d01/401.htm

Site: [15] [	RBW002 Rater(s): A Karring Later U/261.	١(
2 -	Metric 1. Wetland Area (size).	
niai 6 prs subloi	Selectione size class and assign score   Selectione size class and assign score   Selectione size class and assign score   Selectione size size size size size size size siz	
3/5	Metric 2. Upland buffers and surrounding land use.	
maa 14 pals Subidi	Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE Buffers average 50m (164ft) or more around wetland perimeter (?)  MEDIUM Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)  NARROW Buffers average 10m to <25m (32ft to <62ft) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (0)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, lenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban industrial, open pasture, row cropping, mining, construction. (1)	
10 15	Metric 3. Hydrology.	
ria (30 p)s subtot	Sources of Water Score all that apply  High pH groundwater (5)  Other groundwater (3)  1 Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennial surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  >0 7 (27 6in) (3)  0 4 to 0 7m (15 7 to 27 6in) (2)  Modifications to natural hydrologic regime. Score one or double check and average	k
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Recovering (3) Recovering (3) Recovering (3) Recovering (3)  Itile Recovering (3)  Itile Recovering (4)  Itile Recovering (5)  Itile Recovering (7)  Itile Recovering (8)  Itile Recovering (9)  Itile Recovering (10)  Itile Recovering (10)	
8 15	Metric 4. Habitat Alteration and Development.	
nax 20 pts subjects	Substrate disturbance. Scoré one or double check and average  None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  Habitat development. Select only one and assign score  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  Habitat alteration. Score one or double check and average.	
13	None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	

	risy REW Up 2	Rater(s): R.R.	Tathy believe, Date: Office
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Subjoinal this	page		
	Metric 5. Special W	etlands.	
10 pts subtota	•		
, , , , , , , , , , , , , , , , , , , ,	Bog (10)		
	Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5) Lake Erie coastal/tributary wetlan	d-uncestacted hydrology	(10)
	Lake Erie coastal/tributary wetlan		
	Lake Plain Sand Prairies (Oak O		,
	Relict Wet Praires (10)		
	Known occurrence state/lederal t	_	•
	Significant migratory songbird/wa Category 1 Wetland See Questi		
- T		cut i commune training (-	-10)
5 131	Metric 6. Plant com	munities, in	terspersion, microtopography
20 pts subtota		Vegetation Commun	
	Score all present using 0 to 3 scale	0	Absent or comprises <0 tha (0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises small part of wetland's
	Emergent   Shrub		vegetation and is of moderate quality, or comprises a 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		part and is of high quality
	Other	3	Present and comprises significant part, or more, of wetland's
	6b horizontal (plan view) Interspersion Selectionly one		vegetation and is of high quality
	High (5)	Narrative Description	n of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderately high(4) Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	Moderately high(4)  Moderate (3)  Moderately low (2)		Low spp diversity and/or predominance of nonnative or disturbance tolerant native species.  Native spp are dominant component of the vegetation.
	Moderately high(4) Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp
	Moderately high(4)  Moderate (3)  Moderately low (2)  Low (1)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant riative species.  Native spp are dominant component of the vegetation.
	Moderately high(4) Moderately kow (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	flow	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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
	Moderately high(4) Moderately kow (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add of deduct points for coverage	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  A predominance of native species, with nonnative spp
	Moderately high(4) Moderately kow (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	flow	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5)	flow	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  A predominance of native species, with nonnative spp
	Moderately high(4) Moderately how (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1) Nearly absent <5% cover (0)	fow mod high	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species.  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.  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.
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)	flow  mod  high  Mudflat and Open W	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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
	Moderately high(4) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	high  Mudflat and Open W	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)	flow  mod  high  Mudflat and Open W	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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  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
	Moderately high(4) Moderately how (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.	high  Mudflat and Open W  0 1	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  [ater Class Quality   Absent <0.1ha (0.247 acres)   Low 0.1 to <1ha (0.247 acres)
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) I Standing dead >25cm (10in) dbh	high  Mudflat and Open W  0 1 2 3	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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  [ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	Moderately high(4) Moderately how (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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)	high  Mudflat and Open W  0 1 2 3	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  [ater Class Quality  Absent <0 tha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  High 4ha (9.88 acres) or more
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) I Standing dead >25cm (10in) dbh	high  Mudflat and Open W  0 1 2 3	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Hoderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) I Standing dead >25cm (10in) dbh	high  Mudflat and Open W  0 1 2 3  Microtopography Co	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  [ater Class Quality  Absent <0 tha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  High 4ha (9.88 acres) or more
	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) I Standing dead >25cm (10in) dbh	high  Mudflat and Open W  0 1 2 3  Microtopography Co	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  [ater Class Quality  Absent <0 tha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  High 4ha (9.88 acres) or more  [aver Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
(Th	Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) I Standing dead >25cm (10in) dbh	high  Mudflat and Open W  0 1 2 3  Microtopography Co C	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species  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.  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.  Absent <0 tha {0.247 acres}  Low 0.1 to <1ha {0.247 acres}  Moderate 1 to <4ha {2.47 to 9.88 acres}  High 4ha (9.88 acres) or more

Refer to like most recent ORAM Score Celebration Report for the scoring, breakpoints between welland categories at the following address: http://www.epa.state.ch.us/dsw/401/401 html

Site: M	uddle:	Field - First Energy	Rater(s): ML, L-B.	Date: 5/7/07
3	3	Metric 1. Wetland	d Area (size).	W-208
max 6 pts.	subtotat	Select one size class and assign scc >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 <4hs 0.3 to <3 acres (0.12 to <1 0.1 to <0.3 acres (0.04 to < <0.1 acres (0.04 to <10.1 acres (0.04 to ) acres (0.04 to ) acres (0.04 to )	ore. ) 10.2ha) (5 pts) (ha) (4 pts) i) (3 pts) 2ha) (2pts) 10.12ha) (1 pt)	
12	15		buffers and surroun	ding land use.
max 14 Pis.	subtola:	_	Select only one and assign score. Do not do	<u> </u>
max 14 pre.	SUP-COM !	7 WDE. Buffers average 50 MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers. 2b. Intensity of surrounding land use VERY LOW. 2nd growth of LOW. Old field (>10 years) MODERATELY HIGH. Re:	m (164ft) or more around welland perimeter a 25m to <50m (82 to <164ft) around welland perimeter a 25m to <50m (82 to <164ft) around welland e 10m to <25m (32ft to <82ft) around welland average <10m (<32ft) around welland perime. Select one or double check and average, rolder forest, prairie, savannah, wildlife area), shrubland, young second growth forest. (5 sidential, fenced pasture, park, conservation pen pasture, row cropping, mining, construct	(7) I perimeter (4) Ind perimeter (1) Indeter (0) Indeter (7) Indeter (7) It tillage, new fallow field. (3)
19	24	Motrio 2 Hydrole	NAME OF THE PARTY	
max 30 pts.	subtotal	Metric 3. Hydroic  3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfa Perennial surface water (ta 3c. Maximum water depth. Select or >0.7 (27.6in) (3) 2 0.4 to 0.7m (15.7 to 27.6in) 1 <0.4m (<15.7in) (1) 3e. Modifications to natural hydrolog None or none apparent (12	ce water (3) ke or stream) (5) thy one and assign score.  (2) ic regime. Score one or double check and a	nectivity. Score all that apply.  100 year floodplain (1) Between stream/lake and other human use (1) Part of welland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1) Ition inundation/saturation. Score one or dbl check. Semi- to permanently inundated/saturated (4) Regularly inundated/saturated (3) Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1) verage.
<b></b>	?	Recovered (7) Recovering (3) Recent or no recovery (1)	tile dike weir	point source (nonstormwater) filling/grading road bed/RR track dredging other_Beauer Damn
9	43	Metric 4. Habitat	Alteration and Devel	opment.
пшх 20 різ.	subjects	4a. Substrate disturbance. Score or None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select onl Excellent (7) Very good (6) Good (5) Moderately good (4)	e or double check and average.	
г		Moderately good (4) Fair (3) Poor to fair (2) Poor (1) Ac. Habitat atteration. Score one or None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed mowing grazing clearcutting	shrub/sapling removal. ( ווליאל Shrub/sapling removal ( Brawy) איל איין איין איין איין איין איין איין
Sul	43 btotal shis pag		woody debris removal	farming nutrient enrichment

te: Middle	First Energy R	ater(s): m L	L B Date: 8/7/0)
	7		•
143			
Subtotal this pa	<b></b> age		ML-208
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>1</b>		Mr- and
0 143	∐Metric 5. Special We	tlands.	
(10 pls. subtola!	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	f-unrestricted bydrology /10	0)
	Lake Erie coastal/tributary wetland	, .,	~,
	Lake Plain Sand Prairies (Oak Op	enings) (10)	
	Relict Wet Praires (10)		·
	Known occurrence state/federal th	•	•
	Significant migratory songbird/water Category 1 Wetland. See Question	. • '	•
<del>,</del>	7	Communic (Caming (-10	"
1 54	Metric 6. Plant comr	nunities, inte	erspersion, microtopography
20 pls. subtolai	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
	Emergent I Shrub		vegetation and is of moderate quality, or comprises a 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		part and is of high quality
	Other	3	Present and comprises significant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion. Select only one.		vegetation and is of high quality
	High (5)	Narrative Description of	of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	3 Moderate (3)		disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	Low (1) None (0)	!	although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to
	6c. Coverage of Invasive plants. Refer		moderately high, but generallyw/o presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endangered spp
•	or deduct points for coverage	high	A predominance of native species, with nonnative spp
-	Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always.
	Sparse 5-25% cover (-1)		the presence of rere, threatened, or endangered spp
	Nearly absent <5% cover (0)		•
	Absent (1)	Mudflat and Open Water	
	6d. Microtopography.  Score all present using 0 to 3 scale.	0	Absent <0.1ha (0.247 acres)
	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)
		3	High 4ha (9.88 acres) or more
	Coarse woody debris >15cm (6in)		
	Standing dead >25cm (10in) doh		•
		Microtopography Cove	
	Standing dead >25cm (10in) dbh	0	Absent
	Standing dead >25cm (10in) dbh		Absent Present very small amounts or if more common
	Standing dead >25cm (10in) dbh	0	Absent
	Standing dead >25cm (10in) dbh Amphibian breeding pools	2	Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest quality or in small amounts of highest quality
Categor	Standing dead >25cm (10in) dbh	3	Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

			in disellitative rating	<u> </u>		
	Site: /	Midd	efield-First Energy Rate	r(s): Nort Low	1Her	Date: 5-8-07
	2	2	Metric 1. Wetland Area	ı (size).	WL-215	
	max 6 pts.	Subtotal	Select one size class and assign score.  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.1 to <20.2ha) (5 pt)  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 pts)  <0.1 acres (0.04ha) (0 pts)	, s)	,	
	8	10	Metric 2. Upland buffe	rs and surro	unding land us	se.
,	max 14 pts.	sub(als)	2a. Calculate average buffer width. Select only of WIDE. Buffers average 50m (164ft) or MEDIUM. Buffers average 25m to <50 NARROW. Buffers average 10m to < VERY NARROW. Buffers average <10 to <20. Intensity of surrounding tand use. Select on VERY LOW. 2nd growth or older fores LOW. Old field (>10 years), shrubland; MODERATELY HIGH. Residential, fen HIGH. Urban, industrial, open pasture,	one and assign score. Do more around wetland perion (82 to <164ft) around wetland perion (32ft to <82ft) around with (<32ft) around wetland be or double check and aveing second growth foreced pasture, park, conserved	not double check. meter (7) stiand perimeter (4) wetland perimeter (1) perimeter (0) rage. e area, etc. (7) stiff) ration tillage, New fallow field. (	
	12	22	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 3c. Maximum water depth. Select only one and 3c. 7 (27.6in) (3)  O.4 to 0.7m (15.7 to 27.6in) (2)  <0.4m (<15.7in) (1)  3e. Modifications to natural hydrologic regime. S	) (5) 3d. assign score. core one ar double check	Connectivity. Score all that ap 100 year floodplain (1) Between stream/lake and Part of wetland/upland (e Part of inparian or upland Duration inundation/saturation Semi- to permanently inun Regularly inundated (2) Seasonally inundated in u and average.	d other human use (1) .g. forest), complex (1) corridor (1) . Score one or dbl check. Indated/saturated (4) rated (3)
		·····	Recovered (7) Recovering (3) Recent or no recovery (1) ditu	e	point source (nonstormwa filling/grading road bed/RR track dredging)	aler)
٠		29	Metric 4. Habitat Altera	ition and Dev	velopment.	
	max 20 pts.	subtotal	4a. Substrate disturbance. Score one or double None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Selectionly one and as Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat afteration. Score one or double check	check and average. ssign score.	•	
	8	A G	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)	all disturbances observed wing uzing arcutting active cutting ody debris removal ic pollutants	shrub/sapling removal herbaceous/aquatic bed r sedimentation dredging farming nutrient enrichment	emoval

Site: Midd	letiou - First Energy   F	Rater(s): Nad	LowfA	Date: 5-8-07
29 subtotal this p	Metric 5. Special W	etlands.	ML-215	
max 10 pis. 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 Lake Erie coastal/tributary wetlan Lake Plain Sand Prairies (Oak Op Relict Wet Praires (10) Known occurrence state/federal th Significant migratory songbird/wat Category 1 Wetland. See Questic	d-unrestricted hydrology ( d-restricted hydrology (5) lenings) (10) hreatened or endangered ler fowl habitat or usage (1	species (10) 10)	
-1 28	7	•		otonography
max 20 pts. subtotal	Metric 6. Plant comp 6a. Wetland Vegetation Communities.	Vegetation Communi		otopograpity.
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2	471 acres) contiguous area
	Aquatic bed   Emergent	1	Present and either comprises sm vegetation and is of moderate	all part of wetland's
	O Shrub		significant part but is of low qua	ality
	Forest Mudflals Open water	<b>2</b>	Present and either comprises sig vegetation and is of moderate or part and is of high quality	•
	Other 8b. horizontal (plan view) Interspersion.	3	Present and comprises significant vegetation and is of high quality	·
	Select only one.			
	High (5)	Narrative Description	of Vegetation Quality	
	Moderately high(4) Moderate (3)	low	Low app diversity and/or predomi disturbance tolerant native spec	cies ·
· ·	Moderately low (2)  Low (1)  None (0)  6c. Coverage of invastve plants. Refer	mod	Native spp are dominant compon although nonnative and/or distu- can also be present, and speci- moderately high, but generallyy	rbance tolerant native spp as diversity moderate to
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	•
hashitu	or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	tigh	A predominance of native species and/or disturbance tolerant nati absent, and high spp diversity of the presence of nare, threatener	ve app absent or virtually and often, but not always,
	Nearly absent <5% cover (0)			
	Absent (1)	Mudflat and Open Wa		
	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	2	Moderate 1 to <4ha (2.47 to 9.68	
	# Coarse woody debris > 16cm (6in)	3	High 4ha (9.88 acres) or more	· datas
	Standing dead >25cm (10in) dbh			·
	Amphibian breeding pools	Microtopography Cov	er Scale	
		D	Absent	
		1	Present very small amounts or if r	more common
	•		of marginal quality	
		2	Present in moderate amounts, bu	· ·
Conde	m T	3	quality or in small amounts of hi Present in moderate or greater an	
	5		and of highest quality	
28 GRAN	D TOTAL(max 100 pts)			

	Site: 77	المما	Field-First	Energy	Rater(s):	Math	Lander	Date; 5-8-0	<del></del>
		1/soccer.c	1	37		7 1.55-7	LUTYES	1-2	<u></u>
)	O	O	Metric 1.	Wetland	Area (siz	ze).		•	
	тах в ріс.	subtotal	>50 acre 25 to <5 10 to <2 3 to <10 0.3 to <3 0.1 to <0	ss and assign score s (>20.2hs) (5 pts) cores (10.1 to <20.5 cores (4 to <10.1 hs acres (1.2 to <4ha) (1.2 to <1.2ha) cores (0.12 to <1.2ha) cores (0.04 to <0.2ha) cores (0.04 to <0.2ha)	2ha) (5 pts) a) (4 pts) (3 pts) a) (2pts)			ML-214	
	2	3	7		uiffare ai	nd euri	ounding	land use.	
	mak 14 pts.	subtotal	2a. Calculate avei WIDE. 6 MEDIUN NARRO	age buffer width. Se buffers average 50m i. Buffers average 2 W. Buffers average ARROW. Buffers av	elect only one and : (164ft) or more ard 5m to <50m (82 to 10m to <25m (32ft	assign score. ound wetland p <164ft) aroun (to <82ft) arou	Do not double cho perimeter (7) d wetland perimet nd wetland perime	eck. er (4)	
			VERY LOW. CO.	rounding land use. DW. 2nd growth or o ld field (>10 years), s ATELY HIGH. Resid trban, industrial, ope	older forest, prairie, shrubland, young s lential, fenced past	savannah, wi acond growth ure, park, con	ldlife area, etc. (7) forest. (5) servation tillage, r	~	
	8	11	Metric 3.	Hydrolog	gy.				
)	max 30 pts.	subjotal	High pH Other gr Precipita Seasona Perennia 3c. Maximum wate ,	Untermittent surface if surface water (lake or depth. Select only 6in) (3) 'm (15.7 to 27.6in) (2	water (3) or stream) (5) one and assign so 2)	zone.	100 year Betweer Part of v Part of n Semi-to Regulari Seasona Seasona	Score all that apply. floodplain (1) stream/lake and other human use (1) etland/upland (e.g. forest), complex (1) parian or upland corridor (1) dation/saturation. Score one or dbl chec permanently inundated/saturated (4) y inundated/saturated (3) lly inundated (2) lly saturated in upper 30cm (12in) (1)	
			Recover Recover	· •	Check all disturt ditch like dike weir stormwater		point sou filling/gra	IRR track	
	3	14	Metric 4.	Habitat A	Alteration	and D	evelopm	ent.	
	max 20 pts.	subtotal	4a. Substrate dist None or Recoveri Recoveri X Recent of Habitat develo Excellent Vary goo Good (5) Moderate Fair (3) Poor to fi	arbance. Score one none apparent (4) ad (3) ng (2) r no recovery (1) pment. Select only (7) d (5) why good (4)	or double check ar	nd average. ore.	)		
)	s	) & Dibtotal this per	Recovered Recovered Recovered Recovered Record of Record of Record of Record of Record of Recovered Recove		Check all disturb mowing grazing clearcutting selective cu woody debr toxic polluts	itting is removal	shrub/sa herbaced sedimen dredging farming	oling removal nus/aquatic bed removal ation nuichment	

ORAM v. 5.0 Field Fo	rm Quantitative Rating			
Site: Middle	:Field-First Energy R	ater(s): Mad	Lorde	Date: 5-107
J U subtokal this pa	ml-214			· · ·
0 14	∐Metric 5. Special We	etlands.		
mex 10 ots. subtotal	Check all that apply and score as indicated.  Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Eric coastal/tributary wetland Lake Eric coastal/tributary wetland Lake Plain Sand Prairies (Oak Open Retict Wet Prairies (10) Known occurrence state/federal the Significant migratory songbird/water Category 1 Wetland. See Question	I-restricted hydrology (5) enings) (10) reatened or endangered s er fowl habitat or usage (1	pecies (10) D)	
-4 10	Metric 6. Plant comm	nunities, inte	erspersion, mic	crotopography.
max 20 pts. subloted	6a. Wetland Vegetation Communities.	Vegetation Communit		
	Score all present using 0 to 3 scale	0	<del></del>	0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises	•
	1 Emergent Shrub		vegetation and is of modera	• •
	Forest	2	significant part but is of low Present and either comprises	<del></del>
	Mudflats	4		ite quality or comprises a small
	Open water		part and is of high quality	te quanty or comprises a small
	Other	3		cant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.	•	vegetation and is of high qu	·
	Select only one.			
	High (5)	Narrative Description	of Vegetation Quality	
	Moderalely high(4)	iow	Low spp diversity and/or pred	ominance of nonnative or
	Moderate (3)		disturbance tolerant native :	species
	Moderately low (2)	mod	Native spp are dominant com	<del>-</del>
	Low (1)		1 -	listurbance tolerant native spp
	None (0)		can also be present, and sp	
	6c. Coverage of invasive plants. Refer		moderately high, but genera	•
•	to Table 1 ORAM long form for list. Add	E-1	threatened or endangered s	
1.,	or deduct points for coverage  Extensive >75% cover (-5)	hìgh	A predominance of native spe	
29 101710	Moderate 25-75% cover (-3)			native spp absent or virtually ity and often, but not always,
and Hure	Sparse 5-25% cover (-1)		the presence of rare, threate	•
B W. C. W.	Nearly absent <5% cover (0)		The processes of rate, and	and the angular desired the
	Absent (1)	Mudflat and Open Wat	er 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 s	9.88 acres)
	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	<u> </u>
	Standing dead >25cm (10in) dbh			<del></del>
	Amphibian breeding pools	Microtopography Cove	r Scale	
		0	Absent	
		, 1	Present very small amounts o	r if more common

Contegory I

GRAND TOTAL(max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between watland categories at the following address: http://www.eps.state.ch.us/staw/401/401.falmi

2

3

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

Category II

GRAND TOTAL(max 100 pts)

2

3

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

of marginal quality

and of highest quality

Site: Mid	llefield-First Energy	Rater(s): Max	refler	Date: 5-6-07
Mex 6 pts. subto	>50 acres (>20.2ha) (6 pts)	<b>e</b> .	ML-	カユ
	25 to <50 acres (10.1 to <20 10 to <25 acres (4 to <10.1) 3 to <10 acres (1.2 to <4ha) 0.3 to <3 acres (0.12 to <1) 0.1 to <0.3 acres (0.04 to <1) <0.1 acres (0.04ha) (0 pts)	na) (4 pts) ) (3 pts) 2hø) (2pts)		
81	Metric 2. Upland	buffers and surr	ounding land u	se.
max 14 pts. subto	2a, Calculate average buffer width. S WiDE. Buffers average 50r MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers a 2b. Intensity of surrounding land use. VERY LOW. 2nd growth or LOW. Old field (>10 years) MODERATELY HIGH. Res	Select only one and assign score. It is (164ft) or more around wetland p 25m to <50m (82 to <164ft) around to 10m to <25m (32ft to <82ft) around wetlar (32ft) around wetlar	Do not double check. erimeter (7) I wetland perimeter (4) nd wetland perimeter (1) nd perimeter (0) average. diffe area, etc. (7) orest-(6) ervation tillage, few fallow field.	<b>)</b> (3)
18 3	Metric 3. Hydrolo	gy.		
max 30 pts. subto		apply. 3  se water (3) se or stream) (5) ly one and assign score.  (2)	bb. Connectivity. Score all that a 100 year floodplain (1) Between stream/lake an Part of wetland/upland (i) Part of riparian or upland d. Duration inundation/saturation Semi- to permanently ini Regularly inundated/saturated (2) Seasonally inundated (2) Seasonally saturated in it ck and average.	nd other human use (1) e.g. forest), complex (1) d comdor (1) n. Score one or dbl check. undated/saturated (4) urated (3)
	None or none apparent (12)  Recovered (7)  Recovering (3)  Recent or no recovery (1)			rater)
13 4	Metric 4. Habitat	Alteration and D	evelopment.	
max 20 pts. subto	4a. Substrate disturbance. Score one None or none apparent (4) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or development.	e or double check and average.  one and assign score.		
U Substant th	None or none apparent (9) Recovered (6) Recovering (3) Recant or no recovery (1)	Check all disturbances observe mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	shrub/sapling removal herbaceous/aquatic bed sedimentation dredging faming nutrient enrichment	removal

Site: Myddle	ld First Energy Rater(s): ML.L.B Date: 5/7/07
	Metric 1. Wetland Area (size).
max 6 pts subtotal	Select one size class and assign score
5 6	Metric 2. Upland buffers and surrounding land use.
max 14 pts. subtoral	a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (?)  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)  b. Intensity of surrounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
10 16	Metric 3. Hydrology.
max 30 pts. subtotal	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)  Maximum water depth. Select only one and assign score.  Maximum water depth. Select only one and assign score.  >0.7 (27.6in) (3)  0.4 to 0.7m (15.7 to 27.6in) (2)  Modifications to natural hydrologic regime. Score one or double check and awarage.
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1) Check all disturbances observed point source (nonst/frmwater) filling/grading road bed/RR track dredging stormwater input other
8 24	Wetric 4. Habitat Alteration and Development.
max 20 pls. Subtotal	a. Substrate dis(urbance. Score one or double check and average.  None or none apparent (4)  Recovering (2)  Recent or no recovery (1)  Habitat development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to lair (2)  Poor (1)  Habitat atteration. Score one or double check and average.
24 subtotal this p	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no re

Metric 5. Special Wetlands.  Check all that apply and socie as indicated.  Check all that apply and socie as indic	Site: Michael	lefield-First Energy R	ater(s): 1m L.	LB	Date: 4/7/07
Metric 5. Special Wetlands.  Check 8 that apply and score as indicated Bog (10) Fin (10) Old growth format (10) Matter betrafict wetter (5) Lake Ene consolabilituary wetland-innocalizated hydrology (10) Lake Ene consolabilituary wetland-innocalizated hydrology (10) Lake Ene consolabilituary wetland-innocalizated hydrology (10) Lake Plans Sand Prairies (Oak Operange) (10) Redict Wet Prairies (10) Redict Rediction	[	_		,	W- 207
Metric 5. Special Wetlands.    Check at that apply and score as indicated.	7	41			J
The control of the co	subjetal B	ins page			•
The control of the co	0 2	Metric 5. Special We	etlands.		
Bog (10) Fen (10) Old growth forests (10) Wature forested welland (5) Lake Eric coostabilitudinary welland-unrestricted hydrology (10) Lake Eric coostabilitudinary welland-unrestricted hydrology (5) Lake Eric coostabilitudinary welland-unrestricted hydrology (6) Lake Price State Plantes (10) Report on cocumeno state/indepail hireaterized or endangered species (10) Significant imprisory sengitor/diversel roun habitat or usage (10) Category 1 Welgard Sc. Cours (10) Lake Price (10) Category 1 Welgard Sc. Cours (11) Appeals and a second or comprises of the (0.2471 acres) configuous area of Price (10) Final present using (8 to 3 scale Appeals bed Final Price (10) Fi	max 10 pts subto				
Mature forested willard (5)   Lake Enercosatal/tributary wettend unrestricted hydrology (10)   Lake Enercosatal/tributary wettend unrestricted hydrology (8)   Lake Enercosatal/tributary wettend restricted hydrology (9)   Lake Enercosatal/tributary wettend unrestricted hydrology (9)   Lake Enercosatal/tributary wettend unrestricted hydrology (9)   Retict Wet Farriars (10)   Roover cocumence state/index (10)   Significant inferiatory songitificaties (10)   Significant inferiatory songitificaties (10)   Significant inferiatory songitificaties (10)   Significant inferiatory songitificaties (10)   Category 1 Wetland. See Cusastion 1 Qualitative Rating (-10)   Absent or comprises vol. this (0.2471 perce) contiguous area (10)   Description of community Cover Scale (10)   Absent or comprises small part of wetland's vegetation and is of moderate quality, or comprises a spanicant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality (10)   Description (10)   Desc		Bog (10)			
Mature forested welland (5) Lake Eric cosstal/hibutary wetland-unrestricted hydrology (10) Lake Eric cosstal/hibutary wetland-restricted hydrology (6) Lake Piero Sand Pratites (Oar Opsamp) (10) Refect Well France (Oar Opsamp) (10) Refect Oar Opsamp) (10) Refered Oar					
Lake Risc costal/abulsary wetland-certificate hydrology (10) Lake Plain Sand Proteins (Oar Opeways) (10) Relicit Viser Traines (10) Relicit Communities Re					•
Lake Eric constabilibulary welland-recinical hydrology (5) Lake Plain Sand Prairies (Oak Openings) (10) Relict Wel Prairies (10) Relict Well Prairies (10) Repetation Communities, interspersion, microfopography.  Vegetation Community Cover Scale  Aqualic bed Apparent or comprises (10) that (10,247) scree) configuous area  Present and either comprises small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprises a small part of welland's vegetation and is or individually or comprise and individually or predominance of individually or comprise and individually or comprise an			f-unrestricted hydrology (	(10)	
Relat Wet Praires (10)  Known occumence state/lighteral threatened or endangered species (10)  Significant migratory sampler/dwater few habitat or usage (10)  Category 1 Wetland. See Cuestion 1 Qualitative Rating (-10)  Metric 6. Plant communities, interspersion, microtopography.  4. Wetland Vegetation Communities  6a. Wetland Vegetation Communities  Score all present using 0 to 3 scale.  Aquatic bed  Emergent  Shub Forest  Aquatic bed  Present and either comprises small part of wetland's vegetation and is of moderate small part of wetland's vegetation and is of moderate splint, or comprises a significant part but is of low quality.  Coher 3  Bhortzontal (plan view) interspersion.  Select only one.  High (5) Moderate (3) Moderate (4) Moderate (3) Moderate (4) Moderate (5) Moderate (5) Moderate (4) Moderate (5) Moderate (5) Moderate (5) Moderate (6) Moderate (7) Materity Description of Vegetation funitive species Moderate (6) Moderate (7) Materity Description of Vegetation funitive species of writing moderate to moderate and or writing moderate				,	
Apparatus (Richown occurrence state/lederal threatened or endangered species (10) Significant migratory songbridwater (row habitat or usage (10) Category 1 Wethind. See Ouestion 1 Questiative Rating (-10)  Metric 6. Plant communities, interspersion, microtopography.  Ga. Wetland Vegelation Communities Soone all precent using 0 to 3 scale  Aquatic bed  Aquatic bed  Aquatic bed  Aquatic bed  Forest  Forest  Open water  Other  Other  High (5) Moderately high(4) Modera		Lake Plain Sand Prairies (Oak Op	еляпgs) (10)		
Significant migratory songhistwater fowl habitat or usage (10)		<u> </u>			
Metric 6. Plant communities, interspersion, microtopography.  6a. Welland Vegetation Communities Soore all present using 0 to 3 scale  Aquatic bed		<del></del>	<del>-</del>		
Soore all present using 0 to 3 scale  Aguatic bet of Present using 0 to 3 scale  Aguatic bet of Present using 0 to 3 scale  Emergent Shrub Forest Other Othe		<b></b>	· · · · · · · · · · · · · · · · · · ·	=	
Soore all present using 0 to 3 scale  Aguatic bet of Present using 0 to 3 scale  Aguatic bet of Present using 0 to 3 scale  Emergent Shrub Forest Other Othe					
Score all present using 0 to 3 scale.  Aquatic bed	3 7	<u>}</u> Metric 6. Plant comr	nunities, int	erspersion, micr	otopography.
Aquatic bed Emergent vegetation and is of moderate quality, or comprises a significant part of wetland's vegetation and is of moderate quality, or comprises a synificant part of or low quality.  Forest 2 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.  Open water Other 3 Present and comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality.  Sched only one.  High (5) Nametrive Description of Vegetation Quality.  Moderately high(4) Low spp diversity and/or predominance of nonnetive or disturbance tolerant native species.  Nametrive Description of Vegetation quality.  Nametrive Description of Vegetation and is of high quality.  Nametrive Description of Vegetation quality.  Nametrive Description of Vegetation quality.  Nametrive Description of Vegetation and is of high quality.  Nametrive Description of Vegetation and is of high quality.  Nametrive Description of Vegetation and is of high quality.  Present in moderate quality.  Present in moderate quality.  Present in moderate quality.  Present in moderate quality.	max 20 pts subto	·	Vegetation Communi	<del></del>	
Emergent Shrub Forest Forest Mudflats Open water Other Other Other High (5) Moderately high(4) Moderately high (6)  Moderately high, but generally with presence of normative or disturbance tolerant native species  Occurrage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive 375% cover (-5) Moderate 25-73% cover (-5) Moderate 25-73% cover (-1) Nearly absent 45% cover (-1) Mearly absent 45% cover (-1) Mearly absent 45% cover (-1) Maker spen and the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  Middle Amphibian breeding pools  Microtopography Cover Scale  O Absent - O, the (0.247 to 2.47 scres)  Microtopography Cover Scale  O Absent - O, the (0.247 to 2.47 scres)  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  O Absent - O, the (0.247 to 9.88 acres) or more  Microtopography Cover Scale  O Absent - O, the (0.247 to 9.88 acres) or more  Microtopography Cover Scale  O Absent - O, the (0.247 to 9.88 acres) or more  Microtopography Cover Scale  O Present in moderate amounts, but not of highest quality or in small amounts or highest quality  Present in moderate or greater amounts  and of highest quality				<del></del>	
Shrub   Significant part but is of low quality		<del>  </del>	Ŧ	1	
Muchinase				1 · ·	• •
Open water Open water Open water Open water Open water Other		Forest	2	Present and either comprises sig	nificant part of wetland's
Other				· -	juality or comprises a small
Select only one.  High (5)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-5)  Moderate 25-75% cover (0)  Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  G Coarse woody debris >15cm (6in)  Vegetated hummucks/tussucks  G Coarse woody debris >15cm (6in)  P Standing dead >25cm (10in) dbh  Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  P Fresent in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts or if more common of moderate or greater amounts and of highest quality		·			
Select only one.  High (5)  Moderately high(4)  Moderately high(4)  Moderately 10w (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-5)  Mearly absent < (-1)  Nearly absent < (-1)  Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Wight absent < (-1)  Moderate 25-75% cover (-5)  Mearly absent < (-1)  Nearly absent < (-1)  Real present using 0 to 3 scale.  O Vegetated hummucks/fussucks  G Coarse woody debris >15cm (sin)  O Standing dead >25cm (10in) dbh  Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Do O 1 of the (0 247 to 2.47 acres)  Microtopography Cover Scale  O Absent  1 Present in moderate amounts or finore common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality			3	· · ·	,
Moderately high(4) Moderately (3) Moderately (3) Moderately (3) Moderately (3) Moderately (3) Moderately (3) Moderately (4) Moderately (5) Moderately (5) Moderately (6) Moderately (7) Moderately (8) Mo		*		vegetation and is of riight quality	
Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-5)  Moderate 25-75% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  O Vegetated hummucks/fussucks  G Coarse woody debris 15cm (6in)  Standing dead >25cm (10in) deh  O Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  1 Present in moderate amounts of highest quality  Present in moderate amounts of highest quality  Present in moderate or greater amounts  and of highest quality  Present in moderate amounts of highest quality  Present in moderate or greater amounts  And of highest quality  Present in moderate or greater amounts  And of highest quality		High (5)	Narrative Description		
Moderately low (2) Low (1) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.  O Vegetated hummucks/fussucks C Coarse woody debris >15cm (6in)  O Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent 1 Present very small amounts of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality		<b>—</b>	low		
although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-3) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.    Wudflat and Open Water Class Quality   O Absent < 0 tha (0.247 acres)   O Vegetated hummucks/tussucks   2 Moderate 1 to <4ha (2.47 to 8.88 acres)     O Absent (1) o Absent   1 to <4ha (2.47 to 8.88 acres)     O Absent   1 to Present very small amounts or if more common of marginal quality   O Present in moderate amounts, but not of highest quality   O Present in moderate amounts or if more common of highest quality   O Present in moderate amounts, but not of highest quality   O Present in moderate amounts or geter amounts and of highest quality   O Present in moderate or greater amounts and of highest quality				<del></del>	<del></del>
Can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare to Table 1 ORAM iong form for list. Add or deduct points for coverage high A predominance of native species, with nonnative spp and/or disturbance tolerant netive spp absent or wirtually absent, and high spp diversity and often, but not elways, the presence of rare, threatened, or endangered spp    Absent (1)			ПЮ		
to Table 1 ORAM long form for list. Add  or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Nearly absent <5% cover (0)  Nearly absent (1)  Absent (1)  Mudifiet and Open Water Class Quality  6d. Microtopography.  Score all present using 0 to 3 scale.  O Vegetated hummucks/tussucks  C Coarse woody debris >15cm (6in)  O Standing dead >25cm (10in) dbh  C Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality  3 Present in moderate or greater amounts and of highest quality  and of highest quality  Present in moderate or greater amounts and of highest quality					
or deduct points for coverage  Extensive >75% cover (-5)  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.  O Vegetated hummucks/tussucks  C Coarse woody debris > 15cm (6in)  O Standing dead >25cm (10in) dbh  O Absent  O Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate or greater amounts  and of highest quality  Present in moderate or greater amounts  and of highest quality  Present in moderate or greater amounts  and of highest quality  Present in moderate or greater amounts  and of highest quality				moderately high, but generallyw	fo presence of rare
Extensive >75% cover (-5)  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.  O Vegetated hummucks/tussucks  C Carse woody debris >15cm (6in)  O Standing dead >25cm (10in) dbh  C Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality or in small amounts, but not of highest quality  Present in moderate or greater amounts and of highest quality  Present in moderate or greater amounts and of highest quality		•	12.1		WI
Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  Mudifiat and Open Water Class Quality  O Absent <0.1ha (0.247 acres)  Vegetated hummucks/tussucks Coarse woody debris > 15cm (6in)  O Standing dead > 25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent  O Absent  O Absent  O Absent  O Absent  O Absent  O Standing dead > 25cm (10in) dbh O Absent  O Absent  O Present very small amounts or if more common of marginal quality  O Present in moderate amounts, but not of highest quality  O Present in moderate or greater amounts  and of highest quality		<del>January</del>	, nigh	• '	* *
Nearly absent <5% cover (0) Absent (1) Mudifiet and Open Water Class Quality  6d. Microtopography.  O Absent <0.1ha (0.247 acres)  Score all present using 0 to 3 scale.  O Vegetated hummucks/tussucks C Coarse woody debris > 15cm (6in)  O Standing dead > 25cm (10in) dbh  O Absent  O Absent  O Absent  O Absent  O Absent  O Absent  O Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  O Present in moderate or greater amounts and of highest quality					
Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  O Vegetated hummucks/tussucks C Coarse woody debris >15cm (6in) O Standing dead >25cm (10in) dbh C Amphibian breeding pools  Microtopography Cover Scale  O Absent 1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  O Present in moderate or greater amounts  Amphibian breeding pools  Microtopography Cover Scale  O Present in moderate or greater amounts  O Present in moderate or greater amounts  Amphibian breeding pools  O Present in moderate or greater amounts		Sparse 5-25% cover (-1)		the presence of rare, threatened	i, or endangered spp
6d. Microtopography.  Score all present using 0 to 3 scale.  O Vegetated hummucks/tussucks C Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent 1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts  Amphibian breeding pools  Present in moderate or greater amounts and of highest quality		——————————————————————————————————————	Manual Program Adda	and the contract	
Score all present using 0 to 3 scale.  O Vegetated hummucks/tussucks C Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh O Amphibian breeding pools  Microtopography Cover Scale  O Absent 1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts and of highest quality		• •			
Coarse woody debris >15cm (6in)  Standing dead >25cm (10in) dbh  Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts  and of highest quality		_		· · · · · · · · · · · · · · · · · · ·	res)
Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts and of highest quality			2	Moderate 1 to <4ha (2.47 to 9.88	acres)
Amphibian breeding pools  Microtopography Cover Scale  O 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  3 Present in moderate or greater amounts and of highest quality			3	High 4ha (9.88 acres) or more	
O Absent  Present very small amounts or if more common of marginal quality  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		<del></del>	Minustanagraphy Car	sas Caela	
Present very small amounts or if more common of marginal quality  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		amprician orecord poors			
2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality  3 Present in moderate or greater amounts and of highest quality				<del></del>	nore common
quality or in small amounts of highest quality  3 Present in moderate or greater amounts and of highest quality					
3 Present in moderate or greater amounts and of highest quality	C.1.	T		· ·	T.,
, sup of mignest desiry	-a+	Jong -	3	1	nounts
	<u></u>	•••	•	1. Sid of inglised deality	

ORAM v. 5.0 Field Form Quantitative Rating			Dr-wo	19 203
Site: Middlefield First Energy	Rater(s): m L	, L. B	Date:	5/7/07
Metric 1. Wetland	•			
max 6 pts subtold Select one size class and assign scor >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20 10 to <25 acres (4 to <10.1) 3 to <10 acres (1.2 to <4ha)	0.2ha) (5 pts) ha) (4 pts)	·		
0.3 to <3 acres (0.12 to <1.2 to <0.3 acres (0.04 to <0.1 acres (0.04ha) (0 pts)	2ha) (2pts)			
5 6 Metric 2. Upland	buffers and su	rrounding la	and use.	
max 14 pts. subtotal 2a. Calculate average buffer width. Suffers average 50 mED!UM. Buffers average NARROW. Buffers average VERY NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth or LOW. Old field (>10 years).	Select only one and assign sco m (164ft) or more around wetla 25m to <50m (62 to <164ft) an e 10m to <25m (32ft to <82ft) a iverage <10m (<32ft) around w Select one or double check a older forest, prairie, savannah	ore, Do not double check, and perimeter (7) ound wetland perimeter (4) around wetland perimeter vetland perimeter (0) and average.  a, wildlife area, etc. (7) with forest. (5)	) (1)	
	en pasture, row cropping, mini	_	anow nero. (3)	
10 16 Metric 3. Hydrolo	gy.			
max 30 pts. subtotal 3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface		Part of wella		complex (1)
Perennial surface water (lak 3c. Maximum water depth. Select on	te or stream) (5)	3d. Duration inundation	n/saturation. Score one manently inundated/satu	or dbl check
>0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in)		Regularly inu Seasonally in	indated/saturated (3) nundated (2)	(
\$\frac{15.7in}{2}\$ \$15.7in	c regime. Score one or double		aturated in upper 30cm	(12in) (1)
None or none apparent (12) Recovered (7)	Check all disturbances obs		(nonstofmwater)	
Recovering (3)	tile	filling/grading		
Recent or no recovery (1)	dike weir	road bed/RR dredging	track	
	stormwater input	other		-
8 24 Metric 4. Habitat	Alteration and	Develonme	nt	
max 20 pis. subtotal 4a. Substrate disturbance. Score one		•		
None or none apparent (4) Recovered (3)				
Recovering (2) Recent or no recovery (1)				
4b. Habital development. Select only Excellent (7)	one and assign score.		4.	* 135
Very good (6)				
Good (5) Moderately good (4)				٠
Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or d	iouhla check and average			
None or none apparent (9)	Check all disturbances obs	arved		
Recovered (6) Recovering (3) Recent or no recovery (1)	mowing grazing clearcutting selective cutting	sedimentation dredging	quatic bed removal	
subtotal this page	woody debris removal toxic pollutants	farming nutrient enric	hment	

	)idelle	field-F	1137 Energy	Rater(s): 1m	LyLB	Date: 4/7/0
	24					لن كوع
3	subtotal this pe	1				
<b>O</b>	24	Metri	c 5. Specia	al Wetlands.		
IO pis.	subtotal		hat apply and score as			
		_	Bog (10)			
		□ F	<sup>-</sup> en (10)		·	
			Old growth forest (10)			•
			vieture forested wetland	` •	. •	
				ary welland-unrestricted hydroic	<b>V</b> ,	
			.ake Ene coastai/tributa .ake Plain Sand Prairies	ary wetland-restricted hydrology c (Ook Openings) (10)	(5)	
			Relict Wet Praires (10)	a (com other mitta) (10)		
			• •	a/federal threatened or endange	ered species (10)	
				ngbird/water fowl habital or usa		
				ee Question 1 Qualitative Ratin		1
		] —				-
7	127	Metri	c 6. Plant (	communities, i	nterspersion,	microtopography
0 pls.	Isloidus		nd Vegetation Commun.		nunity Cover Scale	
		Scor <u>e all p</u> r	resent using 0 to 3 scal	e. 0	Absent or comprises <0	).1ha (0.2471 acres) contiguous area
		^	Aquatic bed	1	Present and either com	prises small part of wetland's
			mergent			noderate quality, or comprises a
			Shrub		significant part but is	
			orest Audflats	2		prises significant part of welland's
			nuonaes Open water		part and is of high qui	noderate quality or comprises a small
			Other	3		significant part, or more, of welland's
		- Harrison -	ntal (plan view) Interspe		vegetation and is of h	- ·
		Select only	one.			
		<u>_</u> _	ligh (5)	Narrative Descrip	ction of Vegetation Quality	
			Noderately high(4)	low	1 ''	r predominance of nonnative or
			foderale (3)	<del></del>	disturbance tolerant n	
		<u> </u>	foderately low (2)	mod		il component of the vegetation,
						id/or disturbance tolerant native spp
		— <del>,</del>	OW (1) lone (0)			nd energies disertify moderate to
		<b>⊘</b> N	lone (0)	Refer	can also be present, a	and species diversity moderate to tenerallywio presence of rare
		6c. Covera			can also be present, a	jenerallywio presence of rare
		6c. Covera to Table 1 (	lone (0) ige of invasive plants. I		can also be present, a moderately high, but of threatened or andang	jenerallywio presence of rare
		6c. Covera to Table 1 C or deduct pe	lone (0) ige of invasive plants. I ORAM long form for list	. Addhigh	can also be present, a moderately high, but of threatened or endange.  A predominance of nation	generallyw/o presence of rare ered spp
		6c. Covera to Table 1 C or deduct p	ione (0)  ige of invasive plants. I  ORAM long form for list  oints for coverage  xtensive >75% cover (-  loderate 25-75% cover	. Add high 5) (-3)	can also be present, a moderately high, but of threatened or andang.  A predominance of national and/or disturbance tole absent, and high spp.	generallyw/o presence of rare ered spp re species, with nonnative spp erant native spp absent or virtually diversity and often, but not always,
		6c. Covera to Table 1 Cor deduct p	ione (0)  ge of invasive plants. It  JRAM long form for list  oints for coverage  xtensive >75% cover (-1)  oderate 25-75% cover  parse 5-25% cover (-1)	. Add high (-3)	can also be present, a moderately high, but of threatened or andang.  A predominance of national and/or disturbance tole absent, and high spp.	generallyw/o presence of rare ered spp re species, with nonnative spp erant native spp absent or virtually
		6c. Covera to Table 1 C or deduct p	ione (0)  ige of invasive plants. It  JRAM long form for list  oints for coverage  xtensive >75% cover (-1)  oderate 25-75% cover  parse 5-25% cover (-1)  learly absent <5% cove	. Add high (-3)	can also be present, a moderately high, but of threatened or endanged A predominance of national and/or disturbance tole absent, and high specific presence of rare, to	generallyw/o presence of rare ered spp re species, with nonnative spp erant native spp absent or virtually diversity and often, but not always,
		6c. Coverse to Table 1 Cor deduct p	ione (0)  ige of invasive plants. It  JRAM long form for list  oints for coverage  xtensive >75% cover (-1)  oderate 25-75% cover  parse 5-25% cover (-1)  learly absent <5% cove  bsent (1)	. Add high 5) (-3) or (0) Mudflat and Open	can also be present, a moderately high, but of threatened or endanged A predominance of national and/or disturbance to absent, and high spotthe presence of rare, the Water Class Quality	generallywio presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp
		6c. Coversa to Table 1 C or deduct p	ione (0)  ige of invasive plants. It  DRAM long form for list  oints for coverage  xtensive >75% cover (-1)  cloderate 25-75% cover  parse 5-25% cover (-1)  learly absent <5% cove  bsent (1)  pography.	. Add high 5) (-3) or (0) Mudflat and Open	can also be present, a moderately high, but of threatened or endanged A predominance of national and/or disturbance to labsent, and high spotthe presence of rare, the Water Class Quality  Absent <0.1ha (0.247 a	generallywio presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp
		6c. Covera to Table 1 C or deduct p	ione (0)  ige of invasive plants. It  JRAM long form for list  oints for coverage  xtensive >75% cover (-1)  oderate 25-75% cover  parse 5-25% cover (-1)  learly absent <5% cove  bsent (1)	. Add high	can also be present, a moderately high, but of threatened or endanged A predominance of national and/or disturbance to absent, and high spotthe presence of rare, the Water Class Quality	generallywio presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp icres) to 2.47 acres)
		6c. Covera to Table 1 C or deduct pr M M Si Al 6d. Microto Score all pr	ione (0)  ige of invasive plants. It  DRAM long form for list  oints for coverage  xtensive >75% cover (-1)  loderate 25-75% cover  parse 5-25% cover (-1)  learly absent <5% cove  bsent (1)  pography.  esent using 0 to 3 scale	high  (-3)  or (0)  Mudflat and Open  0  ssucks 2	can also be present, a moderately high, but of threatened or endanged A predominance of national and/or disturbance to labsent, and high spotthe presence of rare, the Water Class Quality  Absent <0.1ha (0.247 a Low 0.1 to <1ha (0.247 a low 0.1 to ) low 0.1 to <1ha (0.247 a low 0.1 to <1ha (0.247 a low 0.1 to ) low 0.1 to <1ha (0.247 a low 0.1 to ) low 0.1 to <1ha (0.247 a low 0.1 to ) low 0.1 to <1ha (0.247 a low 0.1	generallywio presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp ercres) to 2.47 acres) 47 to 9.88 acres)
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		6c. Covera to Table 1 C or deduct por Microto Score all pn	ione (0)  ige of invasive plants. It  DRAM long form for list  oints for coverage  xtensive >75% cover (-1)  loderate 25-75% cover (-1)  learly absent <5% cove  beant (1)  pography.  esent using 0 to 3 scale  igetated hummucks/tu  coarse woody debris >1;	Add high  5) (-3)  r (0)  Mudflat and Open  0  1  ssucks 2  5cm (6in) 3  0in) dbh	can also be present, a moderately high, but of threatened or andang. A predominance of national and/or disturbance to absent, and high spot the presence of rare, the Water Class Quality  Absent <0.1ha (0.247 a Low 0.1 to <1ha (0.247 a High 4ha (9.88 acres) or threatened as a cres) or the control of the co	generallywio presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp ercres) to 2.47 acres) 47 to 9.88 acres)
		6c. Covera to Table 1 C or deduct por Microto Score all pn	ione (0)  ige of invasive plants. It  DRAM long form for list  coints for coverage  xtensive >75% cover (-1)  inderate 25-75% cover (-1)  learly absent <5% cover  ibsent (1)  ipography  essent using 0 to 3 scale  legitated hummucks/fusionsse woody debris >1  tanding dead >25cm (1)	Add high  5) (-3)  r (0)  Mudflat and Oper  0  a. 1  ssucks 2  5cm (6in) 3  0in) dbh  Is Microtopography  0	can also be present, a moderately high, but of threatened or andang. A predominance of national and/or disturbance to labsent, and high spot the presence of rare, to Water Class Quality  Absent <0.1ha (0.247 a Low 0.1 to <1ha (0.247 a Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2.4 High 4ha (9.88 acres) or Cover Scale  Absent	generallywio presence of rare ered spp ve species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp ercres) to 2.47 acres) r more
		6c. Covera to Table 1 C or deduct por Microto Score all pn	ione (0)  ige of invasive plants. It  DRAM long form for list  coints for coverage  xtensive >75% cover (-1)  inderate 25-75% cover (-1)  learly absent <5% cover  ibsent (1)  ipography  essent using 0 to 3 scale  legitated hummucks/fusionsse woody debris >1  tanding dead >25cm (1)	Add high  5) (-3)  r (0)  Mudflat and Open  0  5  5  5  5  5  6  1  5  5  5  6  1  5  6  1  6  Microtopography	can also be present, a moderately high, but of threatened or andang.  A predominance of national and/or disturbance to labsent, and high sport the presence of rare, to water Class Quality  Absent <0.1ha (0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.248 acres) or Cover Scale  Absent  Present very small amore	generallyw/o presence of rare ered spp ve species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp ecres) to 2.47 acres) 47 to 9.88 acres) r more
		6c. Covera to Table 1 C or deduct por Microto Score all pn	ione (0)  ige of invasive plants. It  DRAM long form for list  coints for coverage  xtensive >75% cover (-1)  inderate 25-75% cover (-1)  learly absent <5% cover  ibsent (1)  ipography  essent using 0 to 3 scale  legitated hummucks/fusionsse woody debris >1  tanding dead >25cm (1)	Add high  5) (-3)  r (0)  Mudflat and Open  0  5  ssucks 2  5cm (6in) 3 0in) dbh  Is  Microtopography 0 1	can also be present, a moderately high, but of threatened or andang. A predominance of native and/or disturbance to absent, and high sport the presence of rare, the Water Class Quality  Absent <0.1ha (0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.247 and 0.248 acres) or Cover Scale  Absent  Present very small amond of marginal quality	generallyw/o presence of rare ered spp ve species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, investened, or endangered spp eres) to 2.47 acres) 47 to 9.86 acres) r more
		6c. Covera to Table 1 C or deduct pr M M Gd. Microto Score all pr G C G C	ione (0)  ige of invasive plants. It  DRAM long form for list  oints for coverage  xtensive >75% cover (-1)  loderate 25-75% cover (-1)  learly absent <5% cover  beent (1)  pography  pesent using 0 to 3 scale  legisted hummucks/lus  oarse woody debris >1  tanding dead >25cm (1)  mphibian breeding pool	Add high  (-3)  or (0)  Mudflat and Open  0  e. 1  ssucks 2  5cm (6in) 3  0in) dbh  Is Microtopography  0  1	can also be present, a moderately high, but of threatened or andang. A predominance of national and/or disturbance to labsent, and high spot the presence of rare, the Water Class Quality  Absent <0.1ha (0.247 and 1.0 and 1	generallyw/o presence of rare ered spp re species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp eres) to 2.47 acres) r more unts or if more common
C	aten	6c. Covera to Table 1 C or deduct pr M M Gd. Microto Score all pr G C G C	ione (0)  ige of invasive plants. It  DRAM long form for list  coints for coverage  xtensive >75% cover (-1)  inderate 25-75% cover (-1)  learly absent <5% cover  ibsent (1)  ipography  essent using 0 to 3 scale  legitated hummucks/fusionsse woody debris >1  tanding dead >25cm (1)	Add high  (-3)  or (0)  Mudflat and Open  0  e. 1  ssucks 2  5cm (6in) 3  0in) dbh  Is Microtopography  0  1	can also be present, a moderately high, but of threatened or andang. A predominance of national and/or disturbance to labsent, and high spot the presence of rare, the Water Class Quality  Absent <0.1ha (0.247 and 1.0 and 1	generallyw/o presence of rare ered spp we species, with nonnative spp erant native spp absent or virtually diversity and often, but not always, threatened, or endangered spp eres) to 2.47 acres) 47 to 9.88 acres) or more  unts or if more common

••...

Site	:Wid	dle <del>Ç</del> i	eld-First Energy Rater(s): ML.L.B	Date: 517/07
0	. (	2	Metric 1. Wetland Area (size).	W-202 A
max 6	pts. sub		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)	class 29's
1	1		Metric 2. Upland buffers and surrounding k	and use.
snax 14	g p1s. sub		2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)  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 VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, tenced pasture, park, conservation tillage, new HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)	4) - (1)
1	1 1	<u>)</u>	Metric 3. Hydrology.	
max 30	pls. sub		Percipitation (1)  Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5)  Maximum water depth. Select only one and assign score.  >0.7 (27.6in)-(3)  0.4 to 0.7m (15.7 to 27.6in) (2)	odplain (1) ream/lake and other human use (1) and/upland (e.g. forest), complex (1) ian or upland corridor (1) ion/saturation. Score one or dbl check. rmanently inundated/saturated (4) undated/saturated (3) inundated (2) saturated in upper 30cm (12in) (1) e (nonstormwater) g R track
9	12		Metric 4. Habitat Alteration and Developme	nt.
так 20	pis. subi	4	a. Substrate disturbance. Score one or double check and average.  None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  Habitat development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  Labitat alteration. Score one or double check and average.	
	2.	7	None or none apparent (9)  Recovered (6)  Check all disturbances observed mowing shrub/sapling	Aquetic bed removal

	<u>indale</u>	Freit First Energy	Rater(s): M L	LB	Date: 4/7/-07
50	2]	<u> </u>	·	,	·
0	2	Metric 5. Special V	Vetlands.		
max 10 pts.	subtotal	Check all that apply and score as indicate			
THE TV PS	300,000	Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wet Lake Erie coastal/tributary wet Lake Plain Sand Prairies (Oak Retict Wet Praires (10) Known occurrence state/feder Significant migratory songbirds Category 1 Wetland. See Que	tland-unrestricted hydrology tland-restricted hydrology (5 c Openings) (10) ral threatened or endangered fwater fowl habitat or usage	d species (10) (10)	
1	22	]	٠,		otonomenhy
	***************************************	Metric 6. Plant con	=	•	otopograpny.
mex 20 pts.	sublotal	6a. Wetland Vegetation Communities.  Score all present using 0 to 3 scale.	Vegetation Commun	Absent or comprises < 0.1ha (0.2	A71 acres) continuous area
		Aquatic bed	1	Present and either comprises an	
		Emergent	•	vegetation and is of moderate	
		2 Shrub		significant part but is of low qu	• • • • • • • • • • • • • • • • • • • •
		Forest	2	Present and either comprises sig	
		Mudflats		vegetation and is of moderate	quality or comprises a small
		Open water		part and is of high quality	
		Other	3	Present and comprises significal	nt part, or more, of wetland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high qualit	у
		Select only one.			
		High (5)	Narrative Description	on of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predom	
		Moderate (3)		disturbance tolerant native spe	···
		Moderately low (2)	mod	Native spp are dominant compor	_
				والمراقب	urbance tolerant native 500
		Low (1)		although nonnative and/or distr	
		Nane (0)		can also be present, and speci	es diversity moderate to
		None (0) 6c. Coverage of invasive plants. Refer		can also be present, and speci moderately high, but generally	es diversity moderate to w/o presence of rare
		None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add		can also be present, and speci moderately high, but generally threatened or endangered spp	ies diversity moderate to w/o presence of rare
		None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie	ies diversity moderate to w/o presence of rare
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)		can also be present, and speci moderately high, but generally threatened or endangered spp	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)  Moderate 25-75% cover (-3)	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatene	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-1)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.	high Hiftens	can also be present, and specimoderately high, but generally threatened or endangered spp.  A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatened attent.  Absent <0.1ha (0.247 acres)	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-1)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.	high  Mudflat and Open W  0 1	can also be present, and specimoderately high, but generally threatened or endangered spp.  A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatened attention of the control o	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not stways, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-76% 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	Mudflat and Open W	can also be present, and specimoderately high, but generally threatened or endangered spp.  A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatened attention of the control o	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussucka	Mudflat and Open Vi  0  1  s 2  6in) 3	can also be present, and specimoderately high, but generally threatened or endangered spp.  A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatened attention of the control o	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussuckate Coarse woody debris >15cm (6)  Standing dead >25cm (10in) did	Mudflat and Open W  0 1 s 2 6in) 3	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant absent, and high spp diversity the presence of rare, threatened attended to the control of the	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussucka	Mudflat and Open Vi  0 1 s 2 6in) 3 bh Microtopography Co	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native special and/or disturbance tolerant absent, and high spp diversity the presence of rare, threatened attended to the control of the	ies diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussuckate Coarse woody debris >15cm (6)  Standing dead >25cm (10in) did	Mudflat and Open W  0 1 s 2 6in) 3 bh  Microtopography Co	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant absent, and high spp diversity the presence of rare, threatened attention of the control of the	nes diversity moderate to who presence of rare es, with nonnative spp ive spp absent or virtually and often, but not atways, ed, or endangered spp eres)
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussuckate Coarse woody debris >15cm (6)  Standing dead >25cm (10in) did	Mudflat and Open Vi  0 1 s 2 6in) 3 bh Microtopography Co	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity line presence of rare, threatened attended to the control of	nes diversity moderate to who presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ed, or endangered spp eres)
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussuckate Coarse woody debris >15cm (6)  Standing dead >25cm (10in) did	Mudflat and Open Vi  0 1 2 8in) 3 bh Microtopography Co	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natiabsent, and high spp diversity the presence of rare, threatened attended to the control of	nes diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)
	1	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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/tussucka  Coarse woody debris >15cm (6)  Standing dead >25cm (10in) di  Amphibian breeding pools	Mudflat and Open W  0 1 s 2 6in) 3 bh  Microtopography Co	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natiabsent, and high spp diversity the presence of rare, threatened absent <0.1 ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 at Moderate 1 to <4ha (2.47 to 9.8) High 4ha (9.88 acres) or more over Scale  Absent  Present very small amounts or if of marginal quality  Present in moderate amounts, but threatened and the second control of the second cont	nes diversity moderate to w/o presence of rare es, with nonnative spp ive spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)
Car	<del>L</del> ego,	None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1) You Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Ovegetated hummucks/tussuckate Coarse woody debris >15cm (6)  Standing dead >25cm (10in) did	Mudflat and Open Vi  0 1 2 8in) 3 bh Microtopography Co	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natiabsent, and high spp diversity the presence of rare, threatened attended to the control of	nes diversity moderate to who presence of rare es. with nonnative spp ive spp absent or virtually and often, but not always, ed. or endangered spp eres)  B acres)  more common ut not of highest eighest quality

Site:	Middl	efidd-First Energy Rater(s): Matt Lauffer, Larry Date: 5/7/07
2	2	Metric 1. Wetland Area (size). アルー201
max 6 pis	subtolal	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)
9	11	Metric 2. Upland buffers and surrounding land use.
max 14 pls.	subtotal	2a. Calculate average buffer width. Select only one and essign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (?)  WEDIUM. 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)  2b. Intensity of surrounding land use. Select one or double check and average.
	<b>T</b>	VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  5 LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
142		Metric 3. Hydrology.
max 30 pts.	<del>3</del> ubtotat	3a. Sources of Water. Score all that apply.    High pH groundwater (5)   100 year floodplain (1)   100 year floodplain (1)
	9 <u>F</u>	Check all disturbances observed
14/2	40	Metric 4. Habitat Alteration and Development.
max 20 pts.	sublotel	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) Very good (6) Good (5) H Moderately good (4) Fair (3) Poor to fair (2)
	ጉ.	4c. Habitat alteration. Score one or double check and average.    A None or none apparent (9)   Check all disturbances observed
	40	Recovering (3) Recent or no recovery (1) Rec

e: Midi	llefield First Energy 1	Rater(s): M. Lau	ffer, L. Brewer	Date: 511(0.7)
4C subtotal this	nage		ML-20	
110	Metric 5. Special W	etlands.	T 25	11/1
O płs. subiotel	Check all that apply and score as indicated		- Long	1-1-1-1
	Bog (10)		of	
	Fen (10)		) '	A state or the second s
	Old growth forest (10)		<u> </u>	
	Mature forested wetland (5)		anom.	The same of the sa
	Lake Erie coestal/tributary wetla		10)	~~
	Lake Erie coastal/tributary wetta	-		and the second
	Lake Plain Sand Prairies (Oak C Relict Wet Praires (10)	ipenings) (10)		
	Known occurrence state/federal	threatened or endangered	species (10)	
	Significant migratory songbird/wa			
	Category 1 Wetland. See Quest			
		•	-	
.   51	_Metric 6. Plant com	munities, int	erspersion, mic	crotopography.
1) pts. subtotei	6a. Wetland Vegetation Communities.	Vegetation Communi		
	Score all present using 0 to 3 scale.	0		0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises	
	2 Emergent		vegetation and is of modera	
	2_Shrub		significant part but is of low	quality
	Forest	2	Present and either comprises	significant part of wetland's
	Muditats		vegetation and is of modera	te quality or comprises a small
	Open water		pert and is of high quality	
	Other	3	· · ·	cant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion. Select only one.		vegetation and is of high qu	ality
	<del></del>	Marratius Deservation	at Vanatation Auglit.	
	High (5)		of Vegetation Quality	ominance of nonnative or
	High (5) Moderately high(4)	Narrative Description low	Low spp diversity and/or pred	
	High (5)			species
	High (5) Moderately high(4) Moderate (3)	low	Low spp diversity and/or pred disturbance tolerant native : Native spp are dominant com	species
	High (5) Moderately high(4) Moderate (3) Moderately low (2)	low	Low spp diversity and/or pred disturbance tolerant native : Native spp are dominant com	species ponent of the vegetation, listurbance tolerant native spp
	High (5) Moderately high(4) Moderately fow (2) Low (1) None (0)  C. Coverage of invasive plants. Refer	low	Low spp diversity and/or pred disturbance tolerant native : Native spp are dominant com although nonnative and/or of	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to
	High (5) Moderately high(4) Moderately fow (2) Low (1) None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	low	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant com although nonnative and/or of can also be present, and sp moderately high, but general threatened or endangered s	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to altywio presence of rare pp
	High (5) Moderately high(4) Moderately flow (2) Low (1) None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	low	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant com although nonnative and/or can also be present, and sp moderately high, but general threatened or endangered s A predominance of native spe	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to altywio presence of rare pp cies, with nonnative spp
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5)	low	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant com although nonnative and/or can also be present, and sp moderately high, but general threatened or endangered stapped and/or disturbance toterant.	species ponent of the vegetation, listurbance tolerant native spp acties diversity moderate to altywo presence of rare pp cies, with nonnative spp native spp absent or virtually
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	low	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant come although nonnative and/or of can also be present, and spp moderately high, but general threatened or endangered stand/or disturbance toterant absent, and high spp diverse	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to allywlo presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always,
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	low	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant com although nonnative and/or can also be present, and sp moderately high, but general threatened or endangered stapped and/or disturbance toterant.	species ponent of the vegetation, listurbance tolerant native spp acies diversity moderate to altywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always,
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	low	Low spp diversity and/or pred disturbance tolerant native: Native spp are dominant come although nonnative and/or or can also be present, and specific moderately high, but generative attended or endangered stand/or disturbance tolerant absent, and high spp divers the presence of rare, threatened.	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to allywlo presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always,
	High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)	low mod	Low spp diversity and/or pred disturbance tolerant native: Native spp are dominant come although nonnative and/or or can also be present, and specific moderately high, but generative attended or endangered stand/or disturbance tolerant absent, and high spp divers the presence of rare, threatened.	species ponent of the vegetation, listurbance tolerant native spp acies diversity moderate to altywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always,
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0)  Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.	iow mod high Mudflat and Open Wa	Low spp diversity and/or pred disturbance tolerant native: Native spp are dominant come although nonnative and/or or can also be present, and specific moderately high, but generative attended or endangered is a predominance of native speciand/or disturbance tolerant absent, and high spp diversitive presence of rare, threatenter Class Quality	species ponent of the vegetation, listurbance tolerant native spp ecies diversity moderate to allywlo presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp
	High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	Mudflat and Open Wa	Low spp diversity and/or pred disturbance tolerant native:  Native spp are dominant come although nonnative and/or of can also be present, and specific moderately high, but generative attended or endangered stand/or disturbance tolerant absent, and high spp diversithe presence of rare, threatester Class Quality  Alpsent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.44 Moderate 1 to <4ha (2.47 to 2.44 Moderate 1 to <4ha (2.	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to allywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 3.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa	Low spp diversity and/or pred disturbance tolerant native:  Native spp are dominant come although nonnative and/or of can also be present, and specific moderately high, but generative threatened or endangered search and/or disturbance tolerant absent, and high spp diversitie presence of rare, threatened atter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.4)	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to allywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 3.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately fow (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa	Low spp diversity and/or pred disturbance toterant native: Native spp are dominant come although nonnative and/or can also be present, and spe moderately high, but general threatened or endangered sepand/or disturbance toterant absent, and high spp divers the presence of rare, threatened or endangered sepand/or disturbance toterant absent, and high spp divers the presence of rare, threatened or endangered sepandor (0.247 acres).  Low 0.1 to <1ha (0.247 to 2.4 Moderate 1 to <4ha (2.47 to 3.4 High 4ha (9.88 acres) or more	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to allywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 3.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa  O  1  2  3  Microtopography Cov	Low spp diversity and/or pred disturbance toterant native:  Native spp are dominant come although nonnative and/or can also be present, and specific moderately high, but generate threatened or endangered search and/or disturbance toterant absent, and high spp diversithe presence of rare, threatened of rative specific moderate (0.247 acres).  Low 0.1 to <1ha (0.247 to 2.4 Moderate 1 to <4ha (0.247 to 3.4 High 4ha (9.88 acres) or more care Scale.	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to allywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 3.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately fow (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	Low spp diversity and/or pred disturbance tolerant native:  Native spp are dominant come although nonnative and/or can also be present, and specified in threatened or endangered stand/or disturbance tolerant absent, and high spp divers the presence of rare, threatened or endangered stand/or disturbance tolerant absent, and high spp divers the presence of rare, threatened of the can be considered as the case of	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to itlywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 9.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately fow (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa  O  1  2  3  Microtopography Cov	Low spp diversity and/or pred disturbance toterant native:  Native spp are dominant come although nonnative and/or of can also be present, and specified in the although nonnative and/or of can also be present, and specified in the although high, but generate threatened or endangered is and/or disturbance of native specified in the present and high spp diversity absent, and high spp diversity absent (0.247 acres).  Low 0.1 to <1ha (0.247 to 2.4 Moderate 1 to <4ha (2.47 to 3.4 Mo	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to itlywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 9.88 acres)
	High (5)  Moderately high(4)  Moderately high(4)  Moderately fow (2)  Low (1)  None (0)  Bc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir	Mudflat and Open Wa  O  1  2  3  Microtopography Cov	Low spp diversity and/or pred disturbance toterant native:  Native spp are dominant come although nonnative and/or of can also be present, and specified in the attention of the present of antive specified in the attention of the present of the presence of rare, threatened or endangered search of the presence of rare, threatened of the presence of rare, threatened of the presence	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to itlywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 8 8 acres)
	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Gd. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummacks/tussucks Coarse woody debris >15cm (6ir Costanding dead >25cm (10in) dbh Amphibian breeding pools	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	Low spp diversity and/or pred disturbance toterant native:  Native spp are dominant come although nonnative and/or can also be present, and specific moderately high, but generative attended or endangered search and/or disturbance toterant absent, and high spp diversithe presence of rare, threatester 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 3.4 High 4ha (9.88 acres) or more cer Scale  Absent  Present very small amounts of marginal quality  Present in moderate amounts	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to itlywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 9.88 acres)
allegon   GRAN	High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Gd. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummacks/tussucks Coarse woody debris >15cm (6ir Costanding dead >25cm (10in) dbh Amphibian breeding pools	Mudflat and Open Wa  O  1  2  3  Microtopography Cov	Low spp diversity and/or pred disturbance toterant native:  Native spp are dominant come although nonnative and/or of can also be present, and specified in the attention of the present of antive specified in the attention of the present of the presence of rare, threatened or endangered search of the presence of rare, threatened of the presence of rare, threatened of the presence	species ponent of the vegetation, iisturbance tolerant native spp ecies diversity moderate to itlywio presence of rare pp cies, with nonnative spp native spp absent or virtually ity and often, but not always, ened, or endangered spp 7 acres) 8 8 acres) 6 if more common

2AM v 5.8 Field For	m Quantitative Rating			810W-19
	efidd-First Energy	Rater(s): Matt	Lauffer, Jamy	Date: S/9/07
2 2	Metric 1. Wetland	•	<i>y</i> 0.0	mL-201
nax 6 pts subtolal	>50 acres (>20.2ha) (6 pts) >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20 10 to <25 acres (4 to <10.1h 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 <0.2 <0.1 acres (0.04ha) (0 pts)	.2ha) (5 pts) a) (4 pts) (3 pts) ha) (2pts)		
9 11	Metric 2. Upland I	ouffers and sur	rounding land	use.
ax t4 pis subtolal	MEDIUM. Buffers average 2 NARROW. Buffers average VERY NARROW. Buffers average 2b. Intensity of surrounding land use.	(164ft) or more around wetlant Sm to <50m (82 to <164ft) arou 10m to <25m (32ft to <82ft) ar verage <10m (<32ft) around we Select one or double check ar older forest, prairie, savannah.	I perimeter (7)  Ind wetland perimeter (4)  Sund wetland perimeter (1)  Illand perimeter (0)  Id average.  Wildlife area, etc. (7)	
	MODERATELY HIGH. Resi		onservation tillage, new fallow fiel	d. (3)
	Metric 3. Hydrolog		3b. Connectivity. Score all tha	t analy
ix 30 pts. subtotal	High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface	a water (3)	100 year floodplain (1  Between streamflake Part of wetlandfupterw Part of riparian of upit	) and other human use (1) d (e.g. forest), complex (1) and corridor (1)
	Perennial surface water (lake 3c. Maximum water depth. Select only >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1) <0.4m (<15.7in) (1) 3e. Modifications to natural hydrologic	y one and assign score. 2)	Regularly inundated/s Seasonally inundated Seasonally saturated	inundated/saturated (4) aturated (3)
9 <u>1</u>	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances obse ditch tile dike weir stormwater input	point source (nonstore filling/grading road bed/RR track dredging other	Tiwaler)
4' <del>-</del> 40	Metric 4. Habitat A	Literation and l	Development.	·
ix 20 pts. gubiotal	4a. Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Ab. Habitat development. Select only Excellent (7) Very good (6)	or double check and average.	·	
	Good (5)  Moderately good (4)  Feir (3)  Poor to fair (2)  Poor (1)  4c. Habitat alteration. Score one or do			
<u>ਾ</u>	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances obse	shrub/sapting removal herbaceous/aquatic bi sedimentation	ii ii
40 subtotal this pag		Selective cutting woody debris removal texic pollutants	dredging farming nutrient enrichment	

Site:	Midd	lefield First Energy	Rater(s): M. Lau	iffer, L. Brewer	Date: 517(6.7)
	40 subtotal this pa		·	ML-201	
^	40	Metric 5. Special V	Vetlands.	29	for ful for
max 90 pts	3ubto461	Check all that apply and score as indicat  Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetl Lake Plain Sand Prairies (Oak Retict Wet Praires (10) Known occurrence state/federa Significant migratory songbird/ Category 1 Wetland. See Que	and-unrestricted hydrology (5) and-restricted hydrology (5) Openings) (10) al threatened or endangered water fowl habitat or usage (	species (10) (10)	
11	51	Metric 6. Plant con	*	•	otopography.
max 20 pts	Subsolet	6a. Wetland Vegetation Communities	Vegetation Communi		
		Score all present using 0 to 3 scale.	0	Absent or comprises < 0.1ha (0.2	471 acres) contiguous area
		Aquatic bed	1	Present and either comprises ST	all part of wetland's
		2 Emergent		vegetation and is of moderate	quality, or comprises a
		2 Shrub	<u></u>	significant part but is of low qui	ality
		Forest	2	Present and either comprises sig	nificant part of wetland's
		Mudflats		vegetation and is of moderate	quality or comprises a small
		Open water		part and is of high quality	
		Other	3	Present and comprises significar	nt part, or more, of wetland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high quality	y
		Select only one.	<u>-</u>		
		High (5)	Narrative Description	o of Vegetation Quality	
		Moderately high(4)	low	Low app diversity and/or predom	inance of nonnative or
		Moderate (3)		disturbance tolerant native spe	cles
		Moderately low (2)	mod	Native spp are dominant compor	ent of the vegetation,
		Low (1)		although nonnative and/or disti	rbance tolerant native spp
		None (0)		can also be present, and speci-	es diversity moderate to
		6c. Coverage of invasive plants. Refer		moderately high, but generally	vio presence of rare
		to Table 1 ORAM long form for list. Add		threatened or endangered app	
		or deduct points for coverage	high	A predominance of native specie	s, with nonnative spp
		Extensive >75% cover (-5)		and/or disturbance tolerant nati	
		Moderate 25-75% cover (-3)		absent, and high spp diversity :	and often, but not always,
		Sparse 5-25% cover (-1)		the presence of rare, threatene	d, or endangered spp
		Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open Wa	ater Class Quality	
		6d. Microlopography.	0	Absent < 0.1ha (0.247 acres)	<del> </del>
		Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 ac	ores)
		O Vegetated hummucks/tussucks		Moderate 1 to <4ha (2.47 to 9.88	
		Coarse woody debris >15cm (6		High 4he (9.88 acres) or more	
		O Standing dead >25cm (10in) db	·		
		2 Amphibian breeding pools	Microtopography Cov	ver Scale	
		Party and an analysis and an a	0	Absent	· · · · · · · · · · · · · · · · · · ·
			1	Present very small amounts or if	more common
			•	of marginal quality	
			2	Present in moderate amounts, bu	t not of highest
			۷.	quality or in small amounts of h	
					· · · · · · · · · · · · · · · · · · ·
۱، مر		T	2	Present in moderate or greater at	mounts
<u>Carl</u>	2901V	II	3	Present in moderate or greater at and of highest quality	nounts

Pr-WOB

	Site:	middle	eticul-First Energy	Rater(s): ML, LB	Date:	5/8/07
	2	2~	Metric 1. Wetland	Area (size).	4-2	18
	max 6 pts.	subtotel	Select 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  3 to <10 acres (1.2 to <4ha)  2.0.3 to <3 acres (0.12 to <1.2  0.1 to <0.3 acres (0.04 to <0  <0.1 acres (0.04ha) (0 pts)	2ha) (5 pts) a) (4 pts) (3 pts) ha) (2pts)		•
	9	<i>I</i> }	Metric 2. Upland I	ouffers and surro	unding land use.	
,	max 14 pis.	sublatel	2a. Calculate average buffer width. Si WIDE. Buffers average 50m WIDE. Buffers average 2 NARROW. Buffers average VERY NARROW. Buffers average very NARROW. Buffers average very LOW. 2nd growth or or CLOW. Old field (>10 years). MODERATELY HIGH. Resident	elect only one and assign score. Do a (164ft) or more around wetlend perint 5m to <50m (82 to <164ft) around we 10m to <25m (92ft to <82ft) around wetland p erage <10m (<32ft) around wetland p	not double check. neter (7) stland perimeter (4) vetland perimeter (1) perimeter (0) rage. varea, etc. (7) st. (5) ation tillage, new fallow field. (3)	
į	기는		Metric 3. Hydrolog			
	тех 30 pts.	subtotal	3a. Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (fake 3c. Maximum water depth. Select only >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (3) (	water (3) or stream) (5) one and assign score.	Connectivity. Score all that apply.  100 year floodplain (1)  Between streamlake and other hum  Part of wetland/upland (e.g. forest), ( Part of riparian or upland corridor (1)  Duration inundation/saturation. Score onit  Semi- to permanently inundated/saturated (3)  Seasonally inundated/saturated (3)  Seasonally saturated in upper 30cm and average.  point source (nonstormwater)  filling/grading  road bed/RR track  dredging  other	complex (1) e or dbl check. urated (4)
	9	31=	Metric 4. Habitat A		valonment	
ľ	max 20 pts.	subiotal	4a. Substrate disturbance. Score one  None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  4b. Habital development. Select only (1)  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  4c. Habital alteration. Score one or do  None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	or double check and average. one and assign score.	shrub/sapling removal herbaceous/aquatic bed removal	
)	)	312		salective cutting woody debris removal toxic pollutants	dredging  farming nutrient enrichment	· · · · · · · · · · · · · · · · · · ·

te: k	Mudd	efield-First Energy F	Rater(s): h L	, LB Date: 5/8/0
•		1		W-218
	717	1		w= 216
		_		•
	sublotal this pa	90		·
}	31=	Matric P. Commission	-41	
		Metric 5. Special W	etianos.	
10 pts.	subtotat	Check all that apply and score as indicated	in.	
		Bog (10)	-	
		Fen (10)		
		Old growth forest (10)		
	-	Mature forested wetland (5)  Lake Erie coastal/tributary wetlan		
		Lake Erie coastal/tributary wetten		
		Lake Plain Sand Prairies (Oak Op	• • • •	<b>?</b>
		Relict Wet Praires (10)		
		Known occurrence state/federal ti	hreatened or endangers	d species (10)
		Significant migratory songbird/wa	ter fowi habitat or usage	(10)
	_	Category 1 Wetland. See Questin	on 1 Qualitative Rating	(-10)
7	382	Blothic C Dlant		4
<u>'                                     </u>	707			terspersion, microtopograph
20 pts.	subtotal	6a. Wetland Vegetation Communities.	Vegetation Commu	
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous an
		Aquatic bed Temergent	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
		2 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 sm
		Open water	<u> </u>	part and is of high quality
		Other	3	Present and comprises significant part, or more, of wetland
		6b. horizontal (plan view) Interspersion.	<del></del>	vegetation and is of high quality
		Select only one.		- Alternative Constitution
		High (5) Moderately high(4)	Narrative Description	on of Vegetation Quality  Low spp diversity and/or predominance of nonnative or
		Moderate (3)	(UW	disturbance tolerant native species
		Moderately low (2)	mod	Native spp are dominant component of the vegetation,
		Low (1)		although nonnative and/or disturbance tolerant native sp
		None (ð)	* * * * * * * * * * * * * * * * * * * *	can also be present, and species diversity moderate to
		6c. Coverage of invasive plants. Refer-	,	moderately high, but generallywlo presence of rare
		to Table 1 ORAM long form for list. Add		threatened or endangered spo
		or deduct points for coverage	high	A predominance of native species, with nonnative spp
		Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
		Moderate 25,75% cover (-3)		sheet and high son diversity and often but not always
		Moderate 25-75% cover (-3) Sparse 6-25% cover (-1)		absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
		Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)		absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
		Sparse 5-25% cover (-1)	Mudflat and Open V	the presence of rare, threatened, or endangered app
		Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	Mudflat and Open V	the presence of rare, threatened, or endangered app
		Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.	0 1	### the presence of rare, threatened, or endangered app  ##################################
		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	0 1 2	### Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
		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)	0 1 2	### the presence of rare, threatened, or endangered app  ##################################
		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 2 3	the presence of rare, threatened, or endangered app  Vater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		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)	0 1 2 3 Microtopography C	the presence of rare, threatened, or endangered app  Vater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		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 2 3	the presence of rare, threatened, or endangered app  Vater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		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 Amphibian breeding pools	0 1 2 3 Microtopography Co	the presence of rare, threatened, or endangered app  Vater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  over Scale  Absent
		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 Amphibian breeding pools	0 1 2 3 Microtopography Co	### the presence of rare, threatened, or endangered app  ##################################
•		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 Amphibian breeding pools	0 1 2 3 Microtopography Co	### Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Over Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality
- an	feaan	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 Amphibian breeding pools	0 1 2 3 Microtopography Co	### the presence of rare, threatened, or endangered app  ##################################

Site: Midd	lefield-Frist Energy	Rater(s): ML, LR	Date: 5/8/0)
	1		
1:	Metric 1. Wetlan	d Area (size).	mew-217
max 6 pts. Subtotal	Select one size class and assign so:  >50 acres (>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 <4h 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)	s) 20.2ha) (5 pts) 1ha) (4 pts) a) (3 pts) .2ha) (2pts) <0.12ha) (1 pt)	
9 10	Metric 2 Unland	buffers and surround	ling land uso
max 14 pts. subtotal	<b>-</b> -	Select only one and assign score. Do not do:	_
·	WADE. Buffers average 50 WEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers 2b. Intensity of surrounding land use VERY LOW. 2nd growth of S. LOW. Old field (>10 years MODERATELY HIGH. Re	om (164ft) or more around wetland perimeter ( a 25m to <50m (82 to <164ft) around wetland a ge 10m to <25m (32ft to <82ft) around wetland average <10m (<32ft) around wetland perimet a. Select one or double check and average, or older forest, prairie, savannah, wildlife area, b) shrubland, young second growth forest. (5) sidential, fenced pasture, park, conservation to pen pasture, row cropping, mining, construction	7) Derimeter (4) If perimeter (1) Ier (0)  etc. (7) Illage, new fallow field. (3)
17 35	Metric 3. Hydrold	ogy.	
max 30 pts. subtotal	3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfa Sc. Maximum water depth, Select o >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (	ice water (3) ike or stream) (5) inly one and assign score.  (2) ic regime. Score one or double check and average in the street	ctivity. Score all that apply.  00 year floodplain (1) etween stream/lake and other human use (1) art of wetland/upland (e.g. forest), complex (1) art of riparian or upland corridor (1) on inundation/saturation. Score one or dbi check. emi- to permanently inundated/saturated (4) egularly inundated/saturated (3) easonally inundated (2) easonally saturated in upper 30cm (12in) (1) erage.
	Recovered (7) Recovering (3) Recent or no recovery (1)	tite fil	cint source (nonstormwater) ling/greding lad bed/RR track redging ther_Old farm freld
7 29		Alteration and Develo	pment.
mex 20 pts. subjetal	4a. Substrate disturbance. Score or None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select onl Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or	y one and assign score.	
29 subblat files pa	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	arub/sapling removal erbaceaus/aquatic bed removal edimentation edging ming utrient enrichment

Site:	middl	cfield	-First Energy	Rater(s): m L , L	B Date: 5/8/07
		7	-,	,	mL-217
	29				
	subtotal this pa	age			
_	20	 			
<u>U</u>	58		ric 5. Special V		
10 pis.	subtotal	Check at	I that apply and score as indicate	ed.	
		-	Bog (10) Fen (10)	•	
		<u> </u>	Old growth forest (10)		
			Mature forested wetland (5)	•	-
			Lake Erie coastal/tributary wett		0)
			Lake Erie coastal/Iributary welf		·
		<del> </del>	Lake Plain Sand Prairies (Oak) Relict Wet Prairies (10)	Openings) (30)	
			Known occurrence state/federal	I threatened or endangered s	ipecies (10)
			Significant migratory songbird/v	-	• • •
	·	_ L	Category 1 Wetland. See Quet	stion 1 Qualitative Rating (-10	))
7	12.	B# -4.	de C. Diesek e ess		
	ادرا				erspersion, microtopography.
ax 20 pts.	Sebiotal		and Vegetation Communities.	Vegetation Communit	
		30016 811	present using 0 to 3 scale. Aquatic bed	0	Absent or comprises <0.1ha (0.2471 acres) conliguous area Present and either comprises small part of welland's
			Emergent	•	vegetation and is of moderate quality, or comprises a
			Shrub		significant part but is of low quality
		ļ	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	Present and comprises significant part, or more, of wetland's
		6b. horiz	ontal (plan view) Interspersion.	-	vegetation and is of high quality
		Select on		<del></del>	
			High (5)	Narrative Description	
		-	Moderately high(4) Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
			Moderately low (2)	mod	Native spp are dominant component of the vegetation,
			Low (1)		although nonnative and/or disturbance tolerant native spp
		. ර	None (0)	• .	can also be present, and species diversity moderate to
			rage of invasive plants. Refer		moderately high, but generallywio presence of rare
			ORAM long form for list. Add points for coverage	high	threatened or endangered spp A predominance of native species, with nonnative spp
			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
•		·H	Nearly absent <5% cover (0) Absent (1)	Mudflat and Open Wat	nr Clase Augliku
		6d. Micro	dopography.	0	Absent <0.1ha (0.247 acres)
		Score all	present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
		Ш	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
			Coarse woody debris >15cm (6)	النظام المستقد	High 4ha (9.88 acres) or more
		<del>     </del>	Standing dead >25cm (10in) dbl Amphibian breeding pools	n Microtopography Cove	er Scale
				0	Absent
				1	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
C	4000	, 74-	_	3	Present in moderate or greater amounts
~~~	tegon	سك ن	•		and of highest quality

Site:	middle	Field-First Energy F	Rater(s): ML	Date: 5/9/07
	l l	Metric 1. Wetland A	rea (size).	Wetland-219
max 6 pls.	subtotal	Select one size class and assign score.  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.1 to <20.2ha)  10 to <25 acres (4 to <10.1ha) (4  3 to <10 acres (1.2 to <4ha) (3 pt  0.3 to <3 acres (0.12 to <1.2ha) (4  0.1 to <0.3 acres (0.04 to <0.12ha)  <0.1 acres (0.04ha) (0 pts)	pts) s) 2pts)	
9	10	Metric 2. Upland but	ffers and surro	unding land use.
Max 14 pls.	subtatal	2a. Calculate average buffer width. Select WIDE. Buffers average 50m (164 WIDE. Buffers average 50m (164 WIDE. Buffers average 25m to NARROW. Buffers average 10m VERY NARROW. Buffers average 2b. Intensity of surrounding land use. Select VERY LOW. 2nd growth or older CLOW. Old field (>10 years), shruld MODERATELY HIGH. Residentiti HIGH. Urben, industrial, open pa	only one and assign score. Do fift) or more around wetland perion <50m (82 to <164ft) around we to <25m (82ft to <62ft) around to <10m (<32ft) around wetland ext one or double check and averforest, prairie, savannah, wildlift bland, young second growth foreal, fenced pasture, park, conser	not double check. meter (7) etland perimeter (4) wetland perimeter (1) perimeter (0) erage. e area, etc. (7) est. (5) vation tillage, new fallow field. (3)
1172	38	Metric 3. Hydrology		
max 30 pts.	subicial	3a. Sources of Water. Score all that apply.  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water Perennial surface water (take or s 3c. Maximum water depth. Select only one >0.7 (27.6in) (3)  0.4 to 0.7m (15.7 to 27.6in) (2) <ol> <li>&lt;0.4m (&lt;15.7in) (1)</li> <li>Modifications to natural hydrologic regin</li> </ol>	er (3) tream) (5) 3d. and assign score.	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)   Duration inundation/saturation. Score one or dol check.   Semi- to permanently inundated/saturated (4)   Regularly inundated/saturated (3)   Seasonally inundated (2)   Seasonally saturated in upper 36cm (12in) (1)   and average.
	9	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	heck all disturbances observed ditch tille dike weir stormwater input	point source (nonstormwater) filling/grading road bed/RR track dredging other
8	36	Metric 4. Habitat Alt	eration and De	velopment.
MBX 20 pts.	sub total	4a. Substrate disturbance. Score one or do None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one a Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double	ouble check and average. and assign score.	
	36 John (a) this page	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	neck all disturbances observed mowing grazing clearcutting selective cutting woody debris removal toxic pollutents	shrub/sepling removal herbaceous/aquatic bed removal sedimentation dredging farming nutrient enrichment

Site:	mid	distield	Rater(s): ML, L	B	Date: 5/9/07
<u> </u>	34 subsidial this pa	90			
0	34-	Metric 5. Special V	lotlands		
max 10 pts.	subtotal	Check all that apply and score as indicated			
max to pis.	SUDDOWN	Bog (10)	<b>9</b> U.		
		Fen (10)	•	•	•
		Old growth forest (10)			
		Mature forested wetland (5)		,	
		Lake Erie coastal/tributary wetl Lake Erie coastal/tributary wetl		· · · · ·	
		Lake Plain Sand Prairies (Oak			
		Relict Wet Praires (10)	1		
		Known occurrence state/federa		•	
		Significant migratory songbird/ Category 1 Wetland. See Que			•
_		Category I Visitano. See Que.	20011   Abbingtise venilă i- 1	(V)	
9	45	Metric 6. Plant con	nmunities, int	erspersion, micr	otopography.
max 20 pts.	sublotal	6a. Wetland Vegetation Communities.	Vegetation Communi	=	
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2	471 acres) contiguous area
		Aquatic bed	1	Present and either comprises sm	•
		Emergent		vegetation and is of moderate of	
		Forest	2	significant part but is of low qua Present and either comprises sig	· ./
		Mudflats		vegetation and is of moderate of	
		Open water		part and is of high quality	
		Other	3	Present and comprises significan	
		6b. horizontal (plan view) Interspersion. Select only one.	<del></del>	vegetation and is of high quality	
		High (5)	Narrative Description	of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predomi	nance of nonnative or
		3 Moderate (3)		disturbance tolerant native spec	
		Moderately low (2)	mod	Native spp are dominant compon although nonnative and/or distu	=
		None (0)		can also be present, and specie	
•		6c. Coverage of invasive plants. Refer		moderately high, but generally	ilo presence of rare
		to Table 1 ORAM long form for list. Add	10-1	threatened or endangered spp	The same of the sa
		or deduct points for coverage  Extensive > 75% cover (-5)	high	A predominance of native species and/or disturbance tolerant natir	• •
		Moderate 25-75% cover (-3)	•	absent, and high spp diversity a	• • • • • • • • • • • • • • • • • • • •
		Sparse 5-25% cover (-1)		the presence of rare, threatened	, or endangered app
		Nearly absent <5% cover (0)	Modellar and Casa Ma	tos Clasa Osselito	
		Absent (1) 6d. Microtopography.	Mudflat and Open Wa	Absent <0.1ha (0.247 acres)	<u></u>
		Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 ac	res)
		Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88	acres)
		Coarse woody debris > 15cm (6)	•	High 4he (9.88 acres) or more	<del></del>
		2. Standing dead >25cm (10in) db Amphibian breeding pools	n Microtopography Cov	er Scale	
		Land to a second pools	0	Absent	
			1	Present very small amounts or if r	nore common
				of marginal quality	
			2	Present in moderate amounts, but quality or in small amounts of his	
Ca.	Lean.	. 74-	. 3	Present in moderate or greater an	
	J~	2 <del>22</del>		and of highest quality	
45	GRANI	O TOTAL(max 100 pts)			

Site: Mudal	lefield-First Engrav	Rater(s): ML, L, B	Date: 5/8/07
2, 2	Metric 1. Wetland		W-216
max 6 pts. subtotal	Select 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  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  <0.1 acres (0.04ha) (0 pts)		
8 11	Metric 2. Upland I	ouffers and surroundi	ng land use.
max 14 pts. subjectal	2a. Calculate average buffer width. So WIDE. Buffers average 50m LJ MEDIUM. Buffers average 2 NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth or C S LOW. Old field (>10 years).	elect only one and assign score. Do not double (164ft) or more around wetland perimeter (7) 5m to <50m (82 to <164ft) around wetland per 10m to <25m (32ft to <82ft) around wetland per erage <10m (<32ft) around wetland perimeter Select one or double check and average. Older forest, prairie, savannah, wildlife area, etc shrubland, young second growth forest) (5) dentiat, fenced pasture, park, conservation titlan pesture, row cropping, mining, construction.	e check. meter (4) irimeter (1) (0) . (7) ie, new fallow field. (3)
13,5 24.	Metric 3. Hydrolog	av.	•
max 30 pts. subtotal	3a. Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lake 3c. Maximum water depth. Select only >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (4)	pply.  3b. Connecting 100 100 100 100 100 100 100 100 100 10	rity. Score all that apply year floodplain (1) reen stream/lake and other human use (1) of wetland/upland (e.g. forest), complex (1) of riparian or upland corridor (1) nundation/saturation. Score one or dbl check, i- to permanently inundated/saturated (4) charly inundated/saturated (3) sonally inundated (2) sonally saturated in upper 30cm (12in) (1) ge.
	Recovered (7) Recovering (3) Recent or no recovery (1)	ditch pointie filling	
9 33.5	Metric 4. Habitat A	literation and Develop	ment.
max 20 pts. subjetal	4a. Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only of Excellent (7) Very good (6) Good (5) 4/ Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or do	one and assign score.	, .
33.5 substolat this p	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	grazing herb clearcutting sedil selective cutting dred woody debris removal farm	9

ite: /	Middle	Held-First Energy	Rater(s): m L	, LB	Date: 5/8/07
		]			·
	33.5				
	subtotal this pay	<u>.</u>			•
1	72 =				
<u>)                                    </u>	22.2	Metric 5. Special V	/etlands.		
0 pts.	subtotal	Check all that apply and score as indicate	∌d.		
		Bog (10)		•	
		Fen (10) Old growth forest (10)	•		
		Mature forested wetland (5)			
		Lake Erie coastal/tributary wetle	and-unrestricted hydrology	y (1 <b>0</b> )	
		Lake Erie coastal/tributary wetli		5)	•
		Lake Plain Sand Prairies (Oak	Openings) (10)		
		Relict Wet Praires (10) Known occurrence state/federa	l three-loans or and somers	od eneciae /10\	
		Significant migratory songbird/		· ·	
		Category 1 Welland. See Ques	•		
	144.5		, 	_	
	44.5	Metric 6. Plant con	ımunities, in	iterspersion, m	nicrotopography
O pts.	latoletue:	6a. Wetland Vegetation Communities.	Vegetation Commu		
		Score all present using 0 to 3 scale.	0		ha (0.2471 acres) contiguous area
		Aquatic bed  > Emergent	1	•	ses small part of wettand's derate quality, or comprises a
		2 Shrub		significant part but is of I	~
		/ Forest	2		ses significant part of wetland's
		Mudfals		vegetation and is of mod	terate quality or comprises a small
		Open water	<del></del>	part and is of high qualit	· · · · · · · · · · · · · · · · · · ·
		Other	3	_	gnificant part, or more, of welland's
		6b. horizontal (plan view) Interspersion. Select only one.		vegetation and is of high	Quality
		High (5)	Narrative Descripti	on of Vegetation Quality	
		Moderately high(4)	low		redominance of nonnative or
		3 Moderate (3)	·	disturbance tolerant nati	ve species
		Moderately low (2)	mod	1 ''	component of the vegetation,
		Low (1)		=	or disturbance tolerant native spp dispecies diversity moderate to
		None (0)  6c. Coverage of invesive plants. Refer		1	rerallyw/o presence of rare
		to Table 1 ORAM long form for list. Add		1	• •
			the second secon	threatened or endangers	
		or deduct points for coverage	high		species, with normative spp
		or deduct points for coverage Extensive >75% cover (-5)	high	A predominance of native and/or disturbance tolers	species, with normative spp ant native spp absent or virtually
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% cover (-3)	high	A predominance of native and/or disturbance tolers absent, and high spp div	species, with nonnative spp ant native spp absent or virtually rersity and often, but not always,
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% cover (-3)  Sparse 5-25% cover (-1)	high	A predominance of native and/or disturbance tolers absent, and high spp div	species, with normative spp ant native spp absent or virtually
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% cover (-3)	high  Mudflet and Open V	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, thre	species, with nonnative spp ant native spp absent or virtually rersity and often, but not always,
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)		A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, thre	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered app
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.	Mudflet and Open V 0 1	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, three Nater Class Quality  Absent <0.1ha (0.247 acre Low 0.1 to <1ha (0.247 acre)	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres)
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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/fussucks	Mudflet and Open V 0 1 2	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, three Nater Class Quality  Absent <0.1ha (0.247 acm Low 0.1 to <1ha (0.247 to Moderate 1 to <4ha (2.47)	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres)
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrie >15cm (6)	Mudflet and Open V 0 1 2 in) 3	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, three Nater Class Quality  Absent <0.1ha (0.247 acre Low 0.1 to <1ha (0.247 acre)	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres)
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrig >15cm (6)  Estanding dead >25cm (10in) dbi	Mudflet and Open V 0 1 2 in) 3	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, three Nater Class Quality  Absent <0.1ha (0.247 acm Low 0.1 to <1ha (0.247 to Moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or material and control of the control	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres)
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrie >15cm (6)	Mudflet and Open V 0 1 2 in) 3	A predominance of native and/or disturbance tolers absent, and high spp div the presence of rare, three Nater Class Quality  Absent <0.1ha (0.247 acm Low 0.1 to <1ha (0.247 to Moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (2.47 High 4ha (9.88 acres) or moderate 1 to <4ha (	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres)
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrig >15cm (6)  Estanding dead >25cm (10in) dbi	Mudflat and Open V  0 1 2 in) 3 h Microtopography C	A predominance of native and/or disturbance tolers absent, and high spp divergence of rare, three the presence of rare, three	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres) nore
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrig >15cm (6)  Estanding dead >25cm (10in) dbi	Mudflat and Open V  0 1 2 in) 3 h Microtopography C 0 1	A predominance of native and/or disturbance tolers absent, and high spp diverse the presence of rare, three th	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres) nore
		or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrig >15cm (6)  Estanding dead >25cm (10in) dbi	Mudflat and Open V  0  1 2 in) 3 h Microtopography C	A predominance of native and/or disturbance tolers absent, and high spp diverse the presence of rare, three th	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres) hore its or if more common
١.	<b>1</b>	or deduct points for coverage  Extensive >75% cover (-5)  Moderate 26-75% 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 debrig >15cm (6)  Estanding dead >25cm (10in) dbi	Mudflat and Open V  0 1 2 in) 3 h Microtopography C 0 1	A predominance of native and/or disturbance tolers absent, and high spp diverse the presence of rare, three th	species, with normative spp ant native spp absent or virtually resity and often, but not always, eatened, or endangered spp es) 2.47 acres) to 9.88 acres) nore  its or if more common ints, but not of highest its of highest quality

	Site: 「	Middle	field-First Energy Rater	s): ML, L.B	Date: 5/8/07
	3	3	Metric 1. Wetland Area	(size).	W-216
	mak 6 pls	Subtotal	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)		
	8	11	Metric 2. Upland buffers	and surrounding la	and use.
,	max 14 pis.	subtotal	a. Calculate average buffer width. Select only one WiDE Buffers average 50m (164ft) or mo MEDIUM. Buffers average 25m to <50m ( NARROW. Buffers average 10m to <25m VERY NARROW. Buffers average <10m tb. Intensity of surrounding land use. Select one of VERY LOW. 2nd growth or older forest, p	and assign score. Do not double check, the around wetland perimeter (7) (82 to <164ft) around wetland perimeter (4) (32ft to <82ft) around wetland perimeter (4) (<32ft) around wetland perimeter (0) or double check and average. rairie, savannah, wildlife area, etc. (7) ung second growth fores) (5) 3 pasture, park, conservation tillage, new factors.	) 1)
	3.5	24.5	Metric 3. Hydrology.		
	max 30 pts.	subtatal	Recovered (7)   ditch   Recovering (3)   title   Recent or no recovery (1)   dike   weir	Part of wettan Part of ripana J. Duration inundation Semi-to perm Regularly inun Seasonally inun Seasonally inun Seasonally sa Te one or double check and average.	dplain (1) am/lake and other human use (1) am/lake and other human use (1) ad/upland (e.g. forest), comptex (1) in or upland corridor (1) in/saturation. Score one or dbl check. inanently inundated/saturated (4) indated/saturated (3) undated (2) aturated in upper 30cm (12in) (1) indated/saturated in upper 30cm (12in) (1)
	9	33. <b>5</b>	Metric 4. Habitat Alterati	on and Developmer	ir
•	max 20 pts.	sublokai	a. Substrate disturbance. Score one or double che None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) b. Habital development. Select only one and assig Excellent (7) Very good (6) Good (5) Woderately good (4) Fair (3) Poor to fair (2) Poor (1) c. Habitat alteration. Score one or double check an	ro score.	
	)	335	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Check all d mowin grazin clearc select woody	isturbances observed  og shrub/sapling g herbaceous/ac	quatic bed removal

Site:	Middlet	ield-First Energy	Rater(s): mL、	LB	Date: 5/8/07
	<u> </u>		·		'
	1226				
	33,5				
	subtotal this page				
٥	33.5	Metric 5. Special W	etlands.		
max 10 pts.		heck all that apply and score as indicate			
		Bog (10)			
		Fen (10)			
		Old growth forest (10)			
		Mature forested wetland (5)			
		Lake Erie coastal/tributary wetla  Lake Erie coastal/tributary wetla			
		Lake Plain Sand Prairies (Oak O			
		Relict Wet Praires (10)	·		
		Known occurrence state/federal	threatened or endangered	species (10)	
		Significant migratory songbird/w	ater fowl habitat or usage (	(10)	
·	<del></del>	Category 1 Welland. See Quest	tion 1 Qualitative Rating (-1	10)	
R	LIII S	4-4-2 A Dt 4	***	• •	
- 11	1 742 N	letric 6. Plant com	munities, int	erspersion, m	iicrotopograpny.
лях 20 pts.	subjetal 68	. Wetland Vegetation Communities.	Vegetation Commun	ity Cover Scale	
	So	ore all present using 0 to 3 scale.	0		a (0.2471 acres) contiguous area
		Aquatic bed	t	Present and either compris	
		⊋ Emergent ⊋ Shrub		significant part but is of k	erate quality, or comprises a
		/ Forest	2	·	ies significant part of wetland's
		Muditats	•	1	erate quality or comprises a small
		Open water	, <u> </u>	part and is of high quality	•
		Other	3	Present and comprises sig	nificant part, or more, of wetland's
		horizontal (plan view) Interspersion.		vegetation and is of high	quality
	Se	elect only one.			
		High (5)		of Vegetation Quality	
		Moderately high(4)  3 Moderate (3)	low	disturbance tolerant nativ	edominance of nonnative or
		Moderately low (2)	mod		emponent of the vegetation.
		Low (1)			or disturbance tolerant native spp
		None (0)	-	can also be present, and	species diversity moderate to
		Coverage of invasive plants. Refer		moderately high, but gen	erallywio presence of rare
	to	Table 1 ORAM tong form for list. Add		Ihreatened or endangere	d spp
	or	deduct points for coverage	pigh		pecies, with nonnative spp
		Extensive >75% cover (-5) Moderate 25-75% cover (-3)			nt native spp absent or virtually ersity and often, but not always,
		Sparse 5-26% cover (-1)		- ''	atened, or endangered spp
		Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open Wa	iter Class Quality	
	6d	Microtopography.	0	Absent <0.1ha (0.247 acre	3}
	So	ore all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2	
		Vegetaled hummucks/tussucks	,2	Moderate 1 to <4ha (2.47 t	
		// Coarse woody debrig > 15cm (6in	·	High 4ha (9.88 acres) or me	ore
		Amphibian breeding pools	Microtopography Cov	rer Scale	
		remit mission or assure horis	0	Absent	
			1	Present very small amounts	or if more common
				of marginal quality	
			2	Present in moderate amour	•
Λ		•		quality or in small amount	
بعث	tegon	$\mathcal{L}$	3	Present in moderate or great	ater amounts
	1 ~ )			and of highest quality	
44.5	GRAND T	OTAL(max 100 pts)			

Site:	Mido	Hefield-Furst-Energy	Rater(s): mL, L.B	Date: 5/9(d	o 7
	j	Metric 1. Wetland	d Area (size).	w-220	
max 6 pts.	sublotal	Select one size class and assign scc >50 acres (>20.2ha) (6 pts 25 to <50 acres (10.1 to < 10 to <25 acres (4 to <10.1 3 to <10 acres (1.2 to <4ha 0.3 to <3 acres (0.12 to <1 0.1 to <0.3 acres (0.04 to <	) 20.2ha) (5 pts) Iha) (4 pts) a) (3 pts) .2ha) (2pts) =0.12ha) (1 pt)		
10	- 11		buffers and surround	ing land use.	
max 14 pts.	subtotal	2a. Calculate average buffer width.  WIDE. Buffers average 50  WEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers  2b. Intensity of surrounding land use VERY LOW. 2nd growth of LOW. Old field (>10 years MODERATELY HIGH. Re	Selectionly one and assign score. Do not dout in (164ft) or more around wetland perimeter (7 to 25m to <50m (82 to <164ft) around wetland are 10m to <25m (32ft to <82ft) around wetland average <10m (<32ft) around wetland perimet a. Selectione or double check and average, or older forest, prairie, savannah, wildlife area, i), shrubland, young second growth forest. (5) sidential, fenced pasture, park, conservation tilpen pasture, row cropping, mining, construction	ble check. ) erimeter (4) perimeter (1) er (0) etc. (7) lage, new failow field. (3)	r
lot	21/2	Metric 3. Hydrolo	ogy.		
mex 30 pts.	subtotel	· · · · · · · · · · · · · · · · · · ·	ice water (3) ke or stream) (5) only one and assign score.  (2) ic regime. Score one or double check and average in the stream of the stream o	ctivity. Score all that appty.  10 year floodplain (1)  attent of wetland/upland (e.g. forest), complex (  art of riparian or upland corridor (1)  in inundation/saturation. Score one or dbl ci  emi- to permanently inundated/saturated (4)  agularly inundated/saturated (3)  assonally inundated (2)  assonally saturated in upper 30cm (12in) (1)  rage.	(1) heck.
		None or none apparent (12 Recovered (7) Recovering (3) Recent or no recovery (1)	ditch po	int source (nonstormwater) ing/grading ad bed/RR track adging ner	
8	291	Metric 4. Habitat	Alteration and Develo	pment.	
max 20 pls.	saibłot <b>ai</b>	4a. Substrate disturbance. Score on None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select onl Excellent (7) Very good (6) Good (5) Moderalely good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or of	e or double check and average. y one and assign score.	·	
	295 subtotal this pag	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed    mowing	rub/sepling removal rbaceous/aquatic bed removal dimentation edging ming trient enrichment	Adaptina?

		Quantitative	

Site: 17	niddle	tield-First Energy	Rater(s): ML	Lß	Date: 5/9/07
	29	j ´			Date: 5/9/07 Wetland 220
	<u> </u>	4			•
	sublotal this pa	<sup>3</sup> ge			
٥	29 2	Metric 5. Special W	etlands.		
max 10 pp.	Subjected	Check all that apply and score as indicate			
		Bog (10)	<b>u</b> .	1	
		Fen (10)	•	•	
		Old growth forest (10)	•		
		Mature forested wetland (5)			
		Lake Erié coastal/tributary wetla	nd-unrestricted hydrology (	(10)	
		Lake Erie coastal/tributary wetla			
		Lake Plain Sand Prairies (Oak C	Openings) (10)		
		Relict Wet Praires (10)			
		Known occurrence state/federal			
		Significant migratory songbird/w	•	•	
		Category 1 Wetland. See Ques	tion 1 Qualitative Rating (-1	10)	
<b>–</b> `	362	Matic C Diameter			4
	704	Metric 6. Plant com	munities, int	erspersion, micr	otopograpny.
max 20 pts.	subtotal	<ol><li>Wetland Vegetation Communities.</li></ol>	Vegetation Communi		
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2	
		Aquatic bed	1	Present and either comprises sn	- ·
		Emergent		vegetation and is of moderate	
		Shrub		significant part but is of low qu	
		Forest Mudflats	2	Present and either comprises sig	· · · · · · · · · · · · · · · · · · ·
		Open water	•	vegetation and is of moderate	drawa or combuses a small
		Other	3	part and is of high quality  Present and comprises significan	st nett or more of wellende
		6b. horizontal (plan view) Interspersion.	ŭ	vegetation and is of high qualit	= :
		Select only one.		1 vagatament and ta at regat qualit	<u></u>
		High (5)	Narrative Description	of Vegetation Quality	•
		Moderately high(4)	low	Low spp diversity and/or predom	inance of nonnative or
		Moderate (3)	·	disturbance tolerant native spe	cies
		Moderately low (2)	mod	Native spp are dominant compor	ent of the vegetation,
		Low (1)		although nonnative and/or dista	rbance tolerant native spp
		None (0)	•	can also be present, and speci-	•
•		6c. Coverage of invasive plants. Refer		moderately high, but generally	vio presence of rare
		to Table † ORAM long form for list. Add		threatened or endangered spp	01.
		or deduct points for coverage	tiigh -	A predominance of native specie	· ·
		Extensive >75% cover (-5)  Moderate 25-75% cover (-3)	rt.	and/or disturbance tolerant mati absent, and high spp diversity:	
	,	Sparse 5-25% cover (-1)		the presence of rare, threatene	• •
		Nearly absent <6% cover (0)		and producting dividuals to	A Or Chosingeroo opp
		Absent (1)	Mudflat and Open Wa	iter Class Quality	
		6d. Microtopography.	0.	Absent <0.1ha (0.247 acres)	
		Score all present using 0 to 3 scale.	7	Low 0.1 to <1ha (0.247 to 2.47 at	cres)
_		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 Cov		
			0	Absent	
			1 .	Present very small amounts or if	nora common
				of marginal quality	A net of blace
			2	Present in moderate amounts, bu quality or in small amounts of h	
C.10		TT-	3	Present in moderate or greater ar	
	$C^{m}U$			and of highest quality	
7(7	GRANI	TOTAL(max 100 nts)			

	Site:		W-221	Rater(s): M L , LB	Date: 5/9/07
	max 6 pls.	Subtotal	Metric 1. Wetland Selections size class and assign sco	• •	werkand 221
			>50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to < 10 to <25 acres (4 to <10.1 to <10.3 to <10.3 to <3 acres (0.12 to <10.1 to <0.3 acres (0.04 to <0.1 acres (0.04ha) (0 pts)	) 20.2ha) (5 pts) Iha) (4 pts) a) (3 pts) .2ha) (2pts) ©.12na) (1 pt)	
	9	9	Metric 2. Upland	buffers and surrounding	land use.
ŀ	max 14 pts.	subtotel	2a. Calculate average buffer width. WIDE. Buffers average 50 WIEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers 2b. Intensity of surrounding land use	Select only one and assign score. Do not double check in (164ft) or more around wetland perimeter (7): 25m to <50m (82 to <164ft) around wetland perimeter to 10m to <25m (32ft to <82ft) around wetland perimeter average <10m (<32ft) around wetland perimeter (0): Select one or double check and average.	ck. r (4)
		· ·	LOW. Old field (>10 years MODERATELY HIGH. Re	r older forest, prairie, savannah, wiidlife area, etc. (7) ), shrubland, young second growth forest. (5) sidential, fenced pasture, park, conservation tillage, ne pen pasture, row cropping, mining, construction. (1)	w fallow field. (3)
ſ	11.5	20.5	Metric 3. Hydrold		
	max 30 pls.	sublocal	3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) I Precipitation (1) Seasonal/Intermittent surface Perennial surface water (la 3c. Maximum water depth. Select of \$\) 0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1) 3e. Modifications to natural hydrolog None or none apparent (12 Recovered (7) Recovering (3)	t apply.  3b. Connectivity. Service of the connectivity of the connectivity. Service of the connectivity of the connectivity of the connectivity of the connectivity. Service of the connectivity of the connectivity of the connectivity of the connectivity. Service of the connectivity of the connectivity of the connectivity of the connectivity of the connectivity. Service of the connectivity of the connectivity of the connectivity of the connectivity of the connectivity. Service of the connectivity of the connectivity of the connectivity of the connectivity of the connectivity. Service of the connectivity of the connectiv	floodplain (1) stream/lake and other human use (1) ettand/upland (e.g. forest), complex (1) anian or upland comidor (1) ation/saturation. Score one or dbl check. bermanently inundated/saturated (4) inundated/saturated (3) by inundated (2) by saturated in upper 30cm (12in) (1) ce (nonstormwater)
[		- 5	Recent or no recovery (1)	dike road bed/i weir dredging stormwater input other	
	8 .		Metric 4. Habitat	Alteration and Developm	ent.
	max 20 pts.	autolota)	4a. Substrate disturbance. Score or None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select onl Excellent (7) Very good (6) Good (6) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)	y one and assign score.	
	ş	28.5	4c. Habitat atteration. Score one or  None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	Check all disturbances observed    mowing	ling removal us/aquatic bed removal attion

Site:	mid	dle Field	Rater(s): ML,	LB	Date: 5/9/07
-		<b>1</b> .			Date: 5/9/07
•	286				whate
•	subtotal this pa	<b>_</b> <del>ge</del>		•	221
	T	. ·			00.
0	28.5	Metric 5. Special W	etlands.		•
mex 10 pts.	Subloid	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	sd.unraetriated hydrology /1	ov.	
		Lake Erie coastal/tributary wellar		<i>5</i> 7	
		Lake Plain Sand Prairies (Oak O	• • •		
		Relict Wet Praires (10)			
		Known occurrence state/faderal	threatened or endangered s	species (10)	
		Significant migratory songbird/wa	•	·	
<del></del>	<del></del> _	Category 1 Wetland. See Quesi	ion 1 Qualitative Rating (-1	D)	
5	33.5	Metric 6. Plant com	munities int	erenersion mi	icrotonography
	Subjetal	6a. Wetland Vegetation Communities.	Vegetation Communit		iciotopogiapity.
max 20 pts.	SCHO (CHER)	Score all present using 0 to 3 scale.	0	<u> </u>	(0.2471 acres) contiguous area
		Aquatic bed	1	Present and either comprise	
		1 Emergent		vegetation and is of mode	rate quality, or comprises a
		2 Shrub		significant part but is of lo	w quality
		Forest	2	Present and either comprise	es significant part of wetland's
		Mudflats		I -	rate quality or comprises a small
•		Open water	·	part and is of high quality	Second and a second and a second
		Other  6b. horizontal (plan view) Interspersion.	3	vegetation and is of high o	ificant part, or more, of wetland's
		Select only one.		regelation and is of high t	waity
		High (5)	Narrative Description	of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or pre	dominance of nonnative or
		Moderate (3)		disturbance tolerant native	species
		2 Moderately low (2)	mod	Mative spp are dominant con	· -
	e .	Low (1)		_	disturbance tolerant native spp
		None (0)  6c. Coverage of invasive plants. Refer		1	species diversity moderate to
		to Table 1 ORAM long form for list. Add	•	moderately high, but gene threatened or endangered	
		or deduct points for coverage	high	A predominance of native s	
		Extensive >75% cover (-5)	·		it native spp absent or virtually
		Moderate 25-75% cover (-3)		1	rsity and often, but not always,
		Sparse 5-25% cover (-1)		the presence of rare, three	atened, or endangered spp
		C Nearly absent <5% cover (0)	et. m	At A W	
		Absent (1)	Mudflat and Open Wa		
		6d. Microtopography.  Scor <u>e all present using 0 to 3 scale.</u>	0	Absent <0.1ha (0.247 acres Low 0.1 to <1ha (0.247 to 2.	<del></del>
		Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to	<del></del>
•		Coarse woody debris > 15cm (6in		High 4ha (9.88 acres) or mo	
		Standing dead >25cm (10in) dbh	•		
		Amphibian breeding pools	Microtopography Cov	er Scale	
			0	Absent	
			- 1	Present very small amounts	or if more common
				of marginal quality	
			2	Present in moderate amoun	- · · · · · · · · · · · · · · · · · · ·
			3	quality or in small amounts  Present in moderate or great	
C out	regon	TOTAL (may 100 nts)	*	and of highest quality	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
2.	•		····		

Site:	Midd	efield-Fire	t Energy	Rater(s): いん	LB	Date: 4/8/07
4	牟	Metric 1	Wetland	Area (size).		Date: 4/8/07 Wetland 222
max 6 pts	subicial	Select one size c  >50 acr 25 to <  10 to <  3 to <16  0 1 to <  0 1 to <	ass and assign score. es (>20.2ha) (6 pts) 50 acres (10 1 to <20.2 25 acres (4 to <10.1ha D acres (1.2 to <4ha) (3 3 acres (0.12 to <1.2h 0.3 acres (0.04 to <0.5 res (0.04ha) (0 pts)	Pha) (5 pts) ) (4 pts) 3 pts) a) (2pts)		
7	11	Metric 2	. Upland b	uffers and sur	rounding	land use.
max 14 pls	subtotal	2a. Calculate ave WiDE. WiDE. NARRO VERY I 2b. Intensity of si VERY I LOW.	erage buffer width. See Buffers average 50m ( M. Buffers average 25 DV. Buffers average 1 IARROW. Buffers average 1 IARROW. Buffers average 1 IARROW. 2nd growth or old field (>10 years). S RATELY HIGH. Reside	lectionly one and assign score (164ft) or more around welfand im to <50m (82 to <164ft) arou 0m to <25m (32ft to <82ft) around werk (32ft) around werk Selectione or double check an der forest, prairie, savannah, whrubland, young second growt ential, fenced pasture, park, con pasture, row cropping, mining	Do not double check perimeter (7) and wettand perimeter bund wettand perimeter bund wettand perimeter (0) deverage. Wildlife area, etc. (7) in forest. (5) waservation tillage, ner	k. (4) er (1)
12:	32)F	Metric 3	. Hydrolog	ly.		
max 30 pts	Sufficial	High phother g Characteristics  High phother g Percipit Season Perenn 3c. Maximum wa >0.7 (2' 0.4 to 0' 1 <0.4 m 3e. Modifications None of Recove Recove	none apparent (12) red (7)	water (3) or stream) (5) one and assign score	Between a Part of we Part of nor Semi- to p Regularly Seasonally Seasonally theck and average.	oodplain (1) Itream/lake and other human use (1) Illand/upland (e.g. forest), complex (1) Internation or upland corridor (1) Ition/saturation. Score one or dbl check. Internation of the corridor (3) Internation of the corridor (3) Internation of the corridor (1) Internation of the corr
9	327	Metric 4	Habitat A	Iteration and I	Developmo	ent.
max 20 pts.	Estolduz	None of Recover Recover Recent Ab. Habitat devel Exceller Very go Good (for Modera Fair (3) Poor to Poor (1) 4c. Habitat allera	none apparent (4) red (3) ring (2) or no recovery (1) opment. Select only o al (7) od (6) ) tely good (4) fair (2) , tion. Score one or do	ible check and average.		
	Substant al aris pag	Recove Recove Recent		Check all disturbances observed in the control of t	shrub/sapt	

ORAM v. 5.0 Field Form Quantitative Rating
--------------------------------------------

te: Midd	efield-First Energy F	Rater(s): ml.	L.B	Date: 5/8/07
22'~	]			•
32.5	<u>·                                    </u>			
subtotal this pa	1 1			
2 325	Metric 5. Special W	otlande		
10 pts subtotal	Check all that apply and score as indicated			
In his 30b(dia)	Bog (10)	J.		
	Fen (10)			·.
	Old growth forest (10)			
	Mature forested welland (5)	and a manage to define all the colored manages of the	IAS	
	Lake Erie coastal/tributary wetlan		10)	
	Lake Plain Sand Prairies (Oak O	•••		
	Relict Wet Praires (10)			
	Known occurrence state/federal t	-		
	Significant migratory songbird/wa Category 1 Wetland. See Questi		=	
- 61	Objection of the second	OIL I GRANCE LOUIS !	· <i>1</i>	
/ 1373	Metric 6. Plant com	munities, int	erspersion, micro	topography
20 pls subtotal	6a. Wetland Vegetation Communities.	Vegetation Communit	-	
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.247)	
	Aquatic bed	1	Present and either comprises small	
	Emergent 2 Shrub		vegetation and is of moderate qua- significant part but is of low quality	•
	Forest	2	Present and either comprises signific	
	Mudflats		vegetation and is of moderate qua	
	Open water		part and is of high quality	
	Other	3	Present and comprises significant p	art, or more, of wetland's
	6b. horizontal (plan view) Interspersion.  Selectionly one.		vegetation and is of high quality	
	High (5)	Narrative Description	of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predominal	nce of nonnative or
	Moderate (3)		disturbance tolerant native species	·····
	Moderately low (2) Low (1)	mod	Native spp are dominant component although nonnative and/or disturbs	
	None (0)		can also be present, and species	, ,
	6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o	-
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	<del></del>
	or deduct points for coverage	high	A predominance of native species, v	
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance tolerant native absent, and high spp diversity and	· ·
	-/ Sparse 5-25% cover (-1)		the presence of rare, threatened, o	•
	Nearly absent <5% cover (0)			
	Absent (1)	Mudflat and Open Wat		
	6d. Microtopography.  Score all present using 0 to 3 scale.	<u>0</u> 1	Absent <0.1ha (0.247 acres) Low 0.1 to <1ĥa (0.247 to 2.47 acres	
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 ac	
	Coarse woody debris >15cm (6in)	·	High 4ha (9.88 acres) or more	
	Slanding dead >25cm (10in) dbh			
	Amphibian breeding pools	Microtopography Cov		
		0	Absent	re common
		1	The least of Asia Substitution of the state	
		1	Present very small amounts or if mo- of marginal quality	
		2	of marginal quality  Present in moderate amounts, but no	ot of highest
<b>\</b>		2	of marginal quality Present in moderate amounts, but no quality or in small amounts of high	est quality
ategony	<u>IT</u>		of marginal quality  Present in moderate amounts, but no	est quality

Refer to the most recent ORAM Score Categories for the scoring breekpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html

Site:	Middl	efield-Fir	st Energy	Rater(s):	M.L,L	ß	Date: 4/8/07 Wetland 222
	L	]					wetland 222
1-	早	Metric 1	. Wetland	Area (si	ze).		$\hat{x}_{i}$
max 6 pts	lstp!duz		lass and assign score res (>20.2ha) (6 pts)	<b>)</b> .			
		<del></del>	50 acres (10.1 to <20 25 acres (4 to <10.1h				
		3 to < 10	0 acres (1.2 to <4ha)	(3 pts)			
			3 acres (0.12 to <1.2 0.3 acres (0.04 to <0				
<del> </del>	<del></del>	<0.1 ac	res (0.04ha) (0 pts)				
7	11	Metric 2	. Upland l	ouffers a	nd surro	นก	ding land use.
max 14 pts.	subtotal	4	erage buffer width. S				•
			Buffers average 50m M. Buffers average 2	•	•		• •
		NARRO	)W. Buffers average	10m to <25m (32	ft to <82ft) around	wella	nd perimeter (1)
			VARROW. Buffers at urrounding land use.	•	•		eler (U)
			LOW. 2nd growth or cold field (>10 years),				
		3 MODE	RATELY HIGH. Resi	dential, lenced par	sture, park, conse	rvation	tillage, new fallow field. (3)
		1	Urban, industrial, ope		opping, mining, co	nstruci	ion. (1)
12.2	79,F	4	. Hydrolo			_	
max 30 pts	Sublotai		later. Score all that a I groundwater (5)	oply.	3b	Con	nectivity. Score all that apply 100 year floodplain (1)
			roundwater (3) ation (1)				Between stream/lake and other human use (1) Part of wetland/upland (e.g. forest), complex (1)
		Season	al/Intermittent surface			Щ	Part of riparian or upland corridor (1)
			ial surlace water (lake ler depth. Select onl			Dura	lion inundation/saturation. Score one or dbl check. Semi- to permanently inundated/saturated (4)
			7. <del>6</del> in) (3) .7m (15.7 to 27.6in) (	2)	2= (	13	Regularly inundated/saturated (3) Seasonally inundated (2)
		<0.4m (	<15.7in) (1) to natural hydrologic		n or dauble abod		Seasonally saturated in upper 30cm (12in) (1)
			r none apparent (12)		bances observed	eric o	verage.
		Recove	red (7)	ditch tile		$\Box$	point source (nonstormwater) filling/grading
			or no recovery (1)	dike			road bed/RR track
				weir stormwate	er inn:#	Н	dredging other
	<del>.</del>	1				<u> </u>	
19	327	Metric 4	. Habitat /	Alteratio	n and De	vel	opment.
так 20 pls.	subtotal		turbance. Score one r none apparent (4)	or double check a	ınd average.		
		Recove	red (3)				
			or no recovery (1)			•	
		4b. Habitat devel	opment. Select only	one and assign so	ore.		
		Very go	od (6)				
		<b>⊌</b> Modera	tely good (4)				·
		Fair (3) Poor to					
		Poor (1	) tion. Score one or do	whie check and a	verage		
			r none apparent (9)		bances observed		
		Recove	red (6)	mowing grazing			shrub/sapling removal herbaceous/aquatic bed removal
			or no recovery (1)	clearcuttin	-		sedimentation
	325	) w		( <del>                                     </del>	bris removal		dredging farming
	subtotal this pag	li.		loxic pollu	lants		nufrient enrichment
•		·-					

Site:	middl	ctield-F	ivst Energy	Rater(s): mL, 1	B	Date: 5/8/07
		7	·			•
	322	:	•			*
	<u> </u>					
	sublotef this p	Ť				
l O	325	Metric	5. Special W	etlands		
max 10 pt	isloiduà i		apply and score as indicate			
110 pt			(10)	~.		
			(10)			•
		Old	growth forest (10)			
			ure forested welland (5)			
			e Ene coastal/tributary wetla e Ene coastal/tributary wetla	and-unrestricted hydrology (1:	0)	
			Plain Sand Prairies (Oak (			
			ct Wet Praires (10)	,	,	
		Kno	wn occurrence state/federa	I threatened or endangered s	pecies (10)	
			• •	aler fowl habitat or usage (19	•	
	T	-ղ LJCate	agory 1 Welland. See Ques	tion 1 Qualitative Rating (-10	)	
7	791	Metric	6 Plant com	munitiae inte	erspersion, micro	otonography
20.00	subtotal		/egetation Communities.	Vegetation Community	<del>-</del>	otopograpity.
mex 20 pts	e sonoral		ent using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.24	(71 acres) contiguous area
			atic bed	1	Present and either comprises small	
		Eme	rgeni		vegetation and is of moderate of	uality, or comprises a
		2 Shru			significant part but is of low qua	<del></del>
		Fore		2	Present and either comprises sign	·
		Mud	ilats n water		vegetation and is of moderate q part and is of high quality	uanty or comprises a small
		Othe		3	Present and comprises significant	part, or more, of wetland's
		6b. horizontal	(plan view) Interspersion.		vegetation and is of high quality	,
		Select only on	€.	<del></del>		
		High	• •	Narrative Description		
			erately high(4) erate (3)	low	Low spp diversity and/or predomit disturbance tolerant native spec	
		<del></del>	erately low (2)	mod	Native spp are dominant compone	
		Low	• • •		although nonnative and/or distu	
		None	9 (0)		can also be present, and specie	s diversity moderate to
			of invesive plants. Refer		moderately high, but generallyw	to presence of rare
			AM long form for list. Add : Is for coverage	high	threatened or endangered spp A predominance of native species	with concative con
			nsive >75% cover (-5)	. tuña	and/or disturbance tolerant nativ	
		<del></del>	erate 25-75% cover (-3)		absent, and high spp diversity a	•
			se 5-25% cover (-1)		the presence of rare, threatened	, or endangered spp
		<del></del>	rly absent <5% cover (0)	##	- Olas - Duelika	
		6d. Microlopo	ent (1) graphy	Mudfiat and Open Water 0	Absent <0.1ha (0.247 acres)	<u></u>
		_	ent using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 ac	res)
		Vege	etated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88	acres)
			se woody debris >15cm (6)		High 4ha (9.88 acres) or more	<u></u>
		_	di <b>ng de</b> ad >25cm (10in) dbi hibian broadian <b>poele</b>		- Canla	
		☐ I-Amb	hibian breeding pools	Microtopography Cove 0	Absent	
				1	Present very small amounts or if n	nore common
					of marginal quality	
				2	Present in moderate amounts, but	
C	<b>.</b>			3	quality or in small amounts of his	
-at	egony			ა	Present in moderate or greater arr and of highest quality	IIVII (I9
			nax 100 pts)			

Site:	Midd	lefield-First Enemy	Rater(s): M.L.L.B	Date: 4/8/07 Wetland 722
4	タ	Metric 1. Wetland	l Area (size).	wetland 322
máx 6 <b>pt</b> s.	Sub <b>n</b> olè:	Select one size class and assign sco >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <2 4 10 to <25 acres (4 to <10.1 3 to <10 acres (1.2 to <4ha 2.2 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)	0.2ha) (5 pts) na) (4 pts) i (3 pts) 2ha) (2pts)	
7	11	Metric 2. Upland	buffers and surroundi	ng land use.
max 14 pts.	sublotal	2a. Calculate average buffer width. 3 WIDE. Buffers average 50 MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers a 2b. Intensity of surrounding land use	Select only one and assign score. Do not double in (164fl) or more around wetland perimeter (7) 25m to <50m (82 to <164fl) around wetland period to <25m (32fl to <82fl) around wetland period to <25m (32fl to <82fl) around wetland perimeter (Select one or double check and everage, older forest, prairie, sayannah, wildlife area, etc.	e check. meter (4) trimeter (1) (0)
		へ MODERATELY HIGH. Res	shrubland, young second growth forest. (5) idential, fenced pasture, park, conservation tillagen pasture, row cropping, mining, construction.	
122	22/F	Metric 3. Hydrolo		
max 30 pts.	sublotal	3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/intermittent surface Perennial surface water (tal.) 3c. Maximum water depth. Select on >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) 1 <0.4m (<15.7in) (1)	apply.  3b. Connective  100  Between (3)  e or stream) (5)  dy one and assign score.  (2)	wity. Score all that apply.  year floodptain (1)  ween stream/lake and other human use (1)  of wetland/upland (e.g. forest), complex (1)  of riparian or upland corridor (1)  nundation/saturation. Score one or dbl check.  i-to permanently inundated/saturated (4)  ularly inundated/saturated (3)  sonally inundated (2)  sonally saturated in upper 30cm (12in) (1)  ge.
		None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances observed ditch tile point	t source (nonstormwater) o/grading bed/RR track ging
9		•	Alteration and Develop	ment.
max 20 pts.	subtotāj	4a. Substrate disturbance. Score on None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Ab. Habitat development. Select only Excellent (7) Very good (5) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or of	one and assign score.	
,	225 subtotal this pag	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	grazing herba Learcutting sedim selective cutting dreds woody debris removal farmi	- <del>-</del>

	CHEM	- First Energy	Rater(s): ML, I	.,R	Date: 5/8/0>
	7	· ·		, .	
32.1	=				
subloial this p					
-1 22/2					Ž.
O 32	- Metr	ric 5. Special W	etlands.		
x 10 ots. substoint		that apply and score as indicate			
		Bog (10)			
	-	Fen (10)			<b>',</b>
	-	Old growth forest (10) Mature forested wetland (5)			
	-	Lake Erie coastal/tributary wetta	nd-unrestricted hydrology (1)	n)	
	-	Lake Erie coastal/tributary wetla		~1	
		Lake Plain Sand Prairies (Oak C			
		Relict Wet Praires (10)			•
	<u> </u>	Known occurrence state/federal	-		
	<u> </u>	Significant migratory songbird/w	•	•	
	<b>⊣ └</b> ─	Category 1 Wetland. See Ques	tion 1 Qualitative Rating (-10	)	
7 395	- 186-4-	in 6 Diant com	munitica inte	vandrolan inic	rotonogranky
	_	ric 6. Plant com	•	₹	rolopograpity.
: 20 pts. subtotal		and Vegetation Communities.	Vegetation Community		A
	Score an	present using 0 to 3 scale. Aquatic bed	0 1		0.2471 acres) contiguous area
		Emergent	ı	Present and either comprises vegetation and is of moderar	•
	7	Shrub		significant part but is of low	
		Forest	2	Present and either comprises	·······
		Mudifats		vegetation and is of modera	te quality or comprises a small
		Open water		part and is of high quality	
		Other	3	Present and comprises signific	cant part, or more, of wetland's
	Ah beriz	contal (plan view) Interspersion.		vegetation and is of high qua	aiitu
				vegetation and is a right qui	
	Select on	ily one.	Marrativa Description		
	Select on	lly one. High (5)	Narrative Description	of Vegetation Quality	
	Select on	ily one.	Narrative Description of		ominance of nonnative or
	Select on	ly one. High (5) Moderately high(4)		of Vegetation Quality Low spp diversity and/or predo	ominance of nonnative or pecies
	Select on	ly one. High (5) Moderately high(4) Moderate (3)	low	of Vegetation Quality  Low spp diversity and/or prediction of the disturbance tolerant native a Native spp are dominant comp	ominance of nonnative or pecies
	Select on	ly one. High (5) Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0)	low	of Vegetation Quality  Low spp diversity and/or prediction of the disturbance tolerant netive a Native spp are dominant compatithough nonnative and/or distant also be present, and spin	ominance of nonnative or pecies conent of the vegetation, isturbance tolerant native spo ecies diversity moderate to
	Select on	hly one. High (5) Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer	low	of Vegetation Quality  Low spp diversity and/or prediction of the disturbance tolerant netice and although nonnative and/or dican also be present, and spi moderately high, but general	ominance of nonnative or pecies conent of the vegetation, isturbance tolerant native spp ecies diversity moderate to liyw/o presence of rare
	Selection  3.  6c. Cove to Table 7	hly one. High (5) Moderately high(4) Moderate (3) Moderately low (2) Low (1) None (0) trage of invasive plants. Refer	nod	of Vegetation Quality  Low spp diversity and/or prediction of disturbance tolerant native and although nonnative and/or dican also be present, and spi moderately high, but general threatened or endangered si	ominance of nonnative or pecies conent of the vegetation, isturbance tolerant native spp ecies diversity moderate to thywio presence of rare
	Selection  3.  6c. Cove to Table 7	Ily one. High (5) Moderately high(4) Moderatel (3) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage	low	of Vegetation Quality Low spp diversity and/or prediction disturbance tolerant native and although nonnative and/or disturbance to present, and spiritude and also be present.	perinance of nonnative or pecies onent of the vegetation, isturbance tolerant native spoecies diversity moderate to lilywio presence of rare op cies, with nonnative spp
	Selection  3.  6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately kow (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5)	nod	of Vegetation Quality Low spp diversity and/or predictive spp are dominant compatitive spp are dominant compatitiough nonnative and/or dican also be present, and spin moderately high, but general threatened or endangered significant of native spendor disturbance tolerant respondences.	perinance of nonnative or pecies onent of the vegetation, isturbance tolerant native sppecies diversity moderate to llywio presence of rare op cies, with nonnative sppeative spp absent or virtually
	Selection  3. 6c. Cove to Table or deduct	High (5) Moderately high(4) Moderately kow (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	nod	of Vegetation Quality Low spp diversity and/or predictive spp are dominant compatitive spp are dominant compatitiough nonnative and/or dican also be present, and spin moderately high, but general threatened or endangered significant or disturbance tolerant reasent, and high spp diversity.	perinance of nonnative or pecies ponent of the vegetation, isturbance tolerant native sppecies diversity moderate to llywio presence of rare opcies, with nonnative sppeative spp absent or virtually by and often, but not always,
	Selection  3. 6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately kow (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5)	nod	of Vegetation Quality Low spp diversity and/or predictive spp are dominant compatitive spp are dominant compatitiough nonnative and/or dican also be present, and spin moderately high, but general threatened or endangered significant of native spendor disturbance tolerant respondences.	perinance of nonnative or pecies someon of the vegetation, isturbance tolerant native sppecies diversity moderate to llywio presence of rare opcies, with nonnative sppeative spp absent or virtually by and often, but not always,
	Selection  3. 6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1)	nod	of Vegetation Quality  Low spp diversity and/or predictive spp are dominant compatitive spp are dominant compatitiough nonnative and/or discan also be present, and spi moderately high, but general threatened or endangered specifications and/or disturbance tolerant rabsent, and high spp diversitive presence of rare, threatened.	perinance of nonnative or pecies someon of the vegetation, isturbance tolerant native sppecies diversity moderate to llywio presence of rare opcies, with nonnative sppeative spp absent or virtually by and often, but not always,
	Selection 3 6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Wearly absent <5% cover (0) Absent (1)	mod high	of Vegetation Quality  Low spp diversity and/or prediction disturbance tolerant netive a Native spp are dominant compatitiough nonnative and/or discan also be present, and spi moderately high, but general threatened or endangered significant disturbance tolerant if absent, and high spp diversiting presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoecies diversity moderate to flywlo presence of rare opposes, with nonnative spoecies, with nonnative spoecies, with nonnative spoecies, with nonnative spoecies, and often, but not always, ned, or endangered spo
	Selection 3 6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Wearly absent <5% cover (0) Absent (1) topography.	high  Mudflat and Open Wate  0	of Vegetation Quality Low spp diversity and/or prediction disturbance tolerant native a Native spp are dominant compatitiough nonnative and/or discan also be present, and spi moderately high, but general threatened or endangered spand/or disturbance tolerant if absent, and high spp diversiting presence of rare, threatener Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ĥa (0.247 to 2.41)	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare opicies, with nonnative spousitive
	Selection 3 6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Wearly absent <5% cover (0) Absent (1) topography. present using 0 to 3 scale. Vegetated hummucks/tussucks	high  Mudflat and Open Wate  0 1 2	of Vegetation Quality Low spp diversity and/or prediction disturbance tolerant native a Native spp are dominant compatitiough nonnative and/or discan also be present, and spi moderately high, but general threatened or endangered spand/or disturbance tolerant if absent, and high spp diversiting presence of rare, threated or Class Quality  Absent <0.11a (0.247 acres) Low 0.1 to <1fta (0.247 to 2.47 Moderate 1 to <4fta (2.47 to 9.47)	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare opecies, with nonnative spoucies, with nonnative spoucies, with nonnative spoucies, and often, but not always, and, or endangered spoucies, or endangered spoucies.
	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Wearly absent <5% cover (0) Absent (1) topography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir	high  Mudflat and Open Wate  0 1 2 3	of Vegetation Quality Low spp diversity and/or prediction disturbance tolerant native a Native spp are dominant compatitiough nonnative and/or discan also be present, and spi moderately high, but general threatened or endangered spand/or disturbance tolerant if absent, and high spp diversiting presence of rare, threatener Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ĥa (0.247 to 2.41)	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare opecies, with nonnative spoucies, with nonnative spoucies, with nonnative spoucies, and often, but not always, and, or endangered spoucies, or endangered spoucies.
	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) topography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbf	high  Mudflat and Open Wate  0 1 2 1 3	Low spp diversity and/or prediction of Vegetation Quality Low spp diversity and/or prediction of the present of the present of the present of the present of the presence of t	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare operative spoucies, with nonnative spoucies, with nonnative spoucies, with nonnative spoucies, and often, but not always, and, or endangered spoucies.
	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Wearly absent <5% cover (0) Absent (1) topography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir	high  Mudflat and Open Wate  0 1 2 3	Low spp diversity and/or prediction of Vegetation Quality Low spp diversity and/or prediction of the present of the present of the present of the present of the presence of t	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare opecies, with nonnative spoucies, with nonnative spoucies, with nonnative spoucies, and often, but not always, and, or endangered spoucies, or endangered spoucies.
	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Itopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbf	high  Mudflat and Open Wate  0 1 2 3 Microtopography Cove	low spp diversity and/or prediction of Vegetation Quality Low spp diversity and/or prediction of the comparison of the comparison of the can also be present, and spenderately high, but general threatened or endangered such a predominance of native spend of disturbance tolerant in absent, and high spp diversitie presence of rare, threated or Class Quality  Absent 40.14a (0.247 acres) Low 0.1 to <1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.41 Moderate 1 to <4ha (2.47 to 9 High 4ha (9.88 acres) or more or Scale	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare operative spoucies, with nonnative spoucies, with nonnative spoucies, with nonnative spoucies, and often, but not always, and, or endangered spoucies, acres)
	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Itopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbf	high  Mudflat and Open Wate  0 1 2 3  Microtopography Cove	of Vegetation Quality Low spp diversity and/or prediction prediction of the spp are dominant compatitive and/or disturbance tolerant native and/or disturbance of present, and spi moderately high, but general threatened or endangered spand/or disturbance tolerant in absent, and high spp diversitie presence of rare, threatener Class Quality  Absent <0.14a (0.247 acres) Low 0.1 to <1ha (0.247 to 2.41 Moderate 1 to <4ha (2.47 to 9 High 4ha (9.88 acres) or more in Scale  Absent	perinance of nonnative or pecies ponent of the vegetation, isturbance tolerant native spoucies diversity moderate to litywo presence of rare oppositions, with nonnative spoucies, with nonnative or spoucies.
	6c. Cove to Table or deduct	ly one. High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) rage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) topography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbh Amphibian breeding pools	high  Mudflat and Open Wate  0 1 2 3  Microtopography Cove	low spp diversity and/or prediction spp diversity and/or prediction spp diversity and/or prediction spp diversity and/or prediction spp are dominant compatitive spp are dominant compatitive and/or disconsistent specific	perinance of nonnative or pecies penent of the vegetation, isturbance tolerant native sponeits diversity moderate to lityw/o presence of rare populative spp absent or virtually by and often, but not always, med, or endangered spp
l Gel-eum A	6c. Cove to Table or deduct	hly one. High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) Prage of invasive plants. Refer 1 ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Itopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6ir Standing dead >25cm (10in) dbf	high  Mudflat and Open Wate  0 1 2 3 Microtopography Cove	low spp diversity and/or prediction of vegetation Quality  Low spp diversity and/or prediction of the present and specific and also be present, and specific and also be present, and specific and also be present, and specific and an also be present, and specific and are an also be present, but general threatened or endangered symmetry and/or disturbance of native specific and/or disturbance tolerant in absent, and high spp diversit the presence of rare, threatened and also contained a	primance of nonnative or pecies ponent of the vegetation, isturbance tolerant native spo- ecies diversity moderate to  litywio presence of rare  pop- cies, with nonnative spo- native spo absent or virtually  by and often, but not always,  med, or endangered spo- if more common  but not of highest  f highest quality

Site: M	ddlefield - First Energy Rater(s): ML, LB	Date: 5/9/07
3	Metric 1. Wetland Area (size).	d 223
rnax 6 pis. 3	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)	
5	Metric 2. Upland buffers and surrounding land a	Jse.
max 14 pts. S	2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)  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)  2b. Intensity of surrounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)	
بستا السيبييي	Metric 3. Hydrology.	
max 30 pts. \$	Precipitation (1)  Seasonal/Intermittent surface water (3) Perennial surface water (lake of stream) (5)  Comparison of uplated in part of riparian or uplat	and other human use (1) if (e.g. forest), complex (1) ind corridor (1) ion. Score one or dbf check. inundated/saturated (4) aturated (3) (2) in upper 30cm (12in) (1)
8 2	Recovering (3) Recovering (4) Recovering (4) Recovering (4) Recovering (4) Recovering (5) Recovering (5) Recovering (6) Recove	
	4a. Substrate disturbance. Score one or double check and average.  None or none apparent (4) Recovered (3) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.	
a pitot	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)  Check all disturbances observed  shrub/septing removal herbaceous/aquatic be sedimentation dredging woody debris removal loxic pollutants  his page	El .

ite:	m idd	lefield	Rater(s): ML. L	B Date: 8/9/07
	1	1		B Date: 5/9/07
	282			
	subtotal this pa	 be		•
	T ,	Ĩ		
4	282	Metric 5. Specia	l Wetlands.	
( 10 pls.	subtotal	Check all that apply and score as in		
,		Bog (10)		
		Fen (10)	·	
		Old growth forest (10)		
		Mature forested wetland (	(5) y wetland-unrestricted hydrology (10	•
			y wettand-restricted hydrology (5)	,
		Lake Plain Sand Prairies		•
		Relict Wet Praires (10)		
		<del></del>	ederal threatened or endangered sp	• •
			bird/water fowl habitat or usage (10)	
<del>,</del>		Category I Westand, See	Question 1 Qualitative Rating (-10)	
	317	Metric 6. Plant c	ommunities, inte	rspersion, microtopography.
20 pts.	subtotal	l 6a. Wetland Vegetation Communitie		
		Score all present using 0 to 3 scale.		Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Aquatic bed	1 .	Present and either comprises small part of wetland's
		Emergent		vegetation and is of moderate quality, or comprises a
		Shrub Forest	2	significant part but is of low quality  Present and either comprises significant part of wetland's
		Mudflats		vegetation and is of moderate quality or comprises a small
		Open water		part and is of high quality
		Other		Present and comprises significant part, or more, of wetland's
		6b. horizontal (plan view) Interspers	nois.	vegetation and is of high quality
		Select only one. High (5)	Narrative Description of	Venetation Quality
		Moderately high(4)		Low spp diversity and/or predominance of nonnative or
		Moderate (3)		disturbance tolerant native species
		Moderately low (2)	mod	Native spp are dominant component of the vegetation,
		Low (1)		although nonnative and/or disturbance tolerant native spp
		None (0)  6c. Coverage of invasive plants. Re	efer	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of nare
		to Table 1 ORAM long form for list.		threatened or endangered app
		or deduct points for coverage	high	A predominance of native species, with nonnative spp
		Extensive >75% cover (-5)	• 1	and/or disturbance tolerant native app absent or virtually
		Moderate 25-75% cover (- Sparse 5-25% cover (-1)	3)	absent, and high app diversity and often, but not always, the presence of rare, threatened, or endangered app
		Nearly absent <5% cover	(0)	are prosperior of the of the detailed of careerings on other
•		Absent (1)	Mudflat and Open Water	r Class Quality
		6d. Microtopography.		Absent <0.1ha (0.247 acres)
		Score all present using 0 to 3 scale.		Low 0.1 to <1ha (0.247 to 2.47 acres)
		Vegetated hummucks/tuss		Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more
		Coarse woody debris >15c		
		Coarse woody debris >15c Standing dead >25cm (10i	· · · · · · · · · · · · · · · · · · ·	
			in) dbh	Scale
		Standing dead >25cm (10)	Microtopography Cover	Absent
		Standing dead >25cm (10)	Microtopography Cover	Absent Present very small amounts or if more common
		Standing dead >25cm (10)	Microtopography Cover  0 / 1 E	Absent Present very small amounts or if more common of marginal quality
		Standing dead >25cm (10i	Microtopography Cover  0 / 1 E	Absent Present very small amounts or if more common
_ 	cg on	Standing dead >25cm (10i	Microtopography Cover  0 // 1 E	Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

Site:		RBW907 - Y Rater(s): Remit Date: 6-27-07
3	3	Metric 1. Wetland Area (size).
ncas & plo	SciOlc4;H	Selections 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)
6	9	Metric 2. Upland buffers and surrounding land use.
mac 14 pts	subtorat	2a Calculate average buffer width. Select only one and assign score. Do not double check  WIDE Buffers average 50m (164ft) or more around wetland penmeter (?)  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)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, praine, savannah, wildlife area, etc. (7)  LOW Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
16	25	Metric 3. Hydrology.
ma. 10 pts	Subloia <sup>i</sup>	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)  Maximum water depth Select only one and assign score  Semi- to permanently inundated/saturated (4)  Seasonality inundated/saturated (3)  O 4 to 0 7m (15 7 to 27 6in) (2)  Seasonality inundated/saturated in upper 30cm (12in) (1)  Modifications to natural hydrologic regime. Score one or double check and average  None or none apparent (12)  Recovering (3)  Recevering (4)  Recevering (5)  100 year floodplain (1)  Part of wetland/upland (e.g. forest), complex (1)  Part of wetland/upland (e.g. forest)  Part of wetland/u
10.5	35.5	Metric 4. Habitat Alteration and Development.
max 20 pts	subtobal	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) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovered (6)  Check all disturbances observed shrub/sapling removal
Sub	35 15	Recovering (3) Recent or no recovery (1) Rec

ORAM v. 5.0 Fie	ld Form	Quantitative	Rating
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ite:		$\omega$ -3	Rater(s):	Date: んこン
3	5.5			
subtat a	this page			
0 35	Metric 5.	.  Special W	etlands.	
10 pls Su	оюы Check all that app	ly and score as indicated	i	
	Bog (10	-		
	Fen (10	•		
		wth forest (10)		
	<del></del>	forested wetland (5) ie coastal/tributacy wetlar	nd-unrestricted hydrology (1	ım
		· ·	nd-restricted hydrology (5)	,
		ain Sand Prairies (Oak O		
	Relict W	let Praires (10)		
	<del></del> 1		threatened or endangered s	
			ater fowl habitat or usage (1	
	Categor	y 1 Wetland. See Quest	ion 1 Qualitative Rating (-10	υ)
0 4	C Matric 6	Plant com	munitiae inte	erspersion, microtopography
: 20 pts su	biolar 6a Wetland Vege Score all present	etation Communities	Vegetation Communit 0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	Aquatic	-	1	Present and either comprises small part of welland's
	Emerge			vegetation and is of moderate quality, or comprises a
	Shrub			significant part but is of low quality
	Forest		2	Present and either comprises significant part of welland's
	Mudilats			vegetation and is of moderate quality or comprises a small
	Open w	aler		part and is of high quality
		an view) Interspension	3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality.
	Select only one	III TIDAY AND SPOTOIO	<del></del>	Togothor and to ragh down
	High (5)		Narrative Description	of Vegetation Quality
	——————————————————————————————————————	lely high(4)	law	Low spp diversity and/or predominance of nonnative or
	Moderat مح	• •	···	disturbance tolerant native species
		tely fow (2)	mod	Native spp are dominant component of the vegetation,
	Low (1) None (0	1		although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to
		nvasive plants. Refer		moderately high, but generallywio presence of rare
	•	long form for list. Add		threatened or endangered spp
	or deduct points fo	n covetage	high	A predominance of native species, with nonnative spp
	<del></del> -	e >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
	<del></del>	e 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
		5;25% cover (-1)  bsent <5% cover (0)	<del></del>	the presence of rare, threatened, or endangered spp
	Absent (		Mudflat and Open Wat	ter Class Quality
	6d. Microtopograp	• •	0	Absent <0.1ha (0.247 acres)
	Score all present o		1	Low 0.1 to <1ha (0.247 to 2.47 acres)
		ed hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	, , <del>,</del>	woody debris >15cm (6in		High 4he (9.88 acres) or more
	H-10.0	g dead >25cm (10in) dbh		B t.
	Amphibi	an breeding pools	Microtopography Cove 0	Absent
			1	Present very small amounts or if more common
			•	of marginal quality
			2	Present in moderate amounts, but not of highest
				Present in moderate amounts, but not of highest quality or in small amounts of highest quality
( <b>y</b>			3	Present in moderate amounts, but not of highest

Refer to the most recent ORAM Score Calibration Report for the scoring, breakpoints between welland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.htm

Site:		RBW007-4	Rater(s): Re	237 1-	Date: 6-27-07
3	3	Metric 1. Wetland	•		
dilas iš <sub>l</sub> uts	SIANI	Selectione 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 0 3 to <3 acres (0 12 to <1 0 1 to <0 3 acres (0 04 to <1 <0 1 acres (0 04ha) (0 pts)	e 0 2ha; (5 pts) haj (4 pts) ) (3 pts) 2ha) (2pts)		
6	9	Metric 2. Upland	buffers and s	urrounding	land use.
ana- 14 pts .	Subtoral	2a Calculate average buffer width: WIDE Buffers average 50 MEDIUM Buffers average NARROW Buffers average	Selectionly one and assign: m (164ft) or more around we 25m to <50m (82 to <164ft) e 10m to <25m (32ft to <82 iverage <10m (<32ft) aroun Selectione or double cher older forest, prairie, savant shrubland, young second i idential, fenced pasture, pa	score Do not double checitiand perimeter (7) around welland perimeter (f) around wetland perimeter (d) wetland perimeter (0) ck and average (ah. wildlife area, etc. (7) prowth forest (5) rk, conservation tillage, ner	ck (4) er (1)
16	32	Metric 3. Hydrolo	<del>-</del>	_	
era - 22 pls	sut-tota-	3a Sources of Water Score all that High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/intermittent surface water (lak Maximum water depth Select on >0.7 (27 6m) (3)  0.4 to 0.7m (15.7 to 27 6m)  3e Modifications to natural hydrologic Recovered (7)  Recovered (7)  Recent or no recovery (1)	te water (3) e or stream) (5) ly one and assign score (2) c regime Score one or dou	Senveen s Part of wer Part of wer Part of nos Duration intunda Semi- to pr Regularly i Seasonally Seasonally ble check and average point source filling/gradi	loodplain (1)  Idream/lake and other human use (1)  Idrad/lipiand (e.g. forest), complex (1)  anan or upland conidor (1)  Idron/saturation. Score one or dbl check  ermanently inundated/saturated (4)  inundated/saturated (3)  y inundated (2)  y saturated in upper 30cm (12in) (1)  the (nonstormwater)
10,5	35.5	Metric 4. Habitat	Alteration an	d Developme	ent.
mak 20 pis	subtotal	4a Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b Habital development. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c Habital alteration. Score one or development.	e or double check and average one and assign score	ge	
Su	3515 pholal this pag	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances of mowing grazing clearcutting selective culting woody debris remolecularity.	shrub/sapli herbaceou sedimentat dredging	-spil placent

te:	ω-3 F	Rater(s):	Date: 6-2>
35.	5		
Subjetat (7	ıs page		
3.5	-   -		
0 35.5	Metric 5. Special W	etlands.	
· 10 pls subje			
	Bog (10) Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastal/tributary wetlan	d-unrestricted hydrolog	gy (10)
	Lake Erie coastal/tributary wellan		(5)
	Lake Plain Sand Prairies (Oak O	tenings) (10)	
	Relict Wet Praires (10)  Known occurrence state/federal to	hennianad or andonosi	and rapping (10)
	Significant migratory songbird/wa	<del>-</del>	
	Category I Welland See Questi	_	
λ			
0 45		munities, ii	nterspersion, microtopography
20 p1s subla	· · · · · · · · · · · · · · · · · · ·	Vegetation Comm	<del></del>
	Score all present using 0 to 3 scale	0	Absent or comprises <0 tha (0 2471 acres) contiguous area
	Aquatic bed Emergent	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
	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		part and is of high quality
	Other	3	Present and comprises significant part, or more, of wetland's
	6b Ingrizontal (plan view) Interspersion Selectionly one		vegetation and is of high quality
	High' (5)	Narrative Descript	ion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation.
	Low (1)		although nonnative and/or disturbance tolerant native spp
	None (0)  6c Coverage of invasive plants. Refer		can also be present, and species diversity moderate to
	to Table 1 ORAM long form for fist. Add		moderately high, but generallyw/o presence of rare threatened or endangered spp
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	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.
	<b>≯</b> Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
	Nearly absent <5% cover (0) Absent (1)	Muditat and Open	Water Class Quality
		0	Absent <0.1ha (0.247 acres)
			<del>-</del>
	6d. Microtopography Score all present using 0 to 3 scale	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
	6d. Microlopography Score all present using 0 to 3 scale • Vegetated hummucks/tussucks	1 2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	6d. Microlopography Score all present using 0 to 3 scale  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in)	1 2	
	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	2 3	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more
	6d. Microlopography Score all present using 0 to 3 scale  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in)	1 2 3 Microtopography (	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more Cover Scale
	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	2 3	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more
	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	1 2 3 Microtopography 0	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent
	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	1 2 3 Microtopography 0	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common
	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	1 2 3 Microtopography ( 0 1	Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality
<b>Y</b>	6d. Microtopography Score all present using 0 to 3 scale  v Vegetated hummucks/lussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	1 2 3 Microtopography (	Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

Refer to the most recent ORAM Score Cationation Report for the scoring breakpoints between wetland categories at the following address. http://www.epa.state.oh.us/dsw/401/46/1 html

ORAM v. 5.0 Field Form Quantitative Rating Rater(s): Site: Date: Metric 1. Wetland Area (size). Selectione size class and assign score. max 6 pts >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha)r(5 pts) 10 to <25 acres (4 to <10.1ha) (4 pis) 3 to <10 acres (1.2 to <4ka) (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) Metric 2. Upland buffers and surrounding land use. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around welland perimeter (7) 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) Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply, High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wetland/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) Perennial surface water (lake or stream) (5) 3d. Duration inundation/saturation. Score one or dbl check. 3c. Maximum water depth. Select only one and assign score. Semi- to permanently inundated/saturated (4) >0.7 (27.6in) (3) Regularly inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally inundated (2) **★** <0.4m (<15.7in) (1) Seasonally saturated in upper 30cm (12in) (1) 3e. Modifications to natural hydrologic regime. Score one or double check and average. None or none apparent (12) Check all disturbances observed Recovered (7) ditch point source (nonstormwater) Recovering (3) جازز filling/grading dike Recent or no recovery (1) road bed/RR track weir dredging stormwater input oiner Metric 4. Habitat Alteration and Development. 4a. Substrate disturbance. Score one or double check and average. may 20 ots None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average None or none apparent (9) Check all disturbances observed Recovered (6) mowing shrub/sapling removal herbaceous/aquatic bed removal Recovering (3) grazing sedimentation Recent or no recovery (1) clearcutting selective culting dredging woody debris removal farming toxic pollutants nutrient enrichment

Site:	RTW-101	Rater(s):	Mass	Date: 5/7/0
. —	<b>,</b>		, 1 ,	•
40				
	<del></del>			
subtotal thi	is page			
0 46	Metric 5. Special W			
max 10 pls. subject		ed.		
	8og (10) Fen (10)			
	Old growth forest (10)			
	Mature forested welland (5)			
	Lake Erie coastal/tributary wetl	and-unrestricted hydro	ology (10)	
	Lake Erie coastal/tributary wetl	•	gy (5)	
	Lake Plain Sand Prairies (Oak	Openings) (10)		
,	Relict Wet Praires (10)	i itanataaad as aadaa	anned appoint (10)	
	Known occurrence state/federa Significant migratory songbird/v		- · · · · · · · · · · · · · · · · · · ·	
•	Category 1 Wetland. See Que		<del>-</del> • ·	
	3		<b></b>	
10 51	Metric 6. Plant con	nmunities,	interspersion, n	nicrotopography.
max 20 pts. subtot	6a. Wetland Vegetation Communities.	Vegetation Co.	nmunity Cover Scale	
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1	ha (0.2471 acres) contiguous area
	Aquatic bed	. 1	4	ises small part of wetland's
	Emergent		, ·	derate quality, or comprises a
	≥ Shrub In Forest	2	significant part but is of	ises significant part of welland's
	Mudfiels	-	1	derate quality or comprises a small
	Open water		part and is of high quali	
	Other	3	Present and comprises si	gnificant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.	<del>`</del>	vegetation and is of high	) quality
	Select only one.	Marie Dans	dudin	
	High (5)  Moderately high(4)	Managae Desc	ription of Vegetation Quality	oredominance of nonnative or
	Moderate (3)		disturbance tolerant nat	
,	Moderately low (2)	mod	Native spp are dominant	component of the vegetation,
	Low (1)		although nonnative and	or disturbance tolerant native spp
	None (0)	•		d species diversity moderate to
	6c. Coverage of investive plants. Refer	•		nerallywic presence of rare
	to Table 1 ORAM long form for list. Add or deduct points for coverage	high	Ihreatened or endanger	so spp species, with nonnative spp
	Extensive >75% cover (-5)	, , , , , , , , , , , , , , , , , , ,	·	ant native spp absent or virtually
	Moderate 25-75% cover (-3)			versity and often, but not always,
	Sparse 5-25% cover (-1)		the presence of rare, the	eatened, or endangered app
	Nearly absent <5% cover (0)			
	Add Microtocorroba		en Water Class Quality	
	6d. Microtopography.  Score all present using 0 to 3 scale.	0	Absent <0.1ha (0.247 acc Low 0.1 to <1ha (0.247 to	
	Vegetated hummucks/tussucks		Moderate 1 to <4ha (2.47	<del></del>
•	Coarse woody debris >15cm (6		High 4ha (9.88 acres) or r	
	Standing dead >25cm (10in) db	h		
	Amphibian breeding pools	Microtopograp	ny Cover Scale	
		0	Absent	
		- 1	Present very small amour	ILE OF IT THOSE COMMON
			of marginal quality  Present in moderate amore	unts, but not of highest
107 -			quality or in small amou	
CATI	,	3	Present in moderate or gr	
			1	
		<u></u>	and of highest quality	

Refer to the most recent ORAM Score Calibration Report for the acorting breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html

ORAM v. 5.0 Field Form Quantitative Rating -102 Rater(s): Site: Metric 1. Wetland Area (size). 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 agres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04na) (0 pts) Metric 2. Upland buffers and surrounding land use. 2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) 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) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Part of welland/upland (e.g. forest), complex (1) Precipitation (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) Perennial surface water (lake or stream) (5) Duration inundation/saturation. Score one or dbl check. 3d. 3c. Maximum water depth. Select only one and assign score. Semi- to permanently inundated/saturated (4) >0.7 (27.6in) (3) Regularly inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally inundated (2) <0.4m (<15.7in) (1) Seasonally saturated in upper 30cm (12in) (1) 3e. Modifications to natural hydrologic regime. Score one or double check and average. None or none apparent (12) Check all disturbances observed Recovered (7) ditch point source (nonstormwater) Recovering (3). tile filling/grading Recent or no recovery (1) dike road bed/RR track wair dredging stormwater inout ather Metric 4. Habitat Alteration and Development. 4a. Substrate disturbance. Score one or double check and average, max 20 pts. 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) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average. Check all disturbances observed None or none apparent (9) Recovered (6) mowing shrub/sapling removal grazing Recovering (3) herbaceous/aquatic bed removal Recent or no recovery (1) clearcutting sedimentation selective cutting dredging woody debris removal farming nutriept enrichment toxic pollutants tal this page

Site:	<u>R</u>	T-1	0Z		Rater(s):	Rps	Date: 5/3/0	÷
	つ / ubtotal this pa	96				·		
0	٦(	Metri	c 5.	Special W	/etlands	i <b>.</b>		
max 20 pts	20 subtotal	Metri	log (10) len (10) lid growt flature for alke Erie alke Erie alke Plain terict Wer consideration category	h forest (10) rested wetland (5) coastal/tributary wetl coastal/tributary wetl n Sand Prairies (Oak t Praires (10) currence state/federa t migratory songbird/ 1 Wetland. See Que:  Plant con ation Communities.	and-unrestricted and-restricted hy Openings) (10) If threatened or ewater fowl habitastion 1 Qualitativ	ndangered storusage (10 e Rating (-10	species (10) 10)	•
		Score all pr	esent us	ing 0 to 3 scale.		0	Absent or comprises <0.1ha (0.2471 acres) contiguous area	
		□F	quatic be mergent hrub			1	Present and either comprises small part of welland's vegetation and is of moderate quality, or comprises a significant part but is of low quality	
		N	orest Iudilats )pen wat	Br		2	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	
			ther ital (plan	view) Interspersion.		3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality	
		Select only	ane. ligh (5)		Narrative (	Description (	of Vegetation Quality	
			loderatel loderate	y high(4) (3)	lo	>w	Low spp diversity and/or predominance of normative or disturbance tolerant native species	
		i.	loderalei ow (1) lone (0)	y low (2)	m	od	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	

6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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 Amphibian breeding pools

ve Descrip	tion of Vegetation Quality
low	Low spp diversity and/or predominance of nonnative or
	disturbance tolerant native species
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
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

Mudflat and Open Water Class Quality Absent <0.1ha (0.247 acres) 0 1 Low 0.1 to <tha (0.247 to 2.47 acres) 2 Moderate 1 to <4ha (2.47 to 9.88 acres) 3 High 4ha (9.86 acres) or more

Witcrotopography Co	over Scale
0	Absent
1	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
3	Present in moderate or greater amounts and of highest quality

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GRAND TOTAL(max 100 pts)

ORAM v. 5.0 Field Form Quantitative Rating

Site:		2+	ω <u>~</u>	(03	Rater(s):	Repost	Date: 5/7/07
2	2	Meti	ic 1.	Wetla	nd Area (size	e).	
படிக்கு ஓடிக்	Subject, at 8		>50 acre 25 to <5 10 to <2 3 to < 10 0 3 to <3 0 1 to <0	5 acres (4 to < acres (1 2 to < 3 acres (0 12 to	pis) p <20 2ha) (5 pis) 10 1ha) (4 pis) (4ha) (3 pis) o <1 2ha) (2pis) to <0 12ha) (1 pi)		
	7	Meti	ic 2.	Uplan	d buffers an	d surrounding	land use.
ma. 14 pps	subjoia! á	2a Calc	ulate avei MDE I MEDIUM NARRO' VERY M sity of sui VERY LI LOW O MODER	rage buffer wid Buffers average M. Buffers aver W. Buffers aver ARROW. Buff rrounding land DW. 2nd grow Md field (>10 ye ATELY HJGH.	th Selectionly one and as a 50m (164h) or more arous age 25m to <50m (82 to < arage 10m to <25m (32h) ters average <10m (<32h) a use Selectione or double thior older forest, prairie, sears), shrubland, young secresidential, fenced pasture.	sign score. Do not double cheind wetland perimeter (7) 164% around wetland perimeter (5) 25% around wetland perimeter (0) e check and average avannah, wildlife area, etc. (7)	ck r (4) ter (1)
u	18	Metr	ic 3.	Hydro	ology.		
max 59 pas	3	3c Maxi	High pH Other gn Precipital Seasona Perennia mum wati >0.7 (27) 0.4 to 0	illintermitent s il surface wate- er depth Sele- 6in) (3) 7m (15 7 to 27 15 7in) (1) io natural hydro- none apparent ed (7)	or (lake or stream) (5) ct only one and assign scoton) (2) check all disturbatile	Between Part of we Part of rip Regularly Seasonal Seasonal re double check and average nces observed point sour fitting/grac road bed/ dredging	floodplain (1) streamflake and other human use (1) streamflake and other human use (1) strandruptand (e.g. forest), complex (1) sarian or uptand corridor (1) strondsaturation. Score one or dol check bermanently inundated/saturated (4) inundated/saturated (3) by inundated (2) by saturated in upper 30cm (12in) (1) cce (nonstormwater)
					L		
	subiojal 4	ib. Habii	rate distribution of the control of	arbance. Scorn none apparent ed (3) ng (2) or no recovery ( pment. Select (7) d (5) ely good (4) air (2)	e one or double check and (4)		ent.
	30		None or Recovered Recovered	none apparent ed (6)	(9) Check all disturban mowing grazing	nces observed shrub/sap herbaceo sedimenta dredging ramoval farming	ling removal us/aquatic bed removal ution nrichment

Site:	RTW-103	Rater(s):	205/3-	Date: 5 /2/6
3, subsocial is		(	1	·
030	Metric 5. Special \	Wetlands.		
anaa 10 pts Subt		aled  Alland-unrestricted hydrolog  Alland-restricted hydrology  k Openings) (10)  Tal threatened or endanger	(5) red species (10) re (10)	
nan 20 pts Subb	Metric 6. Plant col		=	crotopography.
max 20 gts subk	Score all present using 0 to 3 scale	Vegetation Comm 0	<del></del>	0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises	
	/- Emergent		vegetation and is of modera	
	/ - Shrub		significant part but is of low	•
	Z_Forest	. 2	Present and either comprises	
	Mudfals		vegetation and is of modera	te quality or comprises a small
	Open water		part and is of high quality	
	Other Other 6b horizontal (plan view) Interspersion	3	Present and comprises signification and is of high our	cant part, or more, of wetland's ality
	Select only one			
	High (5)	Narrative Descript	ion of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or pred-	ominance of nonnative or
	Moderate (3)		disturbance tolerant native s	
	Moderately low (2)	mod	Native spp are dominant comp	-
	Law (1)		<b>*</b>	isturbance tolerant native spp
	[[None (0)] 6c. Coverage of invasive plants. Refer		can also be present, and sp	•
	to Table 1 ORAM long form for list. Add		moderately high, but general standardered s	-
	or deduct points for coverage	high	threatened or endangered s  A predominance of native spe	
	Extensive >75% cover (-5)	··· <b>-</b>	·	native spp absent or virtually
	Moderate 25-75% cover (-3)		absent, and high spp diversi	ty and often, but not always,
	Sparse 5-25% cover (-1)		the presence of rare, threate	ened, or endangered spp
	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)	
	. Vegetated hummucks/tussuck		Moderate 1 to <4ha (2.47 to 5	
	t. Coarse woody debris >15cm ( t. Standing dead >25cm (10in) o		High 4ha (9.88 acres) or more	·
	Amphibian breeding pools	Microtopography (	Cover Seale	
	I when any of a county books	0	Absent	
		1	Present very small amounts or	if more common
			of marginal quality	
~ ~		2	Present in moderate amounts.	but not of highest
CATI			quality or in small amounts of	•
		3	Present in moderate or greate	e amounts
		ŭ	T	

Refer to the most recent ORAM Score Calibration Report for the segring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401,html

Site:	RTW-104 Rater(s): Ryasky Thomograpate: 5/7/07
2 2	Metric 1. Wetland Area (size).
mer iš pes subjekul	Selectione 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)
79	Metric 2. Upland buffers and surrounding land use.
ma, iq pis subjetol	Calculate average buffer width. Select only one and assign score. Do not double check  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7)  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).  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7).  LOW Old field (>10 years), shrubland, young second growth forest. (5).  MODERATELY HIGH. Residential, lenced pasture, park, conservation tillage, new fallow field. (3).  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
16 25	∐Metric 3. Hydrology.
mar 19 pis sublqish	Sources of Water Score all that apply  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennal surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  Por (27 6in) (3)  O 4 to 0 7m (15 7 to 27 6in) (2)  Modifications to natural hydrologic regime Score one or double check and average  Connectivity Score all that apply  100 year floodplain (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of reparlian or upland (e.g. forest), complex (1)  Part of vettand/upland (e.g. forest), complex
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Recovering (3) Recent or no recovery (1)  Recovering (3) Recent or no recovery (1)
125 37.5	Metric 4. Habitat Alteration and Development.
max 20 pis subtotal	4a Substrate disturbance Score one or double check and average.  None or none apparent (4)  Recovering (2)  Recent or no recovery (1)  4b. Habital development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to (air (2)  Poor (1)  4c. Habital alteration. Score one or double check and average.
37,5 subtotal this pa	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)

te:	RTW.104	Rater(s):	Date: 5/
	<b>a</b>		•
37.5			
subtotal this (	l Page		
0 200	7		
O 13%3	Metric 5. Special W	etlands.	
10 pts subjetat	Check all that apply and score as indicated		
	Bog (10)		
	Fen (10)		
	Old growth forest (10)  Mature forested wetland (5)		
	Lake Erie coastal/tributary wetlar	nd-unrestricted hydro!	oov (10)
	Lake Erie coastal/iributary wetlar	•	•
	Lake Plain Sand Prairies (Oak O	•	
	Relict Wet Praires (10)		
	Known occurrence state/federal	_	
	Significant migratory songbird/wa  Category 1 Welland See Quest		
	Category   Welland See doest	toti i Qualitalive Kalif	ig (- 10)
39.5	Metric 6. Plant com	munities.	interspersion, microtopograph
20 pls subtotat	6a Wetland Vegetation Communities		munity Cover Scale
	Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.2471 acres) contiguous ar
	Aquatic bed	1	Present and either comprises small part of wetland's
	, Emergent		vegetation and is of moderate quality, or comprises a
	Shrub  Shrub	2	significant part but is of low quality
	Z Forest Mudfials	2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a sm
	Open water		part and is of high quality
	Other		Present and comprises significant part, or more, of wetten
	6b horizontal (plan view) interspersion.		vegetation and is of high quality
	Select only one	Alexandra Baras	Condition of North Condition
	High (5) Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)	.0.7	disturbance tolerant native species
	Moderately low (2)	bom	Native spp are dominant component of the vegetation.
	Low (1)		although nonnative and/or disturbance tolerant native sp
	None (0)		can also be present, and species diversity moderate to
	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add		moderately high, but generallyw/o presence of rare
	or daduct points for coverage	high	A predominance of native species, with nonnative spp
	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)	Mudflet and One	n 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 2.47 acres)
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	Coarse woody debris > 15cm (6in		High 4ha (9.88 acres) or more
			· Access Book
	1. Standing dead >25cm (10in) dbh		/ Gover Scale
		Microtopography	Abcort
	1. Standing dead >25cm (10in) dbh	Microtopography 0	Absent Present very small amounts or if more common
	1. Standing dead >25cm (10in) dbh	0	Present very small amounts or if more common
	<ul> <li>Standing dead &gt;25cm (10in) doh</li> <li>Amphibian breeding pools</li> </ul>	0	
<sup>7</sup> ATA	<ul> <li>Standing dead &gt;25cm (10in) doh</li> <li>Amphibian breeding pools</li> </ul>	0 1	Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality
ATA	1. Standing dead >25cm (10in) dbh	0 1	Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between welland categories at the following address. http://www.epe.state.oh.us/dew/401/401.htm

Site:	RTW-104 Rater(s): Record Thomas Pate: 5/7/07
2 2	Metric 1. Wetland Area (size).
dNa+ijpls, sd©total	Selectione size class and assign score  >50 acres (>20 2ha) (6 pts)  25 to <50 acres (10 tito <20 2ha) (5 pts)  10 to <25 acres (4.to <10 tha) (4 pts)  3 to <10 acres (1 2 to <4ha) (3 pts)  y 0 3 to <3 acres (0 12 to <1 2ha) (2pts)  0 1 to <0 3 acres (0 04 to <0 12ha) (1 pt) <p>&lt;0 1 acres (0 04ha) (0 pts)</p>
79	Metric 2. Upland buffers and surrounding land use.
may 14 pts subbital	2a Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE Buffers average 50m [164ft] or more around wetland perimeter (7).  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).  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest prairie, savannah, wildlife area, etc. (7).  LOW Old field I>10 years), shrubland, young second growth forest. (5).  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow held. (3).  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (11).
16 25	_Metric 3. Hydrology.
ivės Prints Suludia	3a Sources of Water Score all that apply  I high pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennial surface water (lake or stream) (5)  Maximum water depth Setect only one and assign score  Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  3c Maximum water depth Setect only one and assign score  4c Maximum water depth Setect
	None or none apparent (12)   Check all disturbances observed   Point source (nonstormwater)
125 37.5	Metric 4. Habitat Alteration and Development.
max 20 pts sublotal	Substrate disturbance. Score one or double check and average  None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  Habitat development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to lair (2)  Poor (1)  Habitat alteration. Score one or double check and average.
37,5	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)

Site:		12	TW	104	Rater(s):	Re	235/2	Date: 5/7/
				,		. 4		
32	5							
10%								
Sublotal (nis	290							
0 37.4	5 N	let	ric 5	Special W	otlande			
mar 10 pts sultota				y and score as indicated				
mai 10 pts sultera	# <b>(</b> ,1		Bog (10)	•	•			
		$\vdash$	Fen (10)					
			Old grow	rth forest (10)				
			Mature fi	prested wetland (5)				
		<u> </u>	-1	e coastal/Iributary wetlar	-		)]	
		-	_	coastal/tributary wetlar		alogy (5)		•
		$\vdash$	-	in Sand Prairies (Oak O et Praires (10)	penings) (10)			
			1	ccurrence state/federal	threatened or end	langered Sc	ecies (10)	
			7 .	nt migratory songbird/wa		-		
			Categon	I Welland See Quest	ion 1 Qualitative f	Rating (-10)	i	
12 39.	<u>دا 5</u>			51	*4*			
16 2"		let	ric 6.	Plant com	munities	s, inte	rspersion, mi	crotopography.
max 20 pris sublotal			-	tation Communities	Vegetation C	ommunity		<u> </u>
	Sc	or <u>e al</u>	Aquatic t	sing 0 to 3 scale	0			(0 2471 acres) Contiguous area
		-	Entergen		•		Present and either comprises vegetation and is of modera	
		<b> </b>	Shrub				significant part but is of low	
		Z	Forest		2		Present and either comprises	· · · · · · · · · · · · · · · · · · ·
			Mudflats				vegetation and is of modera	ate quality or comprises a small
		<u> </u>	Open wa	ler			part and is of high quality	
	e L		Olher	t	3	ł		cant part, or more, of wetland's
			romas (prac nly one	i view) Interspersion			vegetation and is of high qu	auty
	-		High (5)		Narrative Des	scription o	f Vegetation Quality	
				ly high(4)	low		Low spp diversity and/or pred	ominance of nonnative or
		$\boxtimes$	Moderate	(3)			disturbance tolerant native :	species
		Ľ	1	ely <b>low</b> (2)	mod	, )	Native spp are dominant com	ponent of the vegetation,
		-	Low (1)				<del>-</del>	disturbance lolerant native spp
	60		INone (0) erage of in	vasive plants Refer		ĺ	can also be present, and sp moderately high, but genera	•
				ong form for list. Add			threatened or endangered a	
				coverage	high		A predominance of native spe	
		$\vdash$	Extensive	>75% cover (-5)			and/or disturbance tolerant	native spp absent or virtually
		7	4	25-75% cover (-3)		į	,	ily and often, but not always.
		-	4 '	·25% cover (-1) sent <5% cover (0)			the presence of rare, threate	ened, or endangered spp
		-	Absent (1		Muzifiat and (	Onen Wate	r Class Quality	
	<b>6</b> d	Mice	olopograpi	•	0		Absent <0.1ha (0.247 acres)	
				sing 0 to 3 scale.	1		Low 0.1 to <1ha (0.247 to 2.4	7 acres)
		$\Box$	Vegetate	d hummucks/tussucks	2		Moderate 1 to <4ha (2.47 to 9	9.88 acres)
		12	1	oody debris >15cm (6in	)3_		High 4ha (9.88 acres) or more	:
		1	•	dead >25cm (10in) dbh				
		17	Menipia	n breeding pools	Microtopogra			
					0		Absent Present very small amounts o	r if more common
					•		of marninal quality	

CATA

39.5 GRAND TOTAL(max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring, breakpoints between weiting categories at the following address. http://www.epa.state.oh/us/dswi401/401 html

2

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:		RTW	1.08	Rater(s):	REPAIL	4	Date:	5/2/07
	2	2	Metric 1	. Wetland	Area (siz	ze).			
	max 5 pts.	subtotal	>50 ac 25 to < 10 to <	class and assign score res (>20.2ha) (6 pts) 50 acres (10.1 to <20. 25 acres (4 to <10.1ha	) (4 pts)	·			•
ı		<del>1 7</del> -	0.3 to	0 acres (1.2 to <4ha) ( <3 acres (0.12 to <1.2f <0.3 acres (0.04 to <0. cres (0.04ha) (0 pts)	a) (2pts)				
	4	6	Metric 2	. Upland b	uffers a	nd surro	unding land	use.	
•	max 14 pts.	Subtolal	WIDE. MEDIL NARRO VERY 2b. Intensity of s	erage buffer width. Se Buffers average 50m IM. Buffers average 2: OW. Buffers average NARROW. Buffers av surrounding land use. LOW. 2nd growth or o	(184ft) or more arc firm to <50m (82 to 10m to <25m (32ft erage <10m (<32ft Select one or dout	ound wetland pering <164ft) around we to <82ft) around to ) around wetland pole check and ave	neter (7) etland perimeter (4) vetland perimeter (1) perimeter (0) rage.		
[	1 4-	1 19:	3 MODE MIGH.	Urban, industrial, oper	ential, fenced past pasture, row crop	ure, park, conserv	ation tillage, new fallow fie	Hd. (3)	
ł	14	116		. Hydrolog Vater, Score all that a		26	Conceptivity Spare all th	at manh.	•
	max 30 pts.	sublote!	High pl Other of Precipi Season	vater, Score all fillat all H groundwater (5) proundwater (3) tation (1) nat/intermittent surface plat surface water (lake	water (3)	到	Connectivity. Score all the 100 year floodplain (  Between streamflake Part of wetland/uplar Part of riperian or upl Duration inundation/sature	t) and other huma ad (e.g. forest), ca and corridor (1)	emplex (1)
)			3c. Maximum we >0.7 (2 0.4 to 0 <0.4m	ater depth. Select only (7.6in) (3) 0.7m (15.7 to 27.6in) (2 (<15.7in) (1) s to natural hydrologic	one and assign so	core.	Semi- to permanently Regularly inundated/ Seasonally inundated Seasonally saturated	inundated/satur saturated (3) I (2)	aled (4)
			None of Recove	or none apparent (12) ored (7) wing (3) or no recovery (1)	Check all disturb ditch tile dike weir stormwater	ances observed	point source (nonstor filling/grading road bed/RR track dredging other	mwater)	
	9	26	]  Metric 4	. Habitat A	Iteration	and Dev	/elopment.		
1	max 20 pts.	subtotal	4a. Substrate dis None of Recover Recover	sturbance. Score one or none apparant (4) ared (3) aring (2) or no recovery (1) dopment. Select only out (7)	or double check an	d average.			
			Fair (3) Poor to	ately good (4) fair (2)	uble check and ave	erage			
		26	3 × Recove	of none apparent (9) Fred (6) Fring (3) Fring (1) Fring (1)	Check all disturb  mowing grazing y clearculting selective cu woody debr toxic pollute	liting is removal	shrub/sapling remove therbacecus/squatic to sedimentation dredging farming nutrient enrichment		
	:	subtotal this pa	gė		L				. •

Site:		RTW 105	Rater(s):	eporky-	Date: 5/2/07
subto	26 tal this pag			<b>,</b>	· · · · · · · · · · · · · · · · · · ·
	7 fo	Metric 5. Special V	Vetlande		
max 10 pts. s	ubiolal	Check all that apply and score as indical			
ings to pea.		Bog (10)			
		Fen (10)			
		Old growth forest (10)			
		. Mature forested wetland (5)			•
		Lake Erie coastal/tributary wet	• •		
		Lake Erie coastal/tributary wet	,	1	
		Lake Plain Sand Prairies (Oak Relict Wet Praires (10)	Openings) (10)		
		Known occurrence state/federa	al threatened or endangered	Species (10)	
		Significant migratory songbird/			•
		Category 1 Wetland. See Que	stion 1 Qualitative Rating (-	10)	
10	Alp				_
14 1		Metric 6. Plant con	nmunities, int	terspersion, mic	rotopography.
	ubiotal	6a. Wetland Vegetation Communities.	Vegetation Commun		
	28	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 :	
		/ Emergent		vegetation and is of moderat	- · ·
	•	Shrub 2 Forest	2	Significant part but is of low of significant and either comprises	
		Muditals	2	Present and either comprises :	e quality or comprises a small
		V Open water		part and is of high quality	o quanty of comprison a small
		Other	3	Present and comprises signific	ant part, or more, of wetland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high que	dity
		Select only one.			
		High (5)		n of Vegetation Quality	
		Moderately high(4) Moderate (3)	łow	Low spp diversity and/or predo	
		Z Moderately low (2)	mod	disturbance tolerant native s Native spp are dominant comp	
	•	Low (1)	,,,,,,	1	sturbance tolerant native spp
		None (0)		can also be present, and spe	•••
		6c. Coverage of invasive plants. Refer		moderately high, but general	lyw/o presence of rare
•		to Table 1 ORAM long form for list. Add		threatened or endangered sp	<u> </u>
		or deduct points for coverage	, high	A predominance of native spec	
		Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance telerant n	
				absent, and high spp diversit the presence of rare, threater	•
		Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open Wa	ater 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 2.47	
		9 Vegetated hummucks/tussucks		Moderate 1 to <4ha (2.47 to 9.	88 acres)
		2 Coarse woody debris >15cm (6 ) Standing dead >25cm (10in) dt		High 4ha (9.88 acres) or more	
		1 Amphibian breeding pools	Microtopography Co	var Srala	
		pools	0	Absent	
			1	Present very small amounts or	if more common
				of marginal quality	
			2	Present in moderate amounts.	
(AT	<u> </u>			quality or in small amounts of	
CAT.			3	Present in moderate or greater	aiuonus
		r.		and of highest quality	
## GI	RANI	TOTAL(max 100 pts)	•		

ORAM v. 5.0 Field Form Quantitative Rating Rater(s): Site: Metric 1. Wetland Area (size). Selectione size class and assign score Data G pre->50 acres (>20 2ha) (6 pts) 25 to <50 acres (10 1 to <20 2ha) (5 pts) 10 to <25 acres (4 to <10 tha) (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) Metric 2. Upland buffers and surrounding land use. 2a Calculate average buffer width. Selectionly one and assign score. Do not double check WIDE Buffers average 50m (184ft) or more around wetland perimeter (7) MEDIUM Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW Buffers average 10m to <25m (32ft to <62ft) around wetland perimeter (1) VERY NARROW: Buffers average <10m (<32ft) around wetland perimeter (0) Intensity of surrounding land use. Select one or double check and average VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW Old field (>10 years), shrubland, young second growth forest (5) MODERATELY HIGH Residential, fenced pasture, park-conservation tillage, new failow field (3) HIGH Urban, industrial, open pasture, row cropping, mining, construction, (1) Metric 3. Hydrology. Sources of Water Score all that apply 3b Connectivity Score all that apply High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wetland/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of nearian or upland corridor (1) Perennial surface water (lake or stream) (5) Duration inundation/saturation. Score one or dbt check 3d Maximum water depth. Select only one and assign score Semi- to permanently inundated/saturated (4) >0 7 (27 6in) (3) Regularly inundated/saturated (3) 0.4 to 9 7m (15 7 to 27 6in) (2) Seasonally inundated (2) > <0 4m (<15 7m) (1) Seasonally saturated in upper 30cm (12in) (1) Modifications to natural hydrologic regime. Score one or double check and average. None or none apparent (12) Check all disturbances observed Recovered (7) ditch point source (nonstormwater) Recovering (3) filling/grading tile Recent or no recovery (1) dike road bed/RR track Weif dredging stormwater input other Metric 4. Habitat Alteration and Development. 4a. Substrate disturbance. Score one or doubte check and average. sublojai 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) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habital alteration. Score one or double check and average. None or none apparent (9) Check all disturbances observed Recovered (6) mowing shrub/sapling removal Recovering (3) grazing herbaceous/aquatic bed removal Recent or no recovery (1) clearcutting sedimentation selective cutting dredging woody debris removal farming toxic pollutants nutrient enrichment

ite:	RTW-110 R	ater(s): K	spring Date: 5/8
36			
) 36		Alexale	
	·	uanus.	
×10 pis subtot	Bog (10) Fen (10) Old growth forest (10)		
	Mature forested wetland (5)  Lake Erie coastal/tributary wetland  Lake Erie coastal/tributary wetland		
-	Lake Plain Sand Prairies (Oak Op Relict Wet Praires (10)		
	Known occurrence state/federal th Significant migratory songbird/wati	•	
	Category 1 Wetland. See Question	•	• • •
8 44	Metric 6. Plant comm	nunities, ii	nterspersion, microtopograph
x 20 pis sublex	6a Wetland Vegetation Communities	Vegetation Comm	
	Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.2471 acres) contiguous are
	Aquatic bed	1	Present and either comprises small part of wetland's
	1 Emergent 5 Shrub		vegetation and is of moderate quality, or comprises a 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 sm.
	Open water		part and is of high quality
	Other	3	Present and comprises significant part, or more, of wetland
	6b horizontal (plan view) Interspersion.		vegetation and is of high quality
	Select only one		
	High (5)	Narrative Descript	ion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)	-	disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation.
	Low (1)		although nonnative and/or disturbance tolerant native sp
	None (0)  6c. Coverage of invasive plants. Refer		can also be present, and species diversity moderate to
	11 4 5 5 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1		moderately high, but generallywio presence of rare
	to table 1 ORAM long form for list. Add or deduct points for coverage	high	A predominance of native species, with nonnative spp
	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
	Sparse 5-25% cover (-1) Nearly absent <5% cover (0)		
	Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)		Water Class Quality
	Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microlopography.	0	Water Class Quality Absent <0.1ha (0.247 acres)
	Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.	0 1	Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)
	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	0 1 2	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.86 acres)
	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)	0 1	Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)
	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 2 3	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	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)	0 1 2	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	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 2 3 Microtopography (	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale
	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 2 3 Microtopography 0	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale  Absent
	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 Amphibian breeding pools	0 1 2 3 Microtopography 0	Water Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common
, A.T	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 Amphibian breeding pools	0 1 2 3 Microtopography ( 0 1	Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale  Absent  Present very small amounts or if more common of marginal quality
CAT.	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 Amphibian breeding pools	0 1 2 3 Microtopography ( 0 1	Water Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.86 acres) High 4ha (9.88 acres) or more  Cover Scale  Absent Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest

Refer to the most recent ORAM Scare Calibration Report for the scoring breakpoints between welland dategories at the following address: http://www.epa.state.oh.us/dsw/401/401.htm

'ORAM v. 5.0 Field Form Quantitative Rating

Site:	RTW-109	Rater(s):	Report	Date: 5/8/07
	] Metric 1. Wetland	Area (siz	e).	
mida (j. příš – pautodi, ii	Selectione 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 1ha  3 to <10 acres (1 2 to <4ha)  0 3 to <3 acres (0 12 to <1 2to <0 1 2to	2ha) (5 pts) ≥) (4 pts) (3 pts) na) (2pts)		
14 15	Metric 2. Upland b	ouffers ar	nd surrounding	land use.
тал I4 p15 — хионоТай	NARROW Buffers average VERY NARROW Buffers av  Intensity of surrounding land use VERY LOW 2nd growth or of LOW Old field (>10 years). MODERATELY HIGH Resid	(164ft) or more aro 5m to <50m (82 to 10m to <25m (32ft erage <10m (<32ft) Select one or dout ider forest, prairie, shrubland, young si lential, fenced pasti	und wetland perimeter (7) <164ft) around wetland perimet to <82ft) around wetland perimet around wetland perimeter (0) le check and average. savannah, wildlife area; etc. (7)	er (4) eter (1)
14 29	Metric 3. Hydrolog	ay.		
man அறிs subucial	3a Sources of Water Score all that a High pH groundwater (5) Cother groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lake 3c Maximum water depth Selectionly 30 / 127 6in) (3) 0 4 to 0 7m (15 7 to 27 6in) (3) < 0 4m (<15 7in) (14) 3e Modifications to natural hydrologic	water (3) or stream) (5) one and assign so	100 year Between Part of w Part of n 3d Duration inuni ore Semi- to Regulari Seasona Seasona	Score all that apply floodplain (1) stream/lake and other human use (1) retland/upland (e.g. forest), complex (1) parian or upland corridor (1) dation/saturation. Score one or oblicheck permanently inundated/saturated (4) y inundated/saturated (3) illy inundated (2) illy saturated in upper 30cm (12in) (1)
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturb ditch tile dike weir stormwater	point sou filling/gra road bed dredging	/RR track
13 42	Metric 4. Habitat A	lteration	and Developm	ent.
max 20 pts sublotal	4a Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only of Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (2) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or do	or double check an	d average.	
	None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	Check all disturb: mowing grazing clearcutting selective cu	shrub/sa herbaced sediment ting dredging	ll .
7/2	}	woody debri toxic poliuta		enrichment

Site:	RT40-105	Rater(s):	m3/2 Date: 5/	11/
site:	10 1007	Rater(s):	pate: ) /	010
<u> </u>	<del></del> 1	, (	•	
14	, İ			
Enbiolaj i	ns page			
A 16	2			
0 1 4	✓  Metric 5. Special W	etlands.		
tax 10 pals sub-				
	Bog (10)			
	Fen (10)			
	Old growth forest (10)			
	Mature forested wetland (5)			
	Lake Erie coastal/tributary wetter		• • •	
	Lake Ene coastal/tributary wette		5)	
	Lake Plain Sand Prairies (Oak C	(10) penings)		
	Relict Wet Praires (10) Known occurrence state/federal	theastoned or andoneous	nd cooring (10)	
	Significant migratory songbird/w			
	Category 1 Welland. See Quest	-		
/		ton i gasalare comg	( · •/	
< 14	Metric 6. Plant com	munities, ir	nterspersion, microtopograp	hv.
a 20 pts subl		Vegetation Commi		, . , <b>y</b> .
34 20 pris 31100	Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.2471 acres) contiguous	S ALEB
	Aquatic bed	1	Present and either comprises small part of wetland's	
	Emergent		vegetation and is of moderate quality, or comprises a	,
	- Shrub		significant part but is of low quality	
	Forest	2	Present and either comprises significant part of wetland	d's
	Mudifiets		vegetation and is of moderate quality or comprises a	smali
	Open water	<del></del>	part and is of high quality	
	Other	3	Present and comprises significant part, or more, of wetl	lland's
	6b horizontal (plan view) Interspersion. Selectionly one	<del></del>	vegetatron and is of high quality	
	High (5)	Navrativa Descripti	on of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or	
	Moderate (3)		disturbance tolerant native species	
	Moderately low (2)	mad	Native spp are dominant component of the vegetation,	
	Low,(1)		although normative and/or disturbance tolerant native	spp
	None (0)		can also be present, and species diversity moderate to	to
	6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of rare	
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	
	or deduct points for coverage	high	A predominance of native species, with nonnative spp	A.H
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance tolerant native spp absent or virtual	•
	Sparse 5-25% cover (-1)		absent, and high sop diversity and often, but not alway the presence of rare, threatened, or endangered sop	
	Nearly absent <5% cover (0)	<del></del>	and production or rottly enterential, or distanguistic 340	
	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 2.47 acres)	
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)	
	Coarse woody debris >15cm (6in		High 4ha (9.88 acres) or more	
	Slanding dead >25cm (10in) dbh		•	
	Amphibian breeding pools	Micretopography C		
		<u>0</u>	Absent Persons and amounts as if more common	
		1	Present very small amounts or if more common	
		2	of marginal quality  Present in moderate amounts, but not of highest	
		4	1	
ايست سير	•		( CASIMA OF M. SUMM SHOOTICS OF HIGHEST GROWTH	
AT I	ND TOTAL(max 100 pts)	3	quality or in small amounts of highest quality :  Present in moderate or greater amounts	

Metric 1. Wetland Area (size).  Select one size class and assign score	<del>, , , ,</del>
Select one size class and assign score    3-50 acres (-20 2ha) (6 pts)	
So acres (<20 2ha) (6 pts)	
25 to <50 acres (10 to <20 2ha) (4 pis)	
3 to < 10 acres   1 2 to <4 ha)   3 pis  20 3 to <3 acres (0 12 to <1 zha)   2 pits  21 to <0 3 acres (0 04 ha) (0 pits)  Metric 2. Upland buffers and surrounding land use.  22 Calculate average buffer width Select only one and assign score. Do not double check  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7)  MEDIUM Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (1)  NARROW Buffers average <10m (<32m (32h to <32h) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32h) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32h) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32h) around wetland perimeter (1)  VERY LOW 2nd growth or older forest prairie, savenanh, widitide area, etc. (2)  LOW Old field (>10 years) shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, lenced pasture, park, conservation titlage, new fallow field (3)  HIGH Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a Sources of Waler. Score all that apply.  3b Connectivity Score all that apply.  3c May and other human to the part of wetland/pland (e.g. forest), companient of wetland/pland (e.g. forest), companient of wetland/pland (e.g. forest), companient of wetland/pland (e.g. forest), companiently infundated/saturated (3)  Verennal surface water (fake or stream) (5)  3c Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign score  3o Maymmun water depth. Select only one and assign sco	
Metric 2. Upland buffers and surrounding land use.  2	
Metric 2. Upland buffers and surrounding land use.  2a Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7).  MEDIUM Buffers average 25m (x <50m (82 to <164ft) around wetland perimeter (4).  NARROW Buffers average 10m to <25m (32h to <62th) around wetland perimeter (1).  VERY NARROW Buffers average 10m to <25m (32h to <62th) around wetland perimeter (1).  VERY LOW 2nd growth or older forest, praine, savannah, wildle area, etc. (2).  ELOW 30t feeld (x 10) years) shrubland, young second growth forest, (5).  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fattow heid. (3).  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1).  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  3b Connectivity. Score all that apply.  3c Sources of Water. Score all that apply.  3d Duration injundation/saluration. Score one or double check and average.  Percipitation (1).  Seasonal/Intermittent surface water (3).  Percental surface water (4ke or stream) (5).  3d Duration injundation/saluration. Score one or double check and average.  None or none apparent (12).  Recovered (7).  Recovered (7).  Recovering (3).  Reconline no recovery (1).	
2a Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7).  MEDILIM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4).  NARROW Buffers average 25m to <25m (32ft) around wetland perimeter (1).  VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (1).  VERY LOW 2nd growth or older forest, graine, savannah, wildlife area, etc. (2).  LOW Old field (>10 years) shrubland, young second growth roset, (5).  MODERATELY HIGH. Residential, lenced pasture, park, conservation titlage, new fallow field. (3).  HIGH. Urban, industrial, open pasture, row dropping, mining, construction. (1).  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  3b Connectivity. Score all that apply.  4b Precipitation (1).  Seasonal/Intermittent surface water (3).  Pan of restanding deg. forest), companies and restanding and restanding deg. forest), companies and restanding and restanding deg. forest, companies and restanding and restanding and restanding deg. forest, conservation titlege. new fallow field. (3).  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  3b Connectivity. Score all that apply.  3c Connectivity. Score all that apply.  3c Duration inundation/saluration. Score one or restanding and restanding degree and restanding and restandi	
2a Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7).  MEDILIM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4).  NARROW Buffers average 25m to <25m (32ft) around wetland perimeter (1).  VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (1).  VERY LOW 2nd growth or older forest, graine, savannah, wildlife area, etc. (2).  LOW Old field (>10 years) shrubland, young second growth roset, (5).  MODERATELY HIGH. Residential, lenced pasture, park, conservation titlage, new fallow field. (3).  HIGH. Urban, industrial, open pasture, row dropping, mining, construction. (1).  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  3b Connectivity. Score all that apply.  4b Precipitation (1).  Seasonal/Intermittent surface water (3).  Pan of restanding deg. forest), companies and restanding and restanding deg. forest), companies and restanding and restanding deg. forest, companies and restanding and restanding and restanding deg. forest, conservation titlege. new fallow field. (3).  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  3b Connectivity. Score all that apply.  3c Connectivity. Score all that apply.  3c Duration inundation/saluration. Score one or restanding and restanding degree and restanding and restandi	
WIDE Buffers average 50m (164ft) or more around wetland perimeter (7)  MEDIUM Buffers average 25m (< 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 to <25m (32ft to < 82ft) around wetland perimeter (0)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (2)  LOW Old field (>10 years) shrubland, young second growth forest, (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3b. Connectivity. Score all that apply.  Between stream/lake and other human to the proundwater (3)  Precipitation (1)  Seasonal/intermittent surface water (3)  Perennal surface water (lake or stream) (5)  3c. Maximum water depth. Select only one and assign score.  Semi-to permanently inundated/saturated (3)  Regularly mundated/saturated (3)  Seasonally saturated in upper 30cm (12)  Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12)  Recovering (3)  Recovering (3)  Recovering (3)  Recovering (3)  Recovering (3)	
NARROW Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (0)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (2)  LOW Old field (>10 years), shrubland, young second growth forest, (5)  MODERATELY HIGH. Residential, lenced pasture, park, conservation tillage, new fellow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water. Score all that apply.  1b	
VERY NARROW Buffers average < 10m (<32ft) around wetland perimeter (0)  2b Intensity of surrounding land use Select one or double check and average.  VERY LOW 2nd growth or older forest, prainle, savannah, wildlife area, etc. (7)  LOW Old field (>10 years). Shrubland, young second growth forest, (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row dropping, mining, construction. (1)  Metric 3. Hydrology.  3a Sources of Water. Score all that apply.  Dither groundwater (3)  Precipitation (1)  Seasonall/intermittent surface water (3)  Performal surface water (take or stream) (5)  Maximum water depth. Select only one and assign score.  >0.7 (27 6in) (3)  0.4 to 0.7m (15.7 to 27 6in) (2)  4 m (<15.7 in) (1)  3e Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12)  Recovering (3)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)	
VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (?)  LOW Old field (>10 years). Shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fellow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water. Score all that apply.  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/intermittent surface water (3)  Perennal surface water (lake or stream) (5)  Meximum water depth. Select only one and assign score  20 7 (27 6in) (3)  0 4 to 0 7m (15 7 to 27 6in) (2)  20 4m (<15 7m) (1)  3e. Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12)  Recovering (3)  Recovering (3)  Recent or no recovery (1)  Recent or no recovery (1)  Recent or no recovery (1)	
LOW Old field (>10 years). Shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, lenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water. Score all that apply.  3b. Connectivity. Score all that apply.  4 high pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennual surface water (take or stream) (5)  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water depth. Select only one and assign score.  3c. Maximum water topith. Select only one and assign score.  3c. Maximum water topith. Select only one and assign score.  3c. Seasonally inundated/saturated (3)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12)  Recovered (7)	
Metric 3. Hydrology.  3a Sources of Water Score all that apply.  3b Connectivity Score all that apply.  4county Precipitation (1)  4county Percentage surface water (3)  5county Percentage surface water (3)  6county Score all that apply 100 year floodplain (1)  7county Percentage surface water (3)  7county Percentage surface water (3)  8county Percentage surface water (3)  9county Percentage surface water (4)	
Sources of Water Score all that apply High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennal surface water (lake or stream) (5)  Maximum water depth Select only one and assign score Seasonally inundated/saturated (3) Post of (27 6in) (3) Outline inundation/saturation. Score one or Semi- to permanently inundated/saturated (3) Regularly inundated (2) Seasonally inundated (2) Seasonally inundated (2) Seasonally saturated in upper 30cm (12) Recovered (7) Recovered (7) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  Sources of Water Score all that apply 100 year floodplain (1) Between stream/lake and other human to perform the stream/lake and other human the stream/lake and other human the stream/lake and the stream/lake and other human the stream the stream/	
Sources of Water Score all that apply High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennal surface water (lake or stream) (5)  Maximum water depth Select only one and assign score Seasonally inundated/saturated (3) Post of (27 6in) (3) Outline inundation/saturation. Score one or Semi- to permanently inundated/saturated (3) Regularly inundated (2) Seasonally inundated (2) Seasonally inundated (2) Seasonally saturated in upper 30cm (12) Recovered (7) Recovered (7) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  Sources of Water Score all that apply 100 year floodplain (1) Between stream/lake and other human to perform the stream/lake and other human the stream/lake and other human the stream/lake and the stream/lake and other human the stream the stream/	
High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/intermittent surface water (3)  Perennal surface water (lake or stream) (5)  3c Maximum water depth Select only one and assign score  Maximum water depth Select only one and assign score  Seasonally inundated/saturated (3)  O 4 to 0 7m (15 7 to 27 6m) (2)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12)  Recovered (7)  Recovering (3)  Recent or no recovery (1)  Recent or no recovery (1)  I 00 year floodplain (1)  Between stream/lake and other human to wetland/upland (e.g. forest), com Pan of wetland/upland (e.g. forest), com P	
Precipitation (1)  Seasonal/intermittent surface water (3)  Perfennal surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  Pan of riparian or upland corridor (1)  Duration inundation/saturation. Score one or Maximum water depth Select only one and assign score  Semi- to permanently inundated/saturated (3)  Pan of riparian or upland corridor (1)  Semi- to permanently inundated/saturated (3)  Semi- to permanently inundated/saturated (3)  Seasonally inundated (2)  Check all disturbances observed  Recovered (7)  Recovered (7)  Recovered (7)  Recovering (3)  Recent or no recovery (1)  Recovering (3)  Recent or no recovery (1)	
Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  Semi- to permanently inundated/saturated (3)  Regularly inundated/saturated (3)  A to 0 7m (15 7 to 27 6in) (2)  A m (<15 7 in) (1)  Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Recent or no recovery (1)  Pan of riparian or upland corridor (1)  Duration inundation/saturation. Score one or Semi- to permanently inundated/saturated (3)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12)  Check all disturbances observed  point source (nonstormwater) filling/grading road bed/RR track dredging	
Maximum water depth Select only one and assign score    20 7 (27 6in) (3)	
Po 7 (27 6in) (3)  Q 4 to 0 7m (15 7 to 27 6in) (2)  Seasonally inundated/saturated (3)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12)  Modifications to natural hydrologic regime. Score one or double check and average.  Check all disturbances observed  Recovered (7)  Recovering (3)  Recent or no recovery (1)  Recovering (3)  Recent or no recovery (1)	
Seasonally saturated in upper 30cm (12)  Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Recent or no recovery (1)  Seasonally saturated in upper 30cm (12) Check all disturbances observed point source (nonstormwater) filling/grading road bed/RR track dredging	
None or none apparent (12)  Recovered (7)  Recovering (3)  Recent or no recovery (1)  Check all disturbances observed  point source (nonstormwater) filling/grading road bed/RR track weir  dredging	in) (3)
Recovered (7) Recovering (3) Recent or no recovery (1)  Recovering (3)  Recent or no recovery (1)  Recovering (3)  It is title filling/grading road bed/RR track dredging	
Recovering (3)  Recent or no recovery (1)	
weir dredging	
	-
12 나무 Metric 4. Habitat Alteration and Development.	
20 Ms sublotal 4a. Substrate disturbance. Score one or double check and average.  None or none apparent (4)	
X Recovered (3)	
Recovering (2) Recent or no recovery (1)	
4b. Habital development. Select only one and assign score.	
Excellent (?) Very good (6)	
Good (5)	
Moderately good (4) Fair (3)	
Poor to fair (2)	
4c. Habital alteration Score one or double check and average.	
None or none apparent (9) Check all disturbances observed	
Y Recovered (6) mowing shrub/sapling removal Recovering (3) grazing herbaceous/aquatic bed removal	
Recent or no recovery (1) clearcutting sedimentation	
メ selective cutting dredging woody debris removal farming	
toxic pollutants nutrient enrichment	

ORAM v. 5.0 Field	Form Quantitative Rating			
Site:	RTW108 1	Rater(s):	Repart	Date: 7/8/0
/ C			,	
06	Metric 5. Special W	etlands.		
ina x tô pis subto		id-unrestricted hydro id-restricted hydro penings) (10) hreatened or end iter fowl habitat or	ology (5) angered species (10) rusage (10)	
D 10	/		•	nicrotopography.
max 20 pts subto			ommunity Cover Scale	
	Score all present using 0 to 3 scale	0		1ha (0.2471 acres) contiguous area
	Aquatic bed 2 Emergent	1		inses small part of wetland's oderate quality, or comprises a
	2 Shrub		significant part but is of	
	Foresi	2		rises significant part of wetland's
	Mudflats		vegetation and is of mo	oderate quality or comprises a small
	/ Open water		part and is of high qual	ity
	Other	3	i i	ignificant part, or more, of wetland's
	5b horizontal (plan view) Interspersion		vegetation and is of hig	in quality
	Select only one High (5)	Narrotina Cor	resinting of Vocatotion Augini	
	Moderately high(4)	low	scription of Vegetation Quality	predominance of nonnative or
	Moderate (3)	1511	disturbance tolerant na	•
	X Moderately low (2)	mod		component of the vegetation.
	Low (1)		although nonnative and	i/or disturbance tolerant native spp
	None (0)		can also be present, an	nd species diversity moderate to
	<ol><li>6c. Coverage of invasive plants. Refer</li></ol>		moderately high, but ge	enerallyw/o presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endanger	red spp
	or deduct points for coverage	high	<b>!</b> •	species, with normative spp
	Extensive >75% cover (-5)			rant native spp absent or virtually
	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		1	iversity and often, but not always, ireatened, or endangered spp
	Nearly absent <5% cover (0)		The presence of rare, th	reatened, or endangered spp
	Absent (1)	Mudflat and C	Open Water Class Quality	
	6d Microlopography.	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	7 to 9.88 acres)
	Coarse woody debris > 15cm (6in)	3	High 4ha (9.88 acres) or i	more
	Standing dead >25cm (10in) dbh			
	Amphibian breeding pools		phy Cover Scale	
		0	Absent Proportion and amount	nto or if more on the
		1	Present very small amoun	TES OF IT INDIFE COMMINGE
		2	of marginal quality	unter heit out of history
ما الم	-	2	Present in moderate amo quality or in small amou	
CATI		3	Present in moderate or gr	
			and of highest quality	
AT II	ND TOTAL(max 100 pts)			

Refer to the trips recent ORAM Store Calibration Report for the scoring breaknaints between welland detending at the following address: bits //www.one.state.ch us/fits///distributions

Site:	27w 107 Rater(s):	Crash Date: 5/8/07
3 3	Metric 1. Wetland Area (size)	
mar is pix substan	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)	(10+, b, c, d)
12 15	Metric 2. Upland buffers and	surrounding land use.
maa lii prs subliceel	2a Calculate average buffer width. Setect only one and assign with DE Buffers average 50m (164ft) or more around MEDIUM Buffers average 25m to <50m (82 to <164 NARROW Buffers average 10m to <25m (32ft to <164 VERY NARROW Buffers average <10m (<32ft) around in the Setect one or doubte of VERY LOW 2nd growth or older forest praine, saverage <10W Old field (>10 years), shrubland, young secon MODERATELY HIGH. Residential, fenced pasture, the HIGH. Urban, industrial, open pasture, row cropping	in score. Do not double check wettand perimeter,(7) Ift) around wetland perimeter (4) 82ft) around wetland perimeter (1) und wetland perimeter (0) heck and average, annah, wildlife area, etc. (7) digrowth forest. (5) park, conservation tillage, new fallow field. (3)
17 32	Metric 3. Hydrology.	
max 30 pgs subtogai	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)  Maximum water depth Select only one and assign score  >0.7 (27 6in) (3)  0.4 to 0.7m (15.7 to 27 6in) (2) <a href="#"> <a h<="" td=""><td>point source (nonstormwater)  filling/grading road bed/RR track dredging</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	point source (nonstormwater)  filling/grading road bed/RR track dredging
13 45	Metric 4. Habitat Alteration a	nd Development.
wax 20 pis subloial	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 Habital development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor 4o fair (2)  Poor (1)  4c. Habitat alteration. Score one or double check and average	erage.
45	None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)  Check all disturbance mowing grazing clearcutting selective cutting woody debris rer toxic pollutants	s observed  shrub/sapting removal herbaceous/aquatic bed removal sedimentation dredging

Site:	RTW 107	Rater(s):	Chast	Date: / 8/0
one.		Mater(5).	19041	Date. 5/8/0
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10				
10				
subtotal this p	age			
_				
010	Metric 5. Special \	Netlands.		
nax 10 pls suptotal	Check all that apply and score as indica			
200	Bog (10)			
	Fen (10)			
	Old growth forest (10)			
	Mature forested wetland (5)			
	Lake Erie coastal/fributary we	tiand-unrestricted hydro	logy" (10)	
	Lake Erie coastal/tributary we	tland-restricted hydrolo	gy (5)	
	Lake Plain Sand Prairies (Oal	(Openings) (10)		
	Relict Wet Praires (10)			
	Known occurrence state/fede	ral threatened or endan	gered species (10)	
	Significant migratory songbird	/water fowl habitat or us	age (10)	
<del></del>	Category 1 Wetland. See Qu	estion 1 Qualitative Rat	ing (-10)	
10/10		***		
10/10	jMetric 6. Plant coו	nmunities,	interspersion,	microtopography.
ax 20 prs subtotal	6a Wetland Vegetation Communities	Vegetation Con	munity Cover Scale	
	Score all present using 0 to 3 scale	0		0 tha (0.2471 acres) contiguous area
	Aquatic bed	1		oprises small part of wetland's
	Emergent		-	moderate quality, or comprises a
	Z Shrub Z Forest	2	significant part but is	
	Mudflats	2		nposes significant part of wetland's moderate quality or comprises a small
	Open water		part and is of high qu	· •
	Other	3		s significant part, or more, of wetland's
	6b horizonial (plan view) Interspersion		vegetation and is of t	= :
	Select only one			
	High (5)	Narrative Descr	iption of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/o	or predominance of nonnative or
	Moderate (3)		disturbance tolerant r	native species
	Moderately low (2)	mod	Native spp are dominar	nt component of the vegetation.
	Low (1)		1 7	nd/or disturbance tolerant native spp
	None (0)		· '	and species diversity moderate to
	6c. Coverage of invasive plants. Refer		1	generallywio presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endang	
	or deduct points for coverage Extensive >75% cover (-5)	high	· '	ive species, with nonnative spp ilerant native spp absent or virtually
	Moderate 25-75% cover (-3)		i i	diversity and often, but not always,
	★ Sparse 5-25% cover (-1)			threatened, or endangered spp
	Nearly absent <5% cover (0)	<del></del>	tile processes or reserv	Hadamariad, de dispensión de del
	Absent (1)	Mudflat and Op	en Water Class Quality	
	6d. Microtopography.	O	Absent <0.1ha (0.247)	acres)
	Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247	to 2.47 acres)
	Vegetated hummucks/tussuck	s <u>2</u>	Moderate 1 to <4ha (2	47 to 9.88 acres)
	Z_ Coarse woody debris >15cm (	6in) <u>3</u>	High 4ha (9.88 acres) o	or more
	Standing dead >25cm (10in) d	bh		
	Amphibian breeding pools	Microtopograph		
		0	Absent	
1.		1		ounts or if more common
			of marginal quality	
<u>-</u>		2		nounts, but not of highest
AT I	D TOTAL (max 100 pts)	3		ounts of highest quality
7		v	Present in moderate or and of highest quality	

Refer to the most recent ORAM Score Calibration Report for the scoring, breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/#01.html

ite:	R.TW 107	Rater(s):	Kass !	Date: 5/8/
	<del></del>			
10				
subtotal II				
Sabiota	is page			
00	Metric 5. Spec	ial Watlande		
<u> </u>	<del></del>			
a 10 pts subte		as indicated		
	Bog (10) Fen (10)			
	Old growth forest (10)	•		
	Mature forested wetla		•	
	<del>  </del>	utary wetland-unrestricted hydr	ology (10)	
	<del> </del>	utary wetland-restricted hydroli	= -	
	<del></del>	ries (Oak Openings) (10)	•	•
	Relict Wet Praires (10	0)		
	Known occurrence sta	ete/federal threatened or enda-	igered species (10)	
	Significant migratory s	songbird/water fowl habitation i	sage (10)	
<del></del>	Category i Welland	See Question 1 Qualitative Ra	ting (+10)	
יו לאו	1   1   2   2   2   2   2   2   2   2			
10 1	∕IWetric 6. Plant	communities,	interspersion,	microtopography
s 20 pts surfa	•		mmunity Cover Scale	
	Score all present using 0 to 3 sc			) 1ha (0 2471 acres) contiguous area
	Aqualic bed    Emergent	1	ľ	prises small part of welland's
	2 Shrub		significant part but is	noderate quality, or comprises a not low quality
	2 Foresi	2		prises significant part of welland's
	Mudflats		i	noderate quality or comprises a smat
	Open water		part and is of high qua	
	Other	3	Present and comprises	significant part, or more, of wetland's
	6b horizontal (plan view) Inters	persion	vegetation and is of h	igh quality
	Selectionly one			
	High (5)		ription of Vegetation Quality	
	Moderately high(4)	low	1	r predominance of nonnative or
	Moderate (3)  Moderately low (2)	mod	disturbance tolerant n	ative species It component of the vegetation.
	Low (1)	11100	1 ''	nd/or disturbance tolerant native spp.
	None (0)		I "	and species diversity moderate to
	6c Coverage of invasive plants	. Refer		generallywlo presence of rare
	to Table 1 ORAM long form for i		threatened or endang	•
	or deduct points for coverage	high	A predominance of nativ	re species, with nonnative spp
	Extensive >75% cover	r (-5)	and/or disturbance to	erant native spp absent or virtually
	Moderate 25-75% cov	` '		diversity and often, but not always.
	Sparse 5-25% cover (		the presence of rare,	threatened, or endangered spp
	Nearly absent <5% co		Marie Committee	
	Absent (1) 6d. Microtopography.	Mudriat and Op	en Water Class Quality Absent <0.1ha (0.247 a	Agench'
	Score all present using 0 to 3 so	<del></del>	Low 0.1 to <1ha (0.247	
	Vegetated hummucks	<del></del>	Moderate 1 to <4ha (2.4	
	Z Coarse woody debris		High 4ha (9.88 acres) or	
	Standing dead >25cm	1		
	Amphibian breeding p		hy Cover Scale	
	armed .	0	Absent	
		1	Present very small amor	unis or if more common
			of marginal quality	
		2		ounts, but not of highest
17 1	ND TOTAL(max 100 pts			ounts of highest quality
		3	Present in moderate or (	greater amounts
			and of highest quality	

Site:	RTW 107	Rater(s):	Rpask	Date: 5/8/0 7
3 3	Metric 1. Wetland	Area (siz	e).	_
mand pts supported	Selectione size class and assign score >50 acres (>20 2ha) (6 pts) 25 to <50 acres (+10 1) to <20 10 to <25 acres (+10 1) to <40 acres (1 to <40 tha) 0 3 to <3 acres (0 12 to <4 tha) 0 1 to <0 3 acres (0 04 to <0 <0 1 acres (0 04ha) (0 pts)	e r 2ha) (5 pts) la) (4 pts) (3 pts) tha) (2pts)	~/.	(10+, b, c, d)
12 15	Metric 2. Upland I	buffers an	d surrounding l	and use
mgs 14 ptp - 5s/epital	2a Calculate average buffer width S  WIDE Buffers average 50m  MEDIUM Buffers average 2  NARROW Buffers average  VERY NARROW Buffers as  2b Intensity of surrounding land use  VERY LOW 2nd growth or  X LOW Old field (>10 years)	electionly one and as ti(154th) or more arou 25m to <50m (82 to < 10m to <25m (32th to verage <10m (<32ft). Selectione or doubli older forest, prairie, s shrubland, young ser dential, fenced pastur	sign score. Do not double check and wetland perimeter (?) 164ft) around wetland perimeter (0 <62ft) around wetland perimeter around wetland perimeter (0) is check and average avannah, wildlife area, etc. (?) condigrowth forest. (5) re. park, conservation tillage, new	.4) r (1)
17/32	Metric 3. Hydrolog	gy.		
munika subbala	3a Sources of Waler Score all that a High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lake 3c Maximum water depth Selection) >0.7 (27 6in) (3) 0.4 to 0.7m (15.7 to 27.6in) () <a href="#">40.4m &lt; 15.7in (1)</a> 3e Modifications to natural hydrologic	e water (3) e or stream) (5) y one and assign sco 2)	Part of well. Part of npart Duration inundat re Semi- to pe Regularly in Seasonally X Seasonally	
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbated distribution of the disternance of the state of	point source filling/gradin road bed/Rf dredging	Rirack
13 45	Metric 4. Habitat A	Alteration	and Developme	nt.
nax 20 pls subtotal	4a Substrate disturbance Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b Habitat development Select only ( Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to lair (2) Poor (1) 4c Habital alteration Score one or do	or double check and one and assign score	average	
45 subjoid fits pac	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbate mowing grazing dearcutting selective cutter woody debris toxic pollutant	nces observed shrub/saplin herbaceous sedimentation dredging farming	aquatic bed removal an

te:	RTW 1.7	Rater(s):	1945 Date: 5/8/
	7		
10			
Subtotal this p			
SUBIOLAR HAS P	Ť		
00	Metric 5. Special W	etlands.	
ιῦ ρ13 subiolai	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-uncestricted hydrolo	ov (10)
	Lake Erie coastal/tributary wetlan	•	
	Lake Plain Sand Prairies (Oak Op	•	
	Relict Wet Praires (10)	- , , ,	
	Known occurrence state/federal to	hreatened or endange	red species (10)
	Significant migratory songbird/wa	ter fowl habitat or usa	ge (10)
<del></del>	Category 1 Wetland See Questi	on 1 Qualitative Rating	g (-10)
0 0	Martin C. Dlant com.		utavanavaian miavatavaavanku
		•	nterspersion, microtopography nunity Cover Scale
20 pfs subtotal	Score all present using 0 to 3 scale	0	Absent or comprises <0 that (0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises small part of wetland's
	1 Emergent		vegetation and is of moderate quality, or comprises a
	Shrub		significant part but is of low quality
	7 Foresi	2	Present and either comprises significant part of wetland's
	Mudflats		vegetation and is of moderate quality or comprises a small
	Open water	<del></del>	part and is of high quality
	Other	3	Present and comprises significant part, or more of wetland's
	6b Inorizontal (plan view) Interspersion Selectionly one		vegetation and is of high quality
	High (5)	Narrative Descrip	tion of Vegetation Quality
	Moderately high(4)	łow	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	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
	6c Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of rare
	to Table 1 ORAM long form for list. Add	A	threatened or endangered spp
	or deduct points for coverage  Extensive >75% cover (-5)	high	A predominance of native species, with nonnative spp 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
	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 2.47 scres)
		2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	1 Vegetated hummucks/tussucks		
	Vegetated hummucks/tussucks     Coarse woody debris > 15cm (6in)		High 4ha (9.88 acres) or more
	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	3	
	Vegetated hummucks/tussucks     Coarse woody debris > 15cm (6in)	3 Microtopography	Cover Scale
	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	3	
	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	3 Microtopography 0	Cover Scale Absent
	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	3 Microtopography 0	Cover Scale  Absent Present very small amounts or if more common
17 <b>- T</b>	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	Microtopography 0 1	Cover Scale  Absent Present very small amounts or if more common of marginal quality
47 <b>J</b> GRAN	Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Slanding dead >25cm (10in) dbh	Microtopography 0	Cover Scale  Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

te:	RTW107 R	tater(s):	Past Date: 5/8/
	7		
10			
subjectal this pa	I		
	7		
00	Metric 5. Special We	etlands.	
10 pts subtolat	Check all that apply and score as indicated		
, p	Bog (10)		
	Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastal/tributary wetland	d-unrestricted hydrolo	gy (10)
	Lake Erie coastal/tributary welland	d-restricted hydrology	(5)
	Lake Plain Sand Prairies (Oak Op	enings) (10)	
	Relict Wet Praires (10)		
	Known occurrence state/federal (h	•	• • • •
	Significant migratory songbird/wat Category 1 Welland See Question		<del>-</del>
<del></del>	T Calegory i Welland See Cloesing	an i Coamanas Kanid	3 (-10)
0 10	Metric 6 Plant com	nunities i	nterspersion, microtopography
<u> </u>		•	
20 prs surriotal	6a Welland Vegetation Communities Score all present using 0 to 3 scale	vegetation Comm	Absent or comprises <0 the (0.2471 acres) contiguous area
	Aquatic bed		Present and either comprises small part of welland's
	I Emergent	•	vegetation and is of moderate quality, or comprises a
	5 Shrub		significant part but is of low quality
	7 Forest	2	Present and either comprises significant part of wetland's
	Mudflats		vegetation and is of moderate quality or comprises a small
	Open water		part and is of high quality
	Olher	3	Present and comprises significant part, or more, of welfand's
	6b horizontal (plan view) interspersion		vegetation and is of high quality
	Select only one	Name to Dec. 1	Maria de Maria de Maria de Maria
	High (5)	low	tion of Vegetation Quality
	Moderately high(4)  Moderate (3)	IOW	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	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
	6c Coverage of invasive plants Refer		moderately high, but generallywlo presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endangered spp
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	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 Occo	Minted Class Quality
	6d. Microtopography.	0	Water Class Quality Absent <0.1ha (0.247 acres)
	Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
	Vegetated hummucks/lussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	Z_ Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more
	1 Standing dead >25cm (10in) dbh		
	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
47 <b>1</b> 5 GRAN		3	Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts

woody debris removal

toxic pollutants

farming

nutrient enrichment

CATIL

Microtopography Cover Scale Absent Q 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 3 Present in moderate or greater amounts and of highest quality

High 4ha (9.88 acres) or more

GRAND TOTAL(max 100 pts)

Coarse woody debris >15cm (6in)

Standing dead >25cm (10in) dbh Amphibian breeding pools

3

ORAM V. 5.	0 Field Fo	orm Quantitative R		<del></del>		·		
Site:		RTW 10	3	Rater(s):	Roas	K-	Date:	5/8/07
3	3	] Metric 1	. Wetland	Area (siz	:e).	,	<i></i> *	~
eus Gris	Sintol R	>50 ac 25 to 4 10 to 4 3 to 4 0 3 to 4	lass and assign score res (>20 2ha) (6 pts) 50 acres (10 1 to <20 3 25 acres (4 to <10 tha) 0 acres (1 2 to <4ha) (3 acres (0 12 to <1 2h 0 3 acres (0 04 to <0 3 acres (0 04ha) (0 pts)	i) (4 pts) 3 pts) ia) (2pts)			(10+	b, c, d)
12	15	Metric 2	. Upland b	uffers an	d surro	unding	land use.	
(Ng. 14 94 S	signoral	2a Calculate av WIDE MEDIU NARRO VERY 2b Intensity of s VERY XLOW MODE	erage buffer width. Se Buffers average 50m in M. Buffers average 25 DW. Buffers average 15 NARROW. Buffers average in unrounding land use LOW. 2nd growth or o Did field (>10 years) is RATELY HIGH. Resid Urban, industrial, oper	lectionly one and a (164ft) or more arou 5m to <50m (82 to < 0m to <25m (32ft) erage <10m (<32ft) Selectione or doub Ider forest iprairie, hrubland, young se ential, fenced pastu	ssign score Do und wetland peris- 164ft) around wito <82ft) around around wetland the check and ave savannah, wildlift econd-growth for ure, park, conser	not double ch meter.(7) etland perimel wetland perime perimeter (0) erage e area, etc. (7 est. (5) vation tillage, i	eck ser (4) eter (1)	
177	32	7	Hydrolog		- gg.	,		
174 - 35 <b>819</b>	Sule Mar	3a Sources of V High ph Other g Precipil Season APPerenn 3c Maximum was 20 7 (2 0 4 to 0	later - Score alt that ap I groundwater (5) roundwater (3)	water (3) or stream) (5) one and assign sco ) egime Score one	3d ore or double check	100 yea Batweer Part of v Part of r Part of r Part of r Regulari Season X Season	Score all that apply infloodplain (1) in stream/lake and other his vertand/upland (e.g. forest, uparian or upland corridor (idanon/saturation Score to permaniently inundated/sity inundated/saturated (3) ally saturated in upper 30c.	), complex (1) (1) one or dbl check aturated (4)
		Recove		Check all disturbated of the title dike were stormwater is		filling/gra (oad bæd dredging	URR track	
12	45	Motric 4	Habitat A	Iteration	and De	volonn	ent	•
mai 70 pas	* Introduce	4a Substrate dis None di Y Recove Recove Recent 4b. Habitat devel Exceller Very go Good (5 V Modera Fair (3) Poor-to Poor (1)	ring (2) or na recovery (1) opment Select only o at (7) od (6) ely good (4)	or double check and	daverage e.	v e to pri		
şu	45 Underlat Was par	Recove Recover Recont		Check ell disturba mowing grazing clearcutting selective cutt woody debris toxic pollutan	ling s removal	herbacer sødimen dredging farming		

Site:		2+W 106	Rater(s): (	epask_	Date: 5/8/07
2	2	Metric 1. Wetlan	d Area (size)		, , , , , , , , , , , , , , , , , , ,
MILL G PAS	subtedal	Select one size class and assign so  >50 acres (>20 2ha) (6 pt  25 to <50 acres (10 1 to <  10 to <25 acres (4 to <10  3 to <10 acres (1 2 to <4h  0 3 to <3 acres (0 12 to <  0 1 to <0 3 acres (0 04 to	ore s) 20 2ha) (5 pts) 1ha) (4 pts) a) (3 pts) I 2ha) (2pts) <0 12ha) (1 pt)	•	
7	,	<0 1 acres (0 04ha) (0 pts	•		and 11aa
14 pts	sublotal	MEDIUM Buffers average NARROW Buffers average VERY NARROW Buffers 2b Intensity of surrounding tand us VERY LOW. 2nd growth LOW Old field (>10 year MODERATELY HIGH Ri	Select only one and assign Om (164ft) or more around vide 25m to <50m (82 to <164ft) ge 10m to <25m (32ft to <8 average <10m (<32ft) arous Select one or double char older forest, prairie, savais), shrubland, young second	a score Do not double check vettand perimeter (?) it) around wetland perimeter (?) it) around wetland perimeter (0) eck and average, anah, wildlife area, etc (?) I growth forest. (5) ark, conservation tillage, new	4) (1)
7) pts	13 subsolal	Metric 3. Hydrol  3a Sources of Water Score all that High pH groundwater (5) Other groundwater (3)  Precipitation (1)  Seasonal/intermittent surfl  3c. Maximum water depth. Select of 30,7 (27 6in) (3)  0.4 to 0.7 m (15.7 to 27.6in) (1)  3e. Modifications to natural hydrology (1)  None or none apparent (1)  Recovered (7)  Recovering (3)  Recent or no recovery (1)	at apply  ace water (3)  ake or stream) (5)  only one and assign score  ) (2)  gic regime. Score one or do	Part of wella Part of riper 3d. Duration inundate Semi- to per Regularly in Seasonally in Seasonally in seasonally in seasonally in seasonally in	odplain (1) eam/lake and other human use (1) and/upland (e.g. forest), complex (1) ian or upland corridor (1) on/saturation. Score one or dbf check imanently inundated/saturated (4) undated/saturated (3) inundated (2) saturated in upper 30cm (12in) (1) (nonstormwater)
8	21	  Metric 4. Habitat	Alteration ar	nd Developme	nt.
mas 20 pts	sublocket	4a. Substrate disturbance. Score o None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select on Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2)	ne or double check and ave	•	
	27 ubloral finis page	4c. Hebital alteration. Score one or  None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)		shrub/saplin herbaceous/ sedimentatio dredging	aquatic bed removal

21 01 at times pass 21		•	ater(s):	JOAS SIL	Date: 5/8/0
				•	<b>-</b>
21	ge <b>7</b>				
است	84-4-i- E O	:-! 18/-	41		
	]Metric 5. Sp		tiands.	1	
subtotal	Check all that apply and so	core as indicated			
	Bog (10) Fen (10)				
	Old growth fores	t (10)			
	Mature forested	welfand (5)			
	<del></del>	· ·	-	ralogy (5)	
			mnge) (10)		
	<del></del>		estened or en	dangered species (10)	
	<b>—</b>			• •	
	Category 1 Wetla	and. See Question	1 Qualitative	Rating (-10)	
14	Matria C. Dia			- !	
					microtopograpny.
sublotal	•				the 10 7471 seme) continuous cons
		, , , , , , , , , , , , , , , , , , , ,	1		prises small part of wetland's
	Emergent			vegetation and is of m	noderate quality, or comprises a
	L Shrub			significant part but is o	
	}		2		prises significant part of wetland's
				1 -	oderate quality or comprises a small
	Other		3		significant part, or more, of wetland's
	6b horizontal (plan view) le	nterspersion.		vegetation and is of hi	gh quality
	<b>—</b>				
	<del>  </del>				
		•,	iow.	1	•
		2),	mod		t component of the vegetation.
	Low (1)			although nonnative an	d/or disturbance tolerant native spp
	•			Y '	nd species diversity moderate to
	-		high		re species, with normative spp
	Extensive >75% of	cover (-5)	·	1 '	erant native spp absent or virtually
				• ''	liversity and often, but not always,
	<del></del>			the presence of rare, if	hreatened, or endangered spp
		75 COVE! (U)	Mudflat and	Open Water Class Quality	
	6d. Microtopography		0	Absent <0.1ha (0.247 a	Cres)
			1	Low 0.1 to <1ha (0.247 t	o 2.47 acres)
			2	Moderate 1 to <4ha (2.4	
		•	3	riigh 4ha (9.88 acres) or	more
			Microtopoan	aphy Cover Scale	
	- Indianal	<del></del>	0	Absent	
			1	Present very small amou	ints or if more common
				of marginal quality	
			2	1	· · · · · · · · · · · · · · · · · · ·
<b>ア</b> シ			3	Present in moderate or g	
				and of highest quality	
1		Lake Erie coasta Lake Frie coasta Lake Plain Sand Rehct Wet Praire Known occurrent Significant migra Category 1 Wetta  Metric 6. Pla  Metric 6. Pla  Metric 6. Pla  Metric 6. Pla  Aquatic bed Emergent Shrub Forest Mudflats Open water Other Other Gb horizontal (plan view) is Selectionly one High (5) Moderately high(- Moderately low (2) Low (1) None (0) 6c. Coverage of invesive p to Table 1 ORAM long form or deduct points for coverage Extensive >75% co Mearly absent <5; Absent (1) 6d. Microtopography Score all present using 0 to Vegetated hummi Coarse woody de Standing dead >2 Amphibian breedi	Lake Erie coastal/tributary wetland Lake Plain Sand Prairies (Oak Oper Relict Wet Prairies (10) Known occurrence state/federal three Significant migratory songbird/water Category 1 Wetland. See Question  Metric 6. Plant commodities Score all present using 0 to 3 scale Aquatic bed Emergent Shrub Forest Mudflats Open water Other Other High (5) Moderately high(4) Moderately low (2) Low (1) None (0) 6c. Coverage of invesive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-3) Moderate 25-75% cover (-3) Sperse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography Score all present using 0 to 3 scale.  L Vegetated hummucks/tussucks 1 Coarse woody debris >15cm (6in) J Standing dead >25cm (10in) dbh Amphibian breeding pools	Lake Erie coastal/tributary wetland-unrestricted hydrology in the coastal/tributary wetland-restricted	Lake Ene coastal/tributary wetland-unrestricted hydrology (10) Lake Ene coastal/tributary wetland-restricted hydrology (5) Lake Plain Sand Prairies (04) Coperings (10) Rehict Wet Prairies (10) Known occurrence state/federal threatened or endangered species (10) Significant migratory songbird/water fowl habitat or usage (10) Category 1 Wetland. See Question 1 Qualitative Rating (-10)  Metric 6. Plant communities, interspersion, Sa Welland Vegetation Communities Score all present using 0 to 3 scale  Aquatic bed Emergent Shrub Forest Open water Other Other Other High (5) Moderated (plan view) Interspersion. Selectionly one High (5) Moderated (3) Moderated points for coverage Extensive > 75% cover (-5) Moderate 25-75% cover (-1) Nearly absent < 5%, cover (-1) Nearly absent < 5%, cover (-1) Nearly absent < 5%, cover (0) Absent (1)  6d. Microtopography Score all present using 0 to 3 scale  Vegetation and is of interspersion. Selectionly one Matrix Description of Vegetation Quality Nearly absent < 5%, cover (-1) Nearly absent < 5%, cover (-1) Nearly absent < 5%, cover (-1) Madifiat and Open Water Class Quality Ohe Absent (1) Amphibian breeding pools  Microtopography Cover Scale Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present in moderate am quality or install amo of marginal quality Present in moderate am quality or install amo of marginal quality Present in moderate am quality or install amo of marginal quality Present in moderate am quality or install amo of marginal quality Present in moderate am quality or install amo of marginal quality and of highest quality or install amo of marginal quality Present in moderate am quality or install amo of marginal quality.

ORAM v. 5.0 Field Form Quantitative Rating

Site:	<u> </u>	2+W 106	Rater(s):	Sepask-	Date:	5/8/07
2	2	Metric 1. Wetla	ınd Area (siz	œ).		
Mar G pfS	Set (Hot 3)	>50 elect one size class and assign   >50 acres (>20 2ha) (6   25 to <\$0 acres (10 1)   10 to <25 acres (4 to <	5 pts) to <20 2ha) (5 pts) (10 1ha) (4 pts) <4ha) (3 pts) o <1 2ha) (2pts) (1 o <0 12ha) (1 pt)		•	
3	5	  Metric 2. Uplan	id buffers ar	nd surrounding	a land use.	
Maa 14 gis	subtotal	2a Calculate average buffer wid VIDE Buffers average MEDIUM Buffers ave NARROW Buffers ave VERY NARROW Buffers 2b Intensity of surrounding land VERY LOW 2nd grow LOW Old field (> 10 ye MODERATELY HIGH.	ith Select only one and a e \$0m (164ft) or more and rage 25m to <60m (82 to erage 10m to <25m (32ft lers average <10m (<32ft luse Select one or dout the or older forest, prairie, ears), shrubland, young sakesidential, fenced past	issign score. Do not double ch und wettand perimeter (7) <164ft) around wettand perime to <82ft) around wettand perime around wettand perimeter (0) ble check and average savannah, wildlife area, etc. (7	neck eler (4) neter (1)	
8	13	Metric 3. Hydro	ology.			
nia. 30 pis	subiotal	3a Sources of Water Score all High pH groundwater (3) Precipitation (1) Seasonal/Intermittent s Perennial surface water 3c Maximum water depth Sele >0 7 (27 6in) (3) 0 4 ta 0 7m (15 7 to 27 <0 4m (<15 7in) (1) 3e Modifications to natural hydromaphics of the covered (7) Recovered (7)	surface water (3) If (lake or stream) (5) If anly one and assign so If (2) If (2) If (2) If (3) If (	ore 100 year Between Part of the Part of t	Score all that apply ar floodplain (1) in stream/lake and other hum wettand/upland (e.g. forest), inparian or upland corndor (1) indation/saturation. Score one opermanently inundated/saturated (3) is ally inundated (2) is ally saturated in upper 30cm ource (nonstormwater).	complex (1) e or dbl check grated (4)
		Recent or no recovery		dredging	d/RR track	
8		Metric 4. Habita		<del>-</del>	nent.	
max 20 pts	septata	4a Substrate disturbance. Scon None or none apparent Recovered (3) Recovering (2) Poor (6) Recovering (2) Poor (6) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c Habitat atteration Score one	. (1) (1) conly one and assign score	re.		
, [	21	None or none apparent Recovered (6) Recovering (3) Recent or no recovery (	(9) Check all disturb	ances observed  shrub/sa herbace sedimer dredging s removal  shrub/sa	l,	

te:	27	W-	-10	6	Rater(s):	Papasker	Date: //8/
		_		/		Variation 1	5/2
	21						
,	Sabtola) this pa	⊸l ge					
7		7					
0	21	Met	tric 5.	Special	Wetlands.		
10 pts	Subjetal	-		y and score as ind		•	
		Γ	Bog (10)	, 000-0 00	70100		
			Fen (10)				
			Old grow	th forest (10)			
				prested wetland (5)			
		_	<del>_</del> 1	-	welland-unrestricted h		
		-	<b>-</b>	-	welland-restricted hyd	rology (5)	
		<u> </u>		in Sano Prairies (C et Praires (10)	Dak Openings) (10)		
		- F		• •	forst threatened or en	dangered species (10)	
		<b>-</b>	—		ird/water fowl habitat i	•	
					Question 1 Qualitative	• • •	
	-6	]					
	195	Met	ric 6.	Plant co	ommunitie	s, interspers	sion, microtopography
20 ors	subtotal	_		ation Communities		Community Cover Scale	
		Score a	all present us	sing 0 to 3 scale	0	Absent or co	mprises <0.1ha (0.2471 acres) contiguous area
		<u> </u>	Aquatic b		1	Present and	either comprises small part of wetland's
		<u> </u>	Emergeni	t		-	and is of moderate quality, or comprises a
		Н	Shrub Forest				part but is of low quality
		⊢	Mudflats		2		either comprises significant part of wetland's and is of moderate quality or comprises a small
		<u> </u>	Open wal	Ier		ļ ~	of high quality
		<u> </u>	Other		3		comprises significant part, or more, of wetland
		6b ho	rizontal (plar	ı view) Interspersio	on	ì	and is of high quality
		Select o	only one	•	<del></del>		
			High (5)		Narrative De	scription of Vegetation	
		i–	_	ly high(4)	lov		ersity and/or predominance of nonnative or
		<u> </u>	Moderate				e tolerant native species
		F	Fow (1)	lly low (2)	mo	1	re dominant component of the vegetation,
		┝	None (0)			1	onnative and/or disturbance tolerant native spp present, and species diversity moderate to
		6c. Co		vasive plants. Ref	er	E .	high, but generallyw/o presence of rare
				ong form for list. A		1 '	or endangered spp
		or dedu	ict points for	coverage	hig		nce of native species, with nonnative spp
			Extensive	>75% cover (-5)		and/or distr	urbance tolerant native spp absent or virtually
		Ļ		25-75% cover (-3)	)	ſ	d high spp diversity and often, but not always.
		1-7	<b>⇔</b> .	-25% cover (-1)		the present	ce of rare, threatened, or endangered spp
		⊢ ⊬		sent <5% cover (0 `	-	Ones Water Class Over	P
		Ed Mid	Absent (1 crotopograph	•	o O	Open Water Class Qual	ha (0.247 acres)
				sing 0 to 3 scale.	1		(ha (0.247 to 2.47 acres)
		12	<del></del>	d hummucks/lussu			to <4ha (2.47 to 9.88 acres)
		7		oody debris >15cn			38 acres) or more
			Standing -	dead >25cm (10in	) dbh		
			Amphibia	n breeding pools	Microtopogr	aphy Cover Scale	
					0	Absent	
					1	1	small amounts or if more common
						of marginal	
					2	Present in mo	oderate amounts, but not of highest
	-	•					email amounts of highest sublifie
AT	MI	•			<del></del>		small amounts of highest quality oderate or greater amounts

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html

Site:		2+W 106	Rater(s):	Repask	Date: 5/8/07
2	2	Metric 1. Wetlan	d Area (siz	e).	•
estan iš pots	мент	Selectione size class and assign so  >50 acres (>20 2ha) (6 pts  25 to <50 acres (10 t to <  10 to <25 acres (4 to <10  3 to <10 acres (1 2 to <4h  x 0 3 to <3 acres (0 12 to <1  0 1 to <0 3 acres (0 04 to <0 )  <10 ctr	ore 5) 20 2hà) (5 pts) 1ha] (4 pts) a) (3 pts) 2ha] (2pts) =0 12ha) (1 pt)	•	
3	5-	Metric 2. Upland	buffers ar	d surrounding	land use.
inak 14 pri	Subtotal	2a Calculate average buffer width  WIDE Buffers average 50  MEDIUM Buffers average NARROW Buffers average VERY NARROW Buffers 2b Intensity of surrounding land us VERY LOW 2nd growth of LOW Old field (>10 years	Select only one and a pm (164ft) or more aro a 25m to <50m (82 to 4 to 10m to <25m (32ft average <10m (<32ft) a Select one or doubler older forest, prairie, ), shrubland, young se	ssign score. Do not double che und wettand perimeter (7) (164ft) around wetland perimete (0 <82ft) around wetland perime around wetland perime around wetland perime around wetland perimeter (0) le check and average.	ck r (4) ter (1)
	12	]		ping, mining, construction. (1)	
nia i 30 pts	sublatel	Metric 3. Hydrold  3a Sources of Water Score all that High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface Perennial surface water (tall Peren	ce water (3) ke or stream) (5) hly one and assign sco	Between Part of we Part of rip 3d Duration inund Semi- to g Regularly Seasonal X Seasonal	Score all that apply floodplain (1) stream/lake and other human use (1) etland/upland (e.g. forest), complex (1) varian or upland corridor (1) laken/saturation. Score one or dbl check bermanently inundated/saturated (4) inundated/saturated (3) by inundated (2) fly saturated in upper 30cm (12in) (1)
	·y	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbated ditch tile dike weir stomwater i	point sour filling/grac >e road bed/i dredging	·
8	21	Metric 4. Habitat	Alteration	and Developm	ent.
zią ok wern	subtotal	4a. Substrate disturbance. Score or None or none apparent (4)  None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  4b. Habitat development. Select onl  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  4c. Habitat alteration. Score one or	e or double check and	average.	
50	2 T	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbation moving grazing clearcutting selective cutting toxic pollutar	nces observed shrub/sap herbaceou sedimenta dredging farming	

ite: 27	W-106	Rater(s):	pasting	Date: //S/
	_	- 3-7		512
21				
subtotal this p	age .			
0 21	Backers E. Connectal 184			
0 0	_Metric 5. Special W	etianas.		
IO pts subtotal	Check all that apply and score as indicated	d		
	Bog (10)			
	Fen (10)			
	Old growth farest (10)			
	Mature forested walland (5)			
	Lake Erie coastal/tributary wetlar	nd-unrestricted hydrolog	y (10)	
	Lake Erie coastal/tributary wetlar		5)	
	Lake Plam Sand Prairies (Oak O	penings) (10)		
	Relict Wet Praires (10)			
	Known occurrence state/federal			
	Significant migratory songbird/wa	-		
	Calegory 1 Welland. See Questi	ion 1 Qualitative Rating	-10)	
1 18	Matria & Diant ann	mumitian in	taranaraian miar	otono aranh.
<u> </u>	」Metric 6. Plant com	•	•	otopograpny
c 30 pts subtotal	6a Wetland Vegetation Communities	Vegetation Commu	······································	
	Score all present using 0 to 3 scale	0	Absent or comprises <0 1ha (0.2	
	Aquatic bed	1	Present and either comprises sn	
	Emergent 1 Shrub		vegetation and is of moderate	
	Forest	2	significant part but is of low qua Present and either comprises sig	
	Mudflats	2	vegetation and is of moderate	•
	Open water		part and is of high quality	quality or comprises a small
	Other	3	Present and comprises significan	t part, or more, of weiland's
	6b horizontal (plan view) Interspersion.	•	vegetation and is of high qualit	
	Select only one			
	High (5)	Narrative Description	on of Vegetation Quality	
	Moderately high(4)	iow	Low spp diversity and/or predom	inance of nonnative or
	Moderate (3)		disturbance tolerant native spe	cies
	Moderately low (2)	mod	Native spp are dominant compor	ent of the vegetation,
	Law (1)		although nonnative and/or distu	rbance tolerant native spp
	None (0)		can also be present, and speci-	es diversity moderate to
	<ol><li>6c. Coverage of invasive plants. Refer</li></ol>		moderately high, but generally	v/o presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	
	or deduct points for coverage	high	A predominance of native specie	
	Extensive >75% cover (-5)		and/or disturbance tolerant nati	•
	Moderate 25-75% cover (-3)		absent, and high spp diversity a	
	Sparse 5-25% cover (-1)*		the presence of rare, threatene	d, or endangered spp
	Nearly absent <5% cover (0)	Mandalar and Oracle	Notes Of the Condition	
	Absent (1) 6d. Microtopography.	Mudflat and Open V		
	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)	
	L Vegetated hummucks/tussucks	<del></del>	Moderate 1 to <4ha (2.47 to 9.88	
	Coarse woody debris >15cm (6in)		High 4ha (9.88 acres) or more	, aurua)
	/ Standing dead >25cm (10in) dbh	· ———	Treats are faren gereal at treate	
	/ Amphibian breeding pools	Microtopography C	over Scale	
	the state of the s	0	Absent	
	·	1	Present very small amounts or if	more common
		•	of marginal quality	
		2	Present in moderate amounts, bu	t not at highest
	_	-	quality or in small amounts of h	
01- <b>111</b> 7				
ATUE		3	Present in moderate or greater ar	
CAT WE I		3		

Site:	JK03	23-/ Rater(s): 5 Kooser, M. Thorroys	Date: 23 May 07
,	<del></del>	Metric 1. Wetland Area (size).	Date: 23 Nay 07
max 6 pts	Subtotal	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)	P7 - WO - 3
1	2	Metric 2. Upland buffers and surrounding land use.	
max 14 pts.	sublotal	2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)  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)  2b. Intensity of surrounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)	
		LOW: Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)	<b>.</b>
8	10	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)  3c. Maximum water depth. Select one.  >0.7 (27.6in) (3)  0.4 to 0.7m (15.7 to 27.6in) (2)  Your floodplain (1)  Between stream/lake and other human use (1)  Part of welland/upland (e.g. forest), complex (1)  Part of riparian or upland corridor (1)  3d. Duration inundation/saturation. Score or Semi- to permanently inundated/saturated (3)  Regularly inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12in) (1)  Seasonally saturated in upper 30cm (12in) (1)	·
	ν	None or none apparent (12)  Recovered (7)  Recovering (3)  Recent or no recovery (1)  Check all disturbances observed  Altich  Doint source (no filling/grading road bed/RR to weir stormwater input	·
Ų	16	Metric 4. Habitat Alteration and Development.	
max 20 pto	subtotal L (	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)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Yeor (1)  4c. Habitat alteration. Score one or double check and average.	
-	(	None or none apparent (9)  Check all disturbances observed  Recovered (6)  Mowing  shrub/sapling re	ualic bed removal

16 Subtotal this page

subtotal this page ORAM v. 5.0 Field Form Quantitative Rating

subtotal this page  Metric 5, Special Wetlands.  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-unrestricted hydrology (10)	
Metric 5. Special Wetlands.  Check all that apply and score as indicated.  Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5)	
Metric 5. Special Wetlands.  Check all that apply and score as indicated.  Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5)	
Check all that apply and score as indicated.  Bog (10) Fen (10) Old growth forest (10) Mature forested welland (5)	
Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5)	
Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5)	
Old growth forest (10)  Mature forested wetland (5)	
Mature forested wetland (5)	
Leve the coastantibulary wetland-diffestiveled hydrology (10)	
Lake Erie coastal/tributary wetland-restricted hydrology (5)	
Lake Plain Sand Prairies (Oak Openings) (10)	
Relict Wet Praires (10)	
Known occurrence state/federal threatened or endangered species (10)	
Significant migratory songbird/water fowl habitat or usage (10)	
Category 1 Wetland. See Question 5 Qualitative Rating (-10)	
Metric 6. Plant communities, interspersion, microtopography.	
max 20pis. sublotal 6a. Wetland Vegetation Communities, Vegetation Community Cover Scale	
Score all present using 0 to 3 scale.  O Absent or comprises <0.1ha (0.2471 acres) contiguous area  D Aquatic bed 1 Present and either comprises small part of wetland's 1	
2 Emergent vegetation and is of moderate quality, or comprises a	
3 Shrub significant part but is of low quality	
Forest, 2 Present and either comprises significant part of wetland's 2	
o Mudflats vegetation and is of moderate quality or comprises a small	
Open water	
Other3 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	4
Moderate (3)  Moderate (3)  Moderate (3)  Moderate (3)	
Moderately low (2)  Native spp are dominant component of the vegetation, mod  Low (1)  Native spp are dominant component of the vegetation, mod  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	
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 2.47 acres)  Vegetated hummucks/tussucks 2 Moderate 1 to <4ha (2.47 to 9.88 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	
Present very small amounts or if more common     of manifed quality.	
of marginal quality 2 Present in moderate amounts, but not of highest	
2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality	
20 GRAND TOTAL(max 100 pts) 3 Present in moderate or greater amounts	

Site:	TK-6	9523- <b>2</b>	Rater(s): J. Koo	ser, M.	Thomayer		Date: 23/4/2	
/	/	Metric 1.	Wetland Area (s	ize).			Pr-wol	1
max 6 pts	Subtotal	>50 acres (>20 25 to <50 acre 10 to <25 acre 3 to <10 acres 0.3 to <3 acres	s (10.1 to <20.2ha) (5 pts) s (4 to <10.1ha) (4 pts) (1.2 to <4ha) (3 pts) i (0.12 to <1.2ha) (2pts) es (0.04 to <0.12ha) (1 pt)					
/	2	Metric 2.	Upland buffers a	ınd surrou	ınding land us	ie.		
mex 14 pts.		WIDE. Buffers MEDIUM. Buffer NARROW. Buffer VERY NARRO 2b. Intensity of VERY LOW. 2i LOW. Old field MODERATELY	average buffer width. Se average 50m (164ft) or mers average 25m to <50m fers average 10m to <25m W. Buffers average <10m f surrounding land use. Indige the growth or older forest, p (>10 years), shrubland, you HIGH. Residential, fence industrial, open pasture, ro	ore around weta (82 to <164ft) a (32ft to <82ft) (<32ft) around Select one or o orairie, savannal oung second gro d pasture, park	and perimeter (7) round wetland perimet around wetland perimet wetland perimeter (0) touble check and aven, wildlife area, etc. (7) with forest. (5), conservation tillage, r	er (4) eter (1) erage.		
7	7	Metric 3.	Hydrology.					
max 30 pls.	sublotal	High pH ground Other groundw Precipitation (1 X Seasonal/Inten Perennial surfa 3c. Maximum >0.7 (27.6in) (3 0.4 to 0.7m (15 <0.4m (<15.7in)	ater (3) ) mittent surface water (3) ce water (lake or stream) water depth. Select one. i) .7 to 27.6in) (2) ) (1) ons to natural hydrologic upparent (12)	(5) 3d. Ser Reg. Sec. Sec. Sec. Children Science it is dike wei	eck all disturbances o h e	other human use (1) g. forest), complex (1 corridor (1) /saturation. Score ondated/saturated (4) rated (3) pper 30cm (12in) (1) k and average.	ne or dibl check.	
12	2/	Metric 4.	Habitat Alteratio	n and Dev	elopment.			
max 20 pts.	subtotel 2/	None or none a Recovered (3) Recovering (2) Recent or no re 4b. Habitat der Excellent (7) Very good (6) Good (5) Moderately goo Fair (3) Poor to fair (2) Poor (1)	covery (1) velopment. Select only o d (4)  eration. Score one or doi pparent (9)	ne and assign  uble check and  Che	score.	shrub/sapling	removat uuatic bed removal,	
i		1		Swoo	dy debris removal ic pollutants	farming nutrient enrich	ment	

2 / subtotal this page CRAM v. 5.0 Field Form Quantitative Rating

Site: JK-0573-Z Rater(s): J. Kooser,	M.	Thomas	Date: 23 Nay 07
		/	
_ 3_			
subtotal this page			1
Metric 5. Special Wetlands.			·
max 10 pts. subtotal Check all that apply and score as ind	licate	·d	
Bog (10)			
Fen (10)			
Old growth forest (10)			
Mature forested wetland (5)			
Lake Erie coastal/tributary wetland-unrestricte			
Lake Erie coastal/tributary wetland-restricted Lake Plain Sand Prairies (Oak Openings) (10)		ogy (5)	
Relict Wet Praires (10)	,		
Known occurrence state/federal threatened or	ലാറ്	nnarad chacles (10)	
Significant migratory songbird/water fowl habit			
Category 1 Wetland. See Question 5 Qualitati			
3 Metric 6. Plant communities,	inte	erspersion, microtopography.	
nex 20pts. subtotal 6a. Wetland Vegetation Communit	ies.	Vegetation Community Cover Scale	
Score all present using 0 to 3 scale.	0	Absent or comprises < 0.1ha (0.2471 acres) con	ntiguous area
Aquatic bed	1	Present and either comprises small part of wet	
© Emergent		vegetation and is of moderate quality, or compr	ises a
2 Shrub		significant part but is of low quality	· · · · · · · · · · · · · · · · · · ·
- Mudflats	2	Present and either comprises significant part of vegetation and is of moderate quality or compri	
Open water		part and is of high quality	262 4 20114N
Other	3	Present and comprises significant part, or more	e, 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 nonn	ative or low
Moderate (3)  Moderately low (2)		disturbance tolerant native species  Native spp are dominant component of the vegi	etatica mad
/ K Low (1)		although normative and/or disturbance tolerant	
None (0)		can also be present, and species diversity mod	
6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of	
Table 1 ORAM long form for list. Add		threatened or endangered spp to	
or deduct points for coverage		A predominance of native species, with nonnati	
Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or	
Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		absent, and high spp diversity and often, but no	-
> Nearly absent <5% cover (0)		the presence of rare, threatened, or endangered	a shh
Absent (1)		Mudflat and Open Water Class Quality	
6d. Microtopography.	D	Absent <0.1ha (0.247 acres)	
Score all present using 0 to 3 scale.	1	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)	<del></del>
Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
<ul> <li>✓ Standing dead &gt;25cm (10in) dbh</li> <li>✓ Amphibian breeding pools</li> </ul>		Microson correspondence Cours Cours	
Combinisis a security hoors	0	Microtopography Cover Scale Absent	
	1	Present very small amounts or if more common	
-	•	of marginal quality	
Cat I	2	Present in moderate amounts, but not of highes	t
		quality or in small amounts of highest quality	
24 GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts	
<del></del>		and of highest quality	

Site.	1K-05	23-3	Rater(s).	J. KOOSEr	M. / Powers		Date:	23 peples
	1	Metric 1	Watland	Area (size).	·			75- WOLL
<u> </u>				, ,				11- W-
max 6 pls	Subtolel		ize class and a:	ssign score.				
			20,2ha) (6 pts) es (10,1 to <20,3	2bat /5 atcl				
			es (4 to <10.1ha	, , , ,				
			s (1,2 to <4ha) (					
			es (0.12 to <1.2h		•			
			res (0.04 to <0.					
		<0.1 acres (0						
2	3	Metric 2.	Upland b	uffers and s	surrounding lan	d use.		•
max 14 pts.	subtotal	2a. Calculate	average buffer	r width. Select on	ly one and assign scor	e. Do not double check.		•
		WIDE, Buffer	s average 50m (	164ft) or more are	und wetland perimeter (7	')		
					<164ft) around wetland p			
	•				to <82ft) around wetland			
				•	around wetland perimet	• •		
					one or double check a			
					savannah, wildlife area,	etc. (7)		
	}				econd growth forest: (5)			
	,	HIGH LISTON	industrial coop	nual, lenced past	ping, mining, construction	lage, new fallow field. (3)		
		Z Simon, orban,	moustrial, open	pasture, tow crop	ping, mirang, construction	11. (1)		
9	12	_	Hydrolog	-				
max 30 pls."	Subtotal		of Water. Score	ail that apply.		Score all that apply.		,
		High pH grou			100 year floodplain			
		Other ground				ke and other human use (	,	
		Precipitation (	, ! ) rmittent surface	water (3)	Part of riparian or u	and (e.g. forest), complex	(1)	
			face water (lake	• •		tation/saturation. Score	one or dbl cl	nock
			water depth. S			tly inundated/saturated (4		IPVII.
		>0.7 (27.6in)		-	Regularly inundated		,	
			5.7 to 27.6in) (2	}	Seasonally inundate	ed (2)		·
		<0.4m (<15.7	in) (1)		Seasonally saturate	ed in upper 30cm (12in) (1	)	
		3e. Modificat	ions to natural	hydrologic regin	e. Score one or double	check and average.		
			apparent (12)		Check all disturba			
		Recovered (7			ditch		(nonstormwa	ter)
		Recovering (3)			tite dike	filling/grading road bed/RR		•
		L'ecetit ot 110	recovery (1)		weir	dredging	t track	
					stormwater input	- Grouging		
				•	· · · · · · · · · · · · · · · · · · ·			
14	26	Metric 4.	Habitat Al	teration an	d Development.			
max 20 pts.	subtotal			core one or dou				
	25	X None or none X Recovered (3)	apparem (4)	nall fill are	On Con			
	3.	Recovering (2	5 14	iall F				
		Recent or no	•					
		<del></del>	* ' '	lect only one and	l assign score.			•
		Excellent (7)						
		Very good (6)						
	-	Good (5)						
	. 2	Moderately go	od (4)					
		Fair (3)						
		Poor to fair (2)	)					
		Poor (1)						
				one or double cl	neck and average.			
	1.5	None or none			Check all disturbance			
	ų.	Recovered (6)			mowing grazing	shrub/sapling	g removar <sub>en</sub> aquatic bed re	molial 🏞
		Recent or no			grazing clearcutting	sedimentatio		A
				1	selective cutting	dredging	•••	
					woody debris remov			
					toxic pollutants	nutrient enric	ment	

subtotal this page ORAM v. 5.0 Field Form Quantitative Rating

Site: 7k-0523-3 Rater(s): J. kooser	-, ,	M. Thomaser Date: 23 May 07
subtotal this page		
<i>O O</i> Metric 5. Special Wetlands. ○		
mex 10 pts. subtotet Check all that apply and score as ind	icate	ed.
Bog (10) Fen (10)		
Old growth forest (10)		
Mature forested wetland (5)		
Lake Erie coastal/tributary wetland-unrestricted		
Lake Erie coastal/tributary wetland-restricted h		ogy (5)
Lake Plain Sand Prairies (Oak Openings) (10) Relict Wet Prairies (10)		
Known occurrence state/federal threatened or	enda	ngered species (10)
Significant migratory songbird/water fowl habit		
Category 1 Wetland. See Question 5 Qualitative		<u> </u>
7 7 Metric 6. Plant communities,	int	erspersion, microtopography.
max 20pts. subjotal 6a. Wetland Vegetation Communiti	es.	
Score all present using 0 to 3 scale.	0_	Absent or comprises < 0.1ha (0.2471 acres) contiguous area
	1	Present and either comprises small part of wetland's 1 vegetation and is of moderate quality, or comprises a
2 Shrub		significant part but is of low quality
/ 7 Forest	2	Present and either comprises significant part of wetland's 2
Ø Mudflats		vegetation and is of moderate quality or comprises a small
/ Open water  Other		part and is of high quality  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) Moderate (3)		Low spp diversity and/or predominance of nonnative or low disturbance tolerant native species
2 Moderately low (2)		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 Table 1 ORAM long form for list. Add		moderately high, but generallyw/o presence of rare 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) Sparse 5-25% cover (-1)		absent, and high spp diversity and often, but not always,
Noorly about 55% agree (0) Will to 10 (2)		the presence of rare, threatened, or endangered spp
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.  Vegetated hummucks/tussucks	$\frac{1}{2}$	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
t 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 Present very small amounts or if more common
	'	of marginal quality
Cit Z	2	Present in moderate amounts, but not of highest
		quality or in small amounts of highest quality
33 GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts
		and of highest quality

Site: 3	K-05	23-4	Rater(s): て、	Kooser.	id. Thomayes		Date: 23 May 07
0	0	Metric 1.	Wetland Area	(size).	I	<b>V</b>	Pr-WO46
max 6 pts	subtotal ()	>50 acres (>2 25 to <50 acre 10 to <25 acre 3 to <10 acres 0.3 to <3 acre	es (10.1 to <20.2ha) (5 es (4 to <10.1ha) (4 pts s (1.2 to <4ha) (3 pts) s (0.12 to <1.2ha) (2pt res (0.04 to <0.12ha) (	pts) ;) s)			
12	12	Metric 2.	Upland buffer	s and sur	rounding land us	e.	
max 14 pts.	subtotal	WIDE, Buffers MEDIUM, Buf NARROW, Bu	average 50m (164ft) of fers average 25m to <5 offers average 10m to <	or more around 50m (82 to <164 <25m (32ft to <8	ne and assign score. Do r wetland perimeter (7) lft) around wetland perimete 12ft) around wetland perime und wetland perimeter (0)	er (4) <sub>.</sub>	
	4	VERY LOW. 2  LOW. Old field  MODERATEL	2nd growth or older fore d (>10 years), shrublan Y HIGH. Residential, fo	est, prairie, sava id, young secon enced pasture, j	or double check and ave innah, wildlife area, etc. (7) d growth forest. (5) park, conservation tillage, n , mining, construction. (1)	-	
20	32	Metric 3.	Hydrology.				
max 30 pMs.	Subtotal	High pH groun Other groundy Precipitation ( Seasonal/Inter Perennial surfa 3c. Maximum >0.7 (27.6in) ( 0.4 to 0.7m (1)  <0.4m (<15.7ii	vater (3) t) mittent surface water ( ace water (lake or streat water depth. Select of 3) 5.7 to 27.6in) (2) n) (1) ons to natural hydrol apparent (12)	(3) am) (5) one.	3b. Connectivity. Score at 100 year floodplain (1) Between stream/lake and Part of wetland/upland (e.g. Part of riparian or upland of 3d. Duration inundation// Semi- to permanently inun Regularly inundated/satura Seasonally inundated (2) Seasonally saturated in upcore one or double check Check all disturbances of ditch tille dike	other human use (1) g. forest), complex (1) corridor (1) saturation. Score on dated/saturated (4) ated (3) oper 30cm (12in) (1) c and average. beserved point source (n filling/grading road bed/RR tra	ne or dbl check.
	٠ - :	_			weir stormwater input	dredging	
17	49	Metric 4.	Habitat Altera	tion and D	evelopment.		
mex 20 pts.	subsectal	None or none: Recovered (3) Recovering (2) Recent or no n	)		-		
	4	Moderately god Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alt	` '	double check	and average.		
	લ	None or none : Recovered (6) Recovering (3) Recent or no re	apparent (9)	<u> </u>	Check all disturbances obs mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	shrub/sapling re	uatic-bed semovat

subtotal this page

Site: 5k-0523-4 Rater(s): J. kooser		W. Thoreago	Date: 23 1404 07
8			
subtotal this page			4
O O Metric 5. Special Wetlands.			
max 10 pts. subtrotal Check all that apply and score as ind	icate	ed	
Bog (10)			
Fen (10)			
Old growth forest (10)			
Mature forested wetland (5)	امريط ام	roles (40)	
Lake Erie coastal/tributary wetland-unrestricte Lake Erie coastal/tributary wetland-restricted h		=	
Lake Plain Sand Prairies (Oak Openings) (10)	•	-3) (~)	
Relict Wet Praires (10)			
Known occurrence state/federal threatened or			
Significant migratory songbird/water few habit		· ·	
Category 1 Wetland. See Question 5 Qualitati		- · ·	
المساورة والمساورة		erspersion, microtopography.	
max 20pts. sublidial 6a. Wetland Vegetation Communiti	es.	Vegetation Community Cover Scale	
Score all present using 0 to 3 scale.	0_	Absent or comprises < 0.1ha (0.2471 acres) cor Present and either comprises small part of wet	
/ Emergent	•	vegetation and is of moderate quality, or compr	
○ Shrub		significant part but is of low quality	
3 7 Forest	2	Present and either comprises significant part of	wetland's 2
Mudflats		vegetation and is of moderate quality or compri	ses a small
Open water Other	3	part and is of high quality  Present and comprises significant part, or more	of unitonally 2
6b. horizontal (plan view) interspersion.	3	researcand comprises significant part, or more vegetation and is of high quality	e, or wedatios 3
Select only one.		agolador and le or right quarty	
High (5)		Narrative Description of Vegetation Quality	
Moderately high(4)		Low spp diversity and/or predominance of nonn	ative or low
2   Moderate (3)   Moderately low (2)		disturbance tolerant native species  Native spp are dominant component of the vege	olotion mad
Low (1)		although nonnative and/or disturbance tolerant	
None (0)		can also be present, and species diversity mode	
6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of r	are
Table 1 ORAM long form for list. Add		threatened or endangered spp to	
or deduct points for coverage  Extensive >75% cover (-5)		A predominance of native species, with nonnati and/or disturbance tolerant native spp absent or	
Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but no	
Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered	
Nearly absent <5% cover (0) Phalarin			
Aosent (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	2	Moderate 1 to <4ha (2.47 to 9.88 acres)	
3 2 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 Present very small amounts or if more common	
_	•	of marginal quality	
Cat 2	2	Present in moderate amounts, but not of highes	t
		quality or in small amounts of highest quality	
57 GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts	
		and of highest quality	

Mr-woy7

		<b>1</b>		0	
3	3	jMetric 1. Wetlan	•	).	
max 6 pts.	aubtotal	Select one size class and assign so >50 acres (>20.2ha) (6 pt			
		25 to <50 agres (10.1 to <			
		10 to <25 acres (4 to <10. 3 to <10 acres (1.2 to <4h			
		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			
12	15	Beatric 1 Linkond	huffore and	Lauraundina land	
max 14 pts.	subtotal	2a. Calculate average buffer width.		l surrounding land	use.
water to have	33554	WIDE. Buffers average 50	Dm (164ft) or more around	wetland perimeter (7)	
				4ft) around wetland perimeter (4) -62ft) around wetland perimeter (1)	
		VERY NARROW. Buffers	average <10m (<32ft) ar	ound wetland perimeter (0)	
		2b. Intensity of surrounding land us		check and average. vannah, wildlife area, etc. (7)	
		LOW. Old field (>10 years	i), shrubland, young seco	nd growth forest (5)	
				park, conservation tillage, new fallow fid g, mining, construction. (1)	eld. (3)
14	33	Matria 2 Hudrali	2014		
nax 30 pts	SUDIOTEI	Metric 3. Hydrolo		3b. Connectivity. Score all th	at apply.
		High pH groundwater (5)		100 year floodplain (	1)
		Other groundwater (3)  Y Precipitation (1)		( <del></del>	e and other human use (1) nd (e.g. forest), complex (1)
		Seasonal/Intermittent surface		Part of riparian or up	
		3c. Maximum water depth. Select of	· • ·	3d. Duration inundation/satura Semi- to permanenti	y inundaled/saturated (4)
		>0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in		Regularly inundated/  Seasonally inundated/	
		< <0.4m (<15.7in) (1)		Y Seasonally saturated	in upper 30cm (12m) (1)
		3e Modifications to natural hydrolog			<del></del>
		None or none apparent (1: Kecovered (7)	2) Check all disturband	point source (nonstor	mwater)
		Recovering (3)  Recent or no recovery (1)	lile dike	filling/grading road bed/RR track	1
			weir	dredging	
		-	stormwater inp	utother	
125	45.5	Restrict A Habitat	Alteration	nd Davalanment	
ax 20 pts.	subtotal	JMetric 4. Habitat  4a. Substrate disturbance. Score or		<del>-</del>	
		None or none apparent (4)		·-··· •	
		Recovered (3) Recovering (2)			
		Recent or no recovery (1)	f		
		4b. Habitat development, Select on Excellent (7)	ly one and assign score.		
		Very good (6) X Good (5)			
		Moderately good (4)			
		Fair (3) Poor to fair (2)			
		Poor (1)			
		4c. Habital alteration. Score one or			
		None or none apparent (9) Recovered (6)	mowing	shrub/sapiing remova	ll l
		Recovering (3) Recent or no recovery (1)	grazing clearculting	herbaceous/aquatic t sedimentation	ped removal
ſ			selective cutting	g dredging	
\	12.2	}	woody debris re	moval (arming nulnent enrichment	
,	ubbial Pris pay	<b>-</b> 9e			

Site: 16	0523-5	Rater(s): 5 1	Date: 5/2376
12 subdotal this		a	
100	Metric 5. Special W	etiands.	
maix 10 pls. subjects		d-unrestricted hydrolog d-restricted hydrology ( penings) (10)	5)
	Significant migratory songbird/wa	•	
	Category 1 Wetland. See Questi	on 1 Qualitative Rating	(-10)
12 12	Metric 6. Plant com	munities, ir	nterspersion, microtopography.
max 20 pts subjects	· · · · · · · · · · · · · · · · · ·	Vegetation Commi	
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	6 Aquatic bed C Emergent	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
	7 Shrub		significant part but is of low quality
	1 5 Forest	2	Present and either comprises significant part of wetland's
	O Mudflats	-	vegetation and is of moderate quality or comprises a small
	Open water		part and is of high quality
	O Other	3	Present and comprises significant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
	Select only one.		
	High (5)	Narrative Description	on of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation.
	<u></u> <b>Y</b> Low (1)		although nonnative and/or disturbance tolerant native spp
	None (0)		can also be present, and species diversify moderate to
	6c. Coverage of invasive plants, Refer		moderately high, but generallyw/o presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endangered spp
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always.
	Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
	X Nearly absent <5% cover (0)		the presence of lare, inicatenes, or empanyared spp
	Absent (1)	Mudflat and Open V	Nater 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 2.47 acres)
	2 Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	11 7 Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more
	Standing dead >25cm (10in) dbh		
	2 Amphibian breeding pools	Microtopography C	over Scale
		0	Absent
		1	Present very small amounts or if more common
			of marginal quality
11		2	Present in moderate amounts, but not of highest
-1/7			quality or in small amounts of highest quality
and from		3	Present in moderate or greater amounts
Cat II			and of highest quality

575 GRAND TOTAL(max 100 pts)

	Site:	PTW-	111-112	Rater(s): Repasky	- Thomager	Date: 5/8/07
	3	3	Metric 1. Wetland	. ,	,	
	max & pts.	subintal	Select one size class and assign score  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.4 to <20.  10 to <25 acres (4 to <10.1ha  X 3 to <10 acres (1.2 to <4ha) (  0.3 to <3 acres (0.12 to <1.2h  0.1 to <0.3 acres (0.04 to <0.  <0.1 acres (0.04ha) (0 pts)	2ha) (5 pts) a) (4 pts) (3 pts) na) (2pts)		
	12	15	Metric 2. Upland k	ouffers and sur	ounding land u	ise.
	max 14 pls.	subtotal	2a. Calculate average buffer width. Se  VMDE. Buffers average 50m  MEDIUM. Buffers average 2  NARROW. Buffers average  VERY NARROW. Buffers av  2b. Intensity of surrounding land use.  VERY LOW. 2nd growth or of LOW. Old field (>10 years), 1  MODERATELY HIGH. Resident control of the control	elect only one and assign score. (164ft) or more around wetland p. 5m to <50m (82 to <164ft) around 10m to <25m (32ft to <82ft) around erage <10m (<32ft) around wetla Select one or double check and older forest, prairie, savannah, wishrubland, young second growth	Do not double check.  perimeter (7) d wetland perimeter (4) and wetland perimeter (1) and perimeter (0) average. Idilife area, etc. (7) forest. (5) servation tillage, new fallow field.	
	18	33	Metric 3. Hydrolog	ју.		
	max 30 pts.	subtotat	3a. Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3) Y Precipitation (1) Seasonal/Intermittent surface Y Perennial surface water (lake 3c. Maximum water depth. Select only 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 hydrotogic	e water (3) or stream) (5) one and assign score.	X Part of wetland/upland Part of riparian or uplant 3d. Duration inundation/saturation Semi- to permanently in Regularly inundated/sat X Seasonally inundated (in X Seasonally saturated in X Seasonally	nd other human use (1) (e.g. forest), complex (1) nd corridor (1) on. Score one or dbl check. nundated/saturated (4) turated (3)
			None or none apparent (12)  Kecovered (7)  Recovering (3)  Recent or no recovery (1)	Check all disturbances observed dischusie dike weir stormwater input	ed point source (nonstorm filling/grading road bed/RR track dredging other	water) .
	125	45.5	  Metric 4. Habitat A	Alteration and D	evelopment.	
1	max 20 pts,	şubliotal	4a. Substrate disturbance. Score one None or none apparent (4) K Recovered (3) Recovering (2) Recard or no recovery (1) 4b. Habitat development. Select only (1) Excellent (7) Very good (6) K Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or do	or double check and average.  one and assign score.		
	,	45.5	None or none apparent (9)  X Recovered (6)  X Recovering (3)  Recent or no recovery (1)	Check all disturbances observed mowing grazing Clearcutting Selective cutting Woody debris removal toxic pollutants	shrub/sapting removal herbaceous/aquatic bed sedimentation dredging farming nutrient enrichment	l removal

e: RTW -	111-112	Rater(s): Repast	by - Thomason Date: 5/8/0
12		, ,	,
subtotal this pe	1		
0 0	」Metric 5. Special W∈	etlands.	
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 coastel/tributary wetlan	d-unrestricted hydrology (1)	0}
	Lake Erie coastal/tributary wetlan		
	Lake Plain Sand Prairies (Oak Q Relict Wet Praires (10)	penings) (10)	
	Known occurrence state/federal to	hreatened or endangered si	pecies (10)
	Significant migratory songbird/wa	•	
	Category 1 Wetland. See Questi	on 1 Qualitative Rating (-10	)
12 12	Matric C Diant com	marandia a inda	
	<del></del>		erspersion, microtopograph
20 pts. subtotal	6a. Wetland Vagetation Communities.  Score all present using 0 to 3 scale.	Vegetation Community	Absent or comprises <0.1ha (0.2471 acres) contiguous a
	② Aquatic bed	1	Present and either comprises small part of wetland's
			vegetation and is of moderate quality, or comprises a
	(2) Shrub		significant part but is of low quality
	4 3 Forest O Muditats	2	Present and either comprises significant part of wetland's
	Open water		vegetation and is of moderate quality or comprises a sn part and is of high quality
	C Other	3	Present and comprises significant part, or more, of wetter
	6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
	Select only one.		
	High (5) Moderately high(4)	Narrative Description of low	of Vegetatron Quality  Low spp diversity and/or predominance of nonnative or
	Moderate (3)	<b>₩</b>	disturbance tolerant native species
	Moderately low (2)	mod	Netive spp are dominant component of the vegetation,
	#		although nonnative and/or disturbance tolerant native s
	<u> </u>		,
	Mone (0)	ļ	can also be present, and species diversity moderate to
	None (0)  6c. Coverage of invasive plants. Refer	į	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare
	Mone (0)	high	can also be present, and species diversity moderate to
	None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	high	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high	can also be present, and species diversity moderate to moderately high, but generallywlo presence of rare threatened or endangered spp.  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.
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	high	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp.  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) X Nearly absent <5% cover (0)		can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	high  Mudflat and Open Wate	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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.	Mudflat and Open Wate 0	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp  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  ar Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  X Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  2. Vegetated hummucks/tussucks	Mudflat and Open Water 0 1 2	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp  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  or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  X Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  7 Coerse woody debris >15cm (6in)	Mudflat and Open Water 0 1 2	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp  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  ar Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  X Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  2. Vegetated hummucks/tussucks	Mudflat and Open Water 0 1 2	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.  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.  ar Class Quality  Absent <0.1hs (0.247 acres)  Low 0.1 to <1hs (0.247 to 2.47 acres)  Moderate 1 to <4hs (2.47 to 9.88 acres)  High 4hs (9.88 acres) or more
	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  2 Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Standing dead >25cm (10in) dbh	Mudflat and Open Water  0 1 2 3 Microtopography Cove	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.  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.  ar Class Quality  Absent <0.1hs (0.247 acres)  Low 0.1 to <1hs (0.247 to 2.47 acres)  Moderate 1 to <4hs (2.47 to 9.88 acres)  High 4hs (9.88 acres) or more
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	None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  X 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)  Standling dead >25cm (10in) dbh  Amphibian breeding pools	Mudflat and Open Water  0 1 2 3 Microtopography Cove	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.  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.  ar Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 9.88 acres)  High 4ha (9.88 acres) or more  ar Scale  Absent  Present very smell amounts or if more common of marginal quality
4 -	None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  X 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)  Standling dead >25cm (10in) dbh  Amphibian breeding pools	Mudflat and Open Water  0 1 2 3 Microtopography Cove	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.  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.  ar Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  ar Scale  Absent  Present very smell amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
<i>†</i>	None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  2 Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Standing dead >25cm (10in) dbh	Mudflat and Open Water  0 1 2 3 Microtopography Cove	can also be present, and species diversity moderate to moderately high, but generallywio presence of rare threatened or endangered spp.  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.  ar Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 9.88 acres)  High 4ha (9.88 acres) or more  ar Scale  Absent  Present very smell amounts or if more common of marginal quality

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wellend categories at the leticwing address: http://www.ape.state.ein.us/daw/401401.ft

Site:	2TW-	111-112	Rater(s): Repas	ky - Thor	ays -	Date: 5/8/07
3	3	Metric 1. Wetlar	nd Area (size).	/	ŕ	
may 6 pts.	subjects!	Select one size class and assign s  >50 acres (>20.2ha) (6 p  25 to <50 acres (10.1 to  10 to <25 acres (4 to <1)  3 to <10 acres (1.2 to <4  0.3 to <3 acres (0.12 to <0  0.1 to <0.3 acres (0.04 to <0.1 acr	core.  <20.2ha) (5 pts)  0.1ha) (4 pts)  (ha) (3 pts)  <1.2ha) (2pts)  > <0.12ha) (1 pt)		,	
12	15	Metric 2. Upland	d buffers and ຣເ	rroundir	ng land us	se.
mass 14 pts.	Subtrated	2a. Calculate average buffer width  WIDE. Buffers average  MEDIUM. Buffers avera  NARROW. Buffers avera  VERY NARROW. Buffers  2b. Intensity of surrounding land u  VERY LOW. 2nd growth  LOW. Old field (>10 yes  MODERATELY HIGH. 6	n. Select only one and assign sco 50m (164ft) or more around wetta ge 25m to <50m (82 to <164ft) ar age 10m to <25m (32ft to <82ft) : rs average <10m (<32ft) around v	re. Do not double nd perimeter (7) bund wetland perimeter (1) retiand perimeter (1) and average, , wildlife area, etc. with forest. (5) conservation tillage	check. meter (4) rimeter (1) 0) (7) e, new fallow field. (	
15	33	Metric 3. Hydro	. ,		•	
max 30 pts.	Sub-locited	3a. Sources of Water. Score all ti High pH groundwater (5) Other groundwater (3) Y Precipitation (1) Seasonal/Intermittent su X Perennial surface water 3c. Maximum water depth. Select >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6  X <0.4m (<15.7in) (1) 3e. Modifications to natural hydrol	nat apply.  Inface water (3) (lake or stream) (5) I only one and assign score.  In) (2)	3d. Duration in Regu	of welfand/upland (e of riparian or upland nundation/saturation - to permanently inu- ilarly inundated/satu onally inundated (2) onally saturated in u	d other human use (1) e.g. forest), complex (1) comidor (1) e. Score one or dbl check, indated/saturated (4) rated (3)
		None or none apparent (  Recovered (7)  Recovering (3)  Recent or no recovery (1)	12) Check all disturbances obt	erved point filling.	source (nonstormw /grading bed/RR track jing	aler)
125	45.5	Metric 4. Habita	t Alteration and	Develop	ment.	
maix 20 pts.	Submed	4a. Substrate disturbance. Score None or none apparent ( Y Recovered (3) Recovering (2) Recent or no recovery (1 4b. Habital development. Select of Excellent (7) Very good (6) Y Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habital afteration. Score one of	one or double check and average 4) ) only one and assign score.	-		
į	45.5	None or none apparent (  Recovered (6)  Recovering (3)  Recent or no recovery (1	9) Check all disturbances obs mowing grazing	shrub therba sedin dredg	-	removal

te: RTW	- 111 - 112	Rater(s): Repa	soky - Thouseyor Date: 5/8/6;
	7	,	
12			
subtotal this	mand Omne		
010	Metric 5. Specia	al Wetlands.	
10 pts. sublota			
to pro-	Bog (10)	moreaged.	
	Fen (10)		
	Old growth forest (10)		
	Mature forested wetland		
	<b>—</b>	ary wetland-unrestricted hydrology	
	Lake Plain Sand Prairies	kry wetland-restricted hydrology (5 c (Oak Openings) (40)	<b>3)</b>
	Relict Wet Praires (10)	a (Oak Oberwells) ( 10)	
		Hederal threatened or endangere	d species (10)
		ngbird/water fowl habitat or usage	
	Category 1 Wetland. Se	e Question 1 Qualitative Rating (	(-10)
17 12	Matain C Diamete		
, ,			terspersion, microtopograph
20 pts. sublotal	<ul> <li>6a. Wetland Vegetation Communit</li> <li>Score all present using 0 to 3 scale</li> </ul>		Absent or comprises <0.1ha (0.2471 acres) contiguous are
	Ø Aquatic bed	- <u> </u>	Present and either comprises small part of wetland's
	O Emergent		vegetation and is of moderate quality, or comprises a
	⊘ Shrub		significant part but is of low quality
	√ 3 Forest	2	Present and either comprises significant part of wetland's
	O 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
	6b. horizontal (plan view) Intersper		vegetation and is of high quality
	Select only one.		
	High (5)	Narrative Description	on of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	Moderately low (2)  Y Low (1)	mod	Native spp are dominant component of the vegetation.
	None (0)		·
		Refer	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare
	None (0) 6c. Coverage of invasive plants. F to Table 1 ORAM long form for list.		can also be present, and species diversity moderate to
	None (0)  6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage	. Add high	can also be present, and species diversity moderate to moderately high, but generallywlo presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp
	None (0)  6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)	Add high	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
	None (0) 6c. Coverage of invasive plants. E to Table 1 ORAM long form for list. or deduct points for coverage Extensive >75% cover (-1) Moderate 25-75% cover	. Add high 5) (-3)	can also be present, and species diversity moderate to moderately high, but generallywlo presence of rare threatened or endangered spp  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,
	None (0)  6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)	. Add high 5) (-3)	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
	None (0) 6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1)	. Add high 5) (-3)	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp.  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.
	None (0) 6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage Extensive >75% cover (-1) Moderate 25-75% cover (-1) X Nearly absent <5% cover Absent (1) 6d. Microtopography.	high (-3) (-7) Mudflat and Open W	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ha (0.247 acres)
	None (0) 6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1) X Nearly absent <5% cover Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale	high (-3) (-7) (-3) (-3) (-3) (-3) (-3) (-3) (-3) (-3	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)
	None (0)  6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-1)  Moderate 25-75% cover (-1)  Nearly absent <5% cover Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale  Vegetated hummucks/tus	high (-3) (-3) (-3) (-3) (-3) (-3) (-3) (-3)	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ths (0.247 acres)  Low 0.1 to <1ths (0.247 to 2.47 acres)  Moderate 1 to <4ths (2.47 to 9.88 acres)
	None (0) 6c. Coverage of invasive plants. Fito Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)  Moderate 25-75% cover (-1)  X Nearly absent <5% cover (-1)  Absent (1) 6d. Microtopography.  Score all present using 0 to 3 scale  2 Vegetated hummucks/tus	Add high (-3) (-3) (-3) (-3) (-3) (-3) (-3) (-3)	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)
	None (0)  6c. Coverage of invasive plants. F to Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-1)  Moderate 25-75% cover (-1)  Nearly absent <5% cover Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale  Vegetated hummucks/tus	Add high (-3) (-3) (-3) (-3) (-3) (-3) (-3) (-3)	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	None (0) 6c. Coverage of invasive plants. Fito Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)  Moderate 25-75% cover (-1)  X Nearly absent <5% cover (-1)  Absent (1) 6d. Microtopography.  Score all present using 0 to 3 scale  2 Vegetated hummucks/tus  1 Coarse woody debris >15  ( Standing dead >25cm (16)	Add high (-3) (-3) (-3) (-7) (-7) (-7) (-7) (-7) (-7) (-7) (-7	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
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	None (0) 6c. Coverage of invasive plants. Fito Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)  Moderate 25-75% cover (-1)  X Nearly absent <5% cover (-1)  Absent (1) 6d. Microtopography.  Score all present using 0 to 3 scale  2 Vegetated hummucks/tus  1 Coarse woody debris >15  ( Standing dead >25cm (16)	Add high  5) (-3) (-3) (-3) (-7) (-7) (-7) (-7) (-7) (-7) (-7) (-7	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Nater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Sover Scale  Absent  Present very small amounts or if more common of marginal quality
4	None (0) 6c. Coverage of invasive plants. Fito Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)  Moderate 25-75% cover (-1)  X Nearly absent <5% cover (-1)  Absent (1) 6d. Microtopography.  Score all present using 0 to 3 scale  2 Vegetated hummucks/tus  1 Coarse woody debris >15  ( Standing dead >25cm (16)	Add high (-3) (-3) (-3) (-3) (-7) (-3) (-7) (-7) (-7) (-7) (-7) (-7) (-7) (-7	can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Mater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Sover Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
<i>† I I</i>	None (0) 6c. Coverage of invasive plants. Fito Table 1 ORAM long form for list. or deduct points for coverage  Extensive >75% cover (-6)  Moderate 25-75% cover (-1)  X Nearly absent <5% cover (-1)  Absent (1) 6d. Microtopography.  Score all present using 0 to 3 scale  2 Vegetated hummucks/tus  1 Coarse woody debris >15  ( Standing dead >25cm (16)	Add high  5) (-3) (-3) (-3) (-7) (-7) (-7) (-7) (-7) (-7) (-7) (-7	moderately high, but generallyw/o presence of rare threatened or endangered spp  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  Nater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Sover Scale  Absent  Present very small amounts or if more common of marginal quality

57.5 GRAND TOTAL(max 100 pts)

Site:		Rt w-113	Rater(s):	Repost-	Date: 5-9-0つ
2 3	Me	etric 1. Wetland	Area (size)	• • • • • • • • • • • • • • • • • • •	
max 6 pts. \$ubl	oui Select	t one size class and assign score	-		
	}	>50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.	2ha) (5 nts)		
	}	10 to <25 scres (4 to <10.1ha			
	Į	3 to <10 acres (1.2 to <4ha) (	•		
	}	10.3 to <3 acres (0.12 to <1.2)			
	<u> </u>	<0.1 acres (0.04ha) (0 pls)			
17: 1	Me	 etric 2.  Upland Ł	ouffers and	surrounding	land use.
max 14 pts. sub-		Calculate average buffer width Se			
		WIDE. Buffers average 50m	(164ft) or more around	wetland perimeter (7)	
	7			lft) around wetland perimeter 82ft) around wetland perimete	
	t	VERY NARROW. Buffers av			
	2b. <u>Ir</u>	ntensity of surrounding land use.			•
	5	VERY LOW. 2nd growth or on the LOW. Old field (>10 years);			
	7			io growth forest. (5) park, conservation tillage, nev	v fallow field. (3)
	, È	HIGH. Urban, industrial, ope			
18 37	2 Me	etric 3. Hydrolog	ay.		
max 30 pls subi		Sources of Waler. Score all that a		3b. Connectivity. S	· · · · · · · · · · · · · · · · · ·
	· F	High pH groundwater (5)		·	eodplain (1)
	, F	Other groundwater (3) > Precipitation (1)			tream/lake and other human use (1) land/upland (e.g. forest), complex (1)
	ا م	Seasonal/Intermittent surface	water (3)	<b></b>	nian or upland corridor (1)
	_ [	Perennial surface water (lake			tion/saturation. Score one or dbl check.
	3G. M	Jaximum water depth. Select only >0.7 (27.6in) (3)	rone and assign score.	Regulariy i	ermanently inundated/saturated (4) nundated/saturated (3)
		0.4 to 0.7m (15.7 to 27.6in) (	2)	7	inundated (2)
1	_	<0.4m (<15.7in) (1) Additions to natural hydrologic	ranima Coore ana as a		saturated in upper 30cm (12in) (1)
-	3e. 19	None or none apparent (12)	Check all disturbance		·
	ļ.	Recovered (7)	ditch		e (nonstormwater)
	火 [	Recovering (3)	tile	filling/gradi	<b>-</b>
	, L	Recent or no recovery (1)	dike	road bed/R	R track
			weir stormwater inpu	dredging other	
		-	Total Indiana		
11.5 4	<sup>3,5</sup> Me	etric 4. Habitat <i>I</i>	Alteration a	nd Developme	ent.
max 20 pis. subi	iotal 4a. S	Substrate disturbance. Score one	or double check and av	erage.	
		None or none apparent (4)  (4)  (4)			
	' <u>t</u>	Recovering (2)			
		Recent or no recovery (1)			
	40. H	labitat development. Select only of Excellent (7)	one and assign score.		
	i t	Very good (6)			
	Ι,,	- Good (5)	•		•
	4	X Moderately good (4) Fair (3)			
•	ŀ	Poor to fair (2)	•		
	45 [	Poor (1)	حصمته اعمم بامهوام واطني		
	40. M	labitat alteration. Score one or do			
	ائ.	None or none apparent (9)  x Recovered (6)	Check all disturbance mowing		ing removal
	4.7	√ Recovering (3)	grazing	herbaceou	s/aquatic bed removal
<del></del>	[	Recent or no recovery (1)	clearcutting	sedimentar	tion
מנו	15		selective cutting woody debris re		
73	) <u>,                                     </u>	•	toxic pollutants	nutrient en	richment
subtotel (	this page				

ORAM v.	5.0	Field Form	Quantitative	Rating
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Site:	RTW-113 R	ater(s):	Reports	Date: 5-5-03
	7			
14				
subtotal the	s page			
	18.4.1. 5 Ou	.4t		
0	Metric 5. Special We	etianas.		
max 10 pts. sublots		•		
	Bog (10) 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 Op Relict Wet Praires (10)	eumidz) (10)		
	Known occurrence state/federal th	reatened or endanger	red species (10)	
	Significant migratory songbird/wat	er fowl habitat or usag	je (10)	
<del></del>	Category 1 Wetland. See Question	n 1 Qualitative Rating	(-10)	
14 14	Metric 6. Plant comr	nunition i	starepareion r	nioratanagraphy
max 20 pts. subtota	<b></b>	Vegetation Comm	-	incrotopograpity.
mas 20 pts. suprose	Score all present using 0 to 3 scale.	7 agetation Colein		tha (0.2471 acres) contiguous area
•	Aquatic bed	1		rises small part of wetland's
	Emergeni	-	vegetation and is of mo	derate quality, or comprises a
	Shrub		significant part but is of	
	Forest Mudflats	2		rises significant part of welland's oderate quality or comprises a small
-	I Open water		part and is of high qual	
	Other	3		ignificant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.		vegetation and is of hig	n quality
	Select only one.	Manustin B		
	High (5)  Moderately high(4)	Narrative Descript	ion of Vegetation Quality	predominance of nonnative or
	2 Moderate (3)		disturbance tolerant na	•
	X Moderately low (2)	mod	Native spp are dominant	component of the vegetation,
	Low (1)-		· ·	l/or disturbance tolerant native spp
	None (0)  6c. Coverage of invasive plants. Refer		· ·	nd Species diversity moderate to
	to Table 1 ORAM long form for list. Add		threatened or endange	enerallywio presence of rare red son
	or deduct points for coverage	high		species, with nonnative spp
	Extensive >75% cover (-5)		and/or disturbance tole	rant native spp absent or virtually
	Moderate 25-75% cover (-3)			iversity and often, but not always,
	Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)		the presence of rare, th	reatened, or endangered spp
	Absent (1)	Mudflat and Open	Water Class Quality	
	6d. Microtopography.	0	Absent <0.1ha (0.247 ac	
	Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to	
	/ Vegetaled hummucks/tussucks // Coarse woody debris >15cm (6in)	3	Moderate 1 to <4ha (2.4)	<del></del>
	Standing dead >25cm (10in) dbh	3	High 4ha (9.88 acres) or	Money.
	I Amphibian breeding pools	Microtopography	Cover Scale	
		0	Absent	
		·* 1	Present very small amount	nts or if more common
		2	of marginal quality  Present in moderate amo	unts but not of highest
111			quality or in small amou	
CKI		3	Present in moderate or g	
<u> </u>		<del></del>	and of highest quality	
57.5 GRAI	ND TOTAL(max 100 pts)			

Site: V	vet w	1(2	Rater(s): vn(	, lb	Date:	6129107
L History pie	arith at the	Metric 1. Wetlan  Selectione size class and assign so  >50 acres (±20 2ha) (6 pts  25 to ±50 acres (±0 ) to ±10 to ±25 acres (±10 ±10 ±10 acres (±12 to ±10 ±10 ±3 acres (±12 to ±10 ±10 ±3 acres (±10 0 ±10 ±0 ) acres (±10 0 ±10 ±0 ) acres (±10 0 ±10 ) ±0 1 acres (±10 0 ±10 )	ore 5) 20 2ha) (\$ pts) 1ha) (4 pts) a) (3 pts) 2ha) (2pts) *O 12ha) (1 pt)			
12 (00) 24 pts	10	Metric 2. Upland  2a Calculate average buffer width  WIDE Buffers average 50  MEDIUM Buffers average  NARROW Buffers average  VERY NARROW Buffers  2b Intensity of surrounding land use  VERY LOW 2nd growth of  LOW Old field (>10 years  MODERATELY HIGH Re	Select only one and assign so om (164ft) or more around well 2 25m to <50m (82 to <164ft) a pe 10m to <25m (32ft to <82ft) average <10m (<32ft) around	ore Do not double che and perimeter (7) round wetland perimete around wetland perime wetland perimeter (0) and average h, wildlife area, etc. (7) owth forest. (5) , conservation tillage, n	ock er (4) eter (1)	
NP IN	unit, is	Metric 3. Hydrold  3a Sources of Water Score at tha High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/intermittent surface water (6) Pereint surface water (6) Seasonal/intermittent surface water (6) 20 7 (27 6m) (3) 20 4 to 0.7m (15.7 to 27 6m) 20 4 m (415.7 in) (1) 3e Modifications to natural hydrolog None or none apparent (12.2. Recovered (7) Recovering (3) 4. Recent or no recovery (1)	t apply  ace water (3) take or stream) (5) nly one and assign score  (2) to regime. Score one or double	3d Duration number Seasona Seasona e check and average	/RR track	complex (1) cordbl check raied (4)
may 20 ets	45.5 -orbotal	Metric 4. Habitat  4a Substrate disturbance Score or None or none apparent (4)  Recovered (3)  Recovering (2)  Recent or no recovery (1)  4b Habitat development Select ont Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  4c Habitat alteration Score one or None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	Alteration and average double check and average	served shrub/sal herbaced sediment dredging farming	oling removal ous/aquatic bed removal	

		· · · · · · · · · · · · · · · · · · ·			
Site: Wet	<u>m(</u>	J	Rater(s): w(	16	Date: 6/290
subjected thes	Ť	ric & Special We	otlands		
	<del></del>	ric 5. Special We	suanus.		
mas 10 pr subject.i	Check a	If that apply and score as indicated Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetlant Lake Erie coastal/tributary wetlant Lake Plain Sand Prairies (Oak Op Relict Wet Prairies (10) Known occurrence state/federal th Significant migratory songbird/wal Category 1 Wetland See Questic	d-restricted hydrology (5) penings) (10) preatened or endangered s ter fowl habitat or usage (1)	pecies (10) 0}	
8 8	Meti	ric 6. Plant com	munities inte	erspersion micro	otonography
mai Mipts suplate		and Vegetation Communities	Vegetation Community		stopograpny.
man to pre-		present using 0 to 3 scale	0	Absent or comprises <0 that (0.24	71 acres) continuous area
		Aquatic bed	1	Present and either comprises small	
	<u> </u>	Emergent		vegetation and is of moderate q	<i>'</i>
	2	Shrub		significant part but is of low qual	•
	3	Forest	2	Present and either comprises sign	<del></del>
		Mudfials		vegetation and is of moderate q	uality or comprises a small
		Open water		part and is of high quality	
		Other	3	Present and comprises significant	part, or more, of wetland's
	66 horiz	contai (plan view) interspersion		vegetation and is of high quality	
	Select or	dy one			
		High (5)	Narrative Description (	of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predomin	ance of nonnative or
	<u></u>	Moderate (3)		disturbance tolerant native spec	es
	<u> </u>	Moderately low (2)	mod	Native spp are dominant compone	int of the vegetation,
	Įγ	Low (1)		although nonnative and/or distur	bance tolerant native spp
	حا ر	None (0)		can also be present, and species	=
		erage of invasive plants. Refer		moderately high, but generallyw	o presence of rare
		1 ORAM long form for list. Add	h'-d-	Ihreatened or endangered spp	. :abti
	or deduc	t points for coverage	high	A predominance of native species,	·
	-	Extensive >75% cover (-5) Moderate 25-75% cover (-3)		and/or disturbance tolerant native absent, and high spp diversity ar	• •
	$-\Sigma$	Sparse 5-25% cover (-1)		the presence of rare, threatened	
	T <sup>2</sup>	Nearly absent <5% cover (0)		The presented of the c. Wilderstoo	or criddings.co app
	<u> </u>	Absent (1)	Mudflat and Open Water	er Class Quality	
	6d Micro	olopography	0	Absent <0.1ha (0.247 acres)	<del></del>
		present using 0 to 3 scale	1	Low 0.1 to <1ha (0.247 to 2.47 acr	es)
		Vegetated hummucks/lussucks	2	Moderate 1 to <4ha (2.47 to 9.88	<del></del>
	1	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
	1	Standing dead >25cm (10in) dbh			
		Amphibian breeding pools	Microtopography Cove	r Scale	
			O	Absent	
			1	Present very small amounts or if m	ore common
,				of marginal quality	
at 21			2	Present in moderate amounts, but	•
1 72			3	quality or in small amounts of hig Present in moderate or greater am	
سمر			·	and of highest quality	or serviced

53,5 GRAND TOTAL(max 100 pts)

Site: WC+	ml 1h	Rater(s):	m(,lb)	Date: 6/29/07
44	Metric 1. Wetland	l Area (size).		
सात्त्वरात् होतः - ज्योगन्त्	Select one size class and assign score >50 acres (>20 2ha) (6 pls) 25 to <50 acres (10 1 to <20 \times 10 to <25 acres (4 to <10 1h 3 to <10 acres (1 2 to <4ha) 0 3 to <3 acres (0 12 to <6 <0 1 acres (0 04ha) (0 pls)	) 2ha) (5 pts) ia) (4 pts) (3 pts) iba) (2pts)		
12 16	Metric 2. Upland	buffers and su	rrounding land	d use.
mise late of the minestern	2a Caiculate average buffer width S WIGE Buffers average 50th MEDIUM Buffers average NARROW Buffers average VERY NARROW Buffers a 2b Intensity of surrounding land use VERY LOW 2nd growth or LOW Old held (>10 years) MODERATELY HIGH Resi	ielect only one and assign scol (164ft) or more around wettar 25m to <50m (82 to <164ft) arc 10m to <25m (32ft to <82ft) a verage <10m (<32ft) around w Select one or double check a older forest prairie, savannah shrubland, young second grou	re Do not double check hid perimeter (7) bund wetland perimeter (4) round wetland perimeter (1) etland perimeter (0) and average wildlife area, etc. (7) with forest (5) conservation titlage, new fallow	
19 24	Metric 3. Hydrolo	gy.		
region (14%) underta	3a Sources of Water Score alt that a High pH groundwater (5) Other groundwater (3) Precipilation (1) Seasonal/Intermittent surface Perennial surface water (laful source) 3c Maximum water depth Selection (1) 30 4 to 0 7m (15 7 to 27 6m) (1) 30 4 to 0 7m (15 7 to 27 6m) (1) 30 Modifications to natural hydrologic None or none apparent (12) Recovered (7) Recovered (3) Recent or no recovery (1)	e water (3) e or stream; (5) y one and assign score  2) regime Score one or double	Part of wetland/up Part of riparian or Jd Duration inundation/sat Semi- to permane Regularly inundati X Seasonally inundation Seasonally satura check and average	n (1) ske and other human use (1) sland (e.g. forest), complex (1) upland corridor (1) uration. Score one or dbi check intly inundated/saturated (4) ed/saturated (3) sled (2) sted in upper 30cm (12in) (1)
11.5 45.5				
11.5 45.1 max 20 ers subtoted	Metric 4. Habitat A  4a Substrate disturbance Score one None or none apparent (4) Recovered (3) Receint or no recovery (1)  4b Habitat development Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor (6) Poor (1)  4c Habitat alteration Score one or do	or double check and average one and assign score	Development.	·
us subtreal this page	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observing grazing clearcutting selective cutting woody debris removal loxic pollularis	shrub/sapling remo herbaceous/aquali sedimentation dredging farming nutrient enrichmen	ç bed removal

lite: Wet	ml 1b F	(ater(s):	m(,lb	Date: 6/29/
# sublocal this g	nage		•	
0 0	Metric 5. Special We	etlands.		
ia- 10 prs subjectal	Check all that apply and score as indicated			
	Bog (10)			
	Fen (10)			
	Old growth forest (10)  Mature forested wetland (5)			
	Lake Erie coastal/tributary welland	d-unrestricted bydro	sloov (10)	
	Lake Erie coasial/tributary wetland		<del>-</del> , :	
	Lake Plain Sand Prairies (Oak Op	•		
	Relict Wet Praires (10)	·		
	Known occurrence state/federal th	weatened or endan	gered species (10)	
	Significant migratory songbird/wat		<u> </u>	
<del></del>	Category 1 Wetland See Question	on 1 Qualitative Rat	ing (-10)	
7 1	Motris & Blant same		intoronovoion m	iaratanaaranbu
8 8	_Metric 6. Plant comr	-	•	icrotopograpity.
ra - Colpis sucional	6a Welland Vegetation Communities	<del>, </del>	munity Cover Scale	- 10 5 7
	Score all present using 0 to 3 scale Aquatic bed			a (0 2471 acres) contiguous area
	Emergent	•	Present and either compris	erate quality, or comprises a
	2 Shrub		significant part but is of k	
	3 Foresi	2		es significant part of wetland's
	Mudflats		vegetation and is of mod	erate quality or comprises a small
	Open water		part and is of high quality	
	Other	3	Present and comprises sign	nificant part, or more, of wetland's
	6b horizontal (plan view) Interspersion		vegetation and is of high	quality
	Select only one	Alexandian Dane	inaine of Management Charles	
	High (5) Moderately high(4)	low	iption of Vegetation Quality	edominance of nonnative or
	Moderate (3)		disturbance tolerant nativ	
	Moderately low (2)	mod	Native spp are dominant co	<del></del>
	Y Low (1)		although nonnative and/o	r disturbance tolerant native spp
	None (0)		can also be present, and	species diversity moderate to
	6c Coverage of invasive plants Refer		moderately high, but gene	•
	lo Table I ORAM long form for list. Add or deduct points for coverage		threatened or endangere	
	Extensive >75% cover (-5)	high	A predominance of native s	pecies, with normative spp of native spp absent or virtually
	Moderate 25-75% cover (-3)		1	ersity and often, but not always.
	Sparse 5-25% cover (-1)			atened, or endangered spp
	Nearly absent <5% cover (0)			
	Absent (1)	Mudflat and Op	en Water Class Quality	
	6d. Microtopography	0	Absent <0.1ha (0.247 acre	<del></del>
	Score all present using 0 to 3 scale.	11_	Low 0.1 to <1ha (0.247 to 2	<del></del>
	Vegetated hummucks/tussucks / Coarse woody debris >15cm (6in)	2	Moderate 1 to <4ha (2.47 that High 4ha (9.88 acres) or mo	
	<del>~-</del>		I might 4 ha (e.eo acres) or the	<u> </u>
	LL ISlanding dead >25cm (18m) dbh			
	Standing dead >25cm (10in) dbh  Amphibian breeding pools	Microtopopraph	v Cover Scale	
	Standing dead >25cm (10in) dbh  Amphibian breeding pools	Microtopograph 0	Absent	
				or if more common
		0	Absent	or if more common
L		0	Absent Present very small amounts of marginal quality Present in moderate amounts	its, but not of highest
t		0 1 2	Absent Present very small amounts of marginal quality Present in moderate amount quality or in small amount	its, but not of highest s of highest quality
+ 21-		0	Absent Present very small amounts of marginal quality Present in moderate amounts	its, but not of highest s of highest quality

Refer to the most recent ORAM Score Calibration Report for the scoring, breakpoints between welland categories at the following address. http://www.epa.state.ch.us/dsw/401/401 html

į	Site:	wet	- ml 1		Rater(s):	mt.I	<i>b</i>	Date:	6/29/07
	,,		1				<u> </u>	<u> </u>	<u> </u>
•	4	4			Area (size)	).			
	alae o yro	<u>क्राइपिन्य हो</u>	>50 acr 25 to <1 10 to <1 3 to <1 0 3 to <	ass and assign score es ( -20 2ha) (6 pts) 50 acres ( 10 + to <20 ; 55 acres (4 to < 10 Tha) 5 acres (1 2 to < 10 Tha) 6 acres (0 12 to < 1 2ha) 6 3 acres (0 04 to < 0 tes) 6 4 0 4ha) 7 acres (0 04 to < 0 tes)	) (4 pls) 3 pls) al (2pls)				
	12	16	Metric 2	. Upland b	uffers and	surroun	ding land us	se.	
	ings Li pis	сас кол, н	2a Calculate avi  MOE  MEDIU  NARRO  VERY I  2b Intensity of si  VERY LOW  MODEs	erage buffer width. Se Buffers average 50m M. Buffers average 29 W. Buffers average 11 IARROW. Buffers average 11 IARROW. Buffers average 12 IARROW. 2nd growth or o Did field (>10 years) is RATELY HIGH. Resid	tect only one and assignated for more around for to <50m (82 to <16 for to <25m (82 to <16 for to <25m (32lt to < 6 for to <25m (32lt) around for the form to <25m (32lt) around for the forest prairie, savibrubland, young second	on score. Do not do wetland perimeter 4th) around wetland 82th) around wetland wetland wetland wetland wetland perimeteck and average annah wildlife area and growth forest. (5) park, conservation	puble check (7) perimeter (4) ad perimeter (1) eter (0) , etc. (7) (illage, new fallow field.)		
	15	-4	Metric 3	Hydrolog	1V.				
	1912 1930	restrute.	3a Sources of Whigh photograph Cother g Precipil Season Perenni 3c Maximum wa >0.7 (2: 0.4 to 0 >0.4 to 0 >0.7 (2: 0.4 to 0 >0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7 (2: 0.7	rater Score all that and groundwater (5) roundwater (5) roundwater (3) attent (1) attent (3) attent (1) attent (3) attent (1) surface water (1ake ter depth Selectionly (5) (1) (5) 7 to 27 6 in) (2) <15 7 in) (1) to natural hydrotogic mone apparent (12) attent (7)	water (3) or stream; (5) one and assign score  germe Score one or o  Check all disturbance titch life dike wer	3d Dural  X  Y  Jouble check and a	point source (nonstormy: filling/grading road bed/RR track dredging	d other huma e g (orest) of corridor (1) i Score one indated/satu rated (3)	complex (1) cor dbi check rated (4)
	11.5	45.5	4		stormwater input	nd Devel	opment.		
	ma. ZV prs	vabiotal	None or Recover Recove	none apparent (4) red (3) fing (2) or no recovery (1) opment Selectionty of tt (7) od (6) ) rely good (4) fair (2)  ion Score one or do	uble check and averag	·			
•	י	UF). S	Recover Recover Recent		Check all disturbance mowing grazing clearcutting selective cutting woody debris re toxic pollutants	moval 1	shrub/sapling removal nerbaceous/aqualic bed i sedimentation fredging arming nutrient enrichment	ernoval	

Site: WEF	m(1	Rater(s):	wl, (b Date: 6/291
Subtonal this	Page Page		
0 0	Metric 5. Special W	etlands.	
na 10 pls subtoto			
	βog (10)		
	Fen (10) Old growth farest (10)		
	Mature forested welland (5)		
	Lake Erie coastal/tributary wellar	d-unrestricted hydrolo	gy (10)
	Lake Erre coastal/tributary wetlan	d-restricted hydrology	(5)
	Lake Plain Sand Prairies (Oak O	penings) (10)	
	Relict Wet Praires (10) Known occurrence state/federal t	bronloned er endagee	red coories (10)
	Significant migratory songbird/wa	•	•
	Calegory 1 Walland See Questi		_
	7		
8 8	_]Metric 6. Plant com	munities, i	nterspersion, microtopography.
rax 20 pts subtatal	3		ounity Cover Scale
	Score all present using 0 to 3 scale		Absent or comprises <0 that (0.2471 acres) contiguous area
	Aquatic bed Emergent	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
	2 Shrub		significant part but is of low quality
	3 Forest	2	Present and either comprises significant part of wetland's
	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
	6b horizontal (plan view) Interspersion Selectionly one		vegetation and is of high quality
	High (5)	Natrative Resertin	tion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	Y 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 to Table 1 ORAM long form for list. Add		moderately high, but generallyw/o presence of rare threatened or endangered spp
	or deduct points for coverage	high	
			A Diecominance of harive abecies, with hornarive add
	Extensive >75% cover (-5)	•	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		-	•
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)		and/or disturbance tolerant native spp absent or virtually
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  ( Nearly absent <5% cover (0)		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
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  (1)  Nearly absent <5% cover (0)  Absent (1)	Mudflat and Open	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.  Water Class Quality
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  ( Nearly absent <5% cover (0)  Absent (1)  6d. Microlopography		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  Water Class Quality  Absent <0.1ha (0.247 acres)
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  (1)  Nearly absent <5% cover (0)  Absent (1)	Mudflat and Open	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.  Water Class Quality
	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microlopography  Score all present using 0 to 3 scale	Mudflat and Open 0 1 2	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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
	Extensive >75% cover (-5)  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	Mudflat and Open 0 1 2	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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
	Extensive >75% cover (-5)  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)	Mudflat and Open 0 1 2 3 Microtopography	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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	Extensive >75% cover (-5)  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	Mudflat and Open  0 1 2 3  Microtopography 0	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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale  Absent
	Extensive >75% cover (-5)  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	Mudflat and Open 0 1 2 3 Microtopography	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  Water Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common
1	Extensive >75% cover (-5)  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	Mudflat and Open 0 1 2 3 Microtopography 0 1	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  Water Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Cover Scale  Absent  Present very small amounts or if more common of marginal quality
ł .	Extensive >75% cover (-5)  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	Mudflat and Open  0 1 2 3  Microtopography 0	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  Water Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common
+ 24-	Extensive >75% cover (-5)  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	Mudflat and Open 0 1 2 3 Microtopography 0 1	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  Water Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  Cover Scale Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

Refer to the most record ORAM Score Calibration Report for the scoonglibreakpoints between welfand categories at the following address. http://www.epa.state.ch.us/dswi401/403 ntml

Site:	<u> </u>	40	414		Rater(s):	LEDAS P		Date:	5/9/	07
4	4	Meti	ric 1.	Wetland	d Area (size	).	đ		·	
uses 6 pix	subje4al	Select or	>50 acres 25 to <50 10 to <25 3 to <10 s 0 3 to <3 0 1 to <0	ss and assign sco s (>20 2ha) (6 pts acres (10 1 to <2 acres (4 to <10 1 acres (1 2 to <4ha acres (0 12 to <1 3 acres (0 04 to <5 5 (0 04ha) (0 pts)	) 0 2ha) (5 pts) ha) (4 pts) ) (3 pts) 2ha) (2pts)					
12	16	Metr	ic 2.	Upland	buffers and	surroun	ding land	use.		
elig G.I. affilm	Seutoral	2a Calc	ulate avera MIDE BI MEDIUM NARROW VERY NA sity of sum VERY LO LOW OR MODERA	age buffer width uitlers average 50 Buffers average V Buffers average RROW Buffers counding land use W 2nd growth o d field (>10 years) TELY HIGH Res	Select only one and ass in (164%) or more aroun 25m to 50m (82 to <16 e 10m to <25m (32ft to average <10m (<32ft) ar Select one or double rolder forest, praine, sa i. shrubland, young second sidential, fenced pasture pen pasture, row cropping to the select one of the sele	ign score. Do not did welland perimeter 54ft) around welland (52ft) around welland cound welland perimetrick and average, vannah, wildlife area and growth forest. (5, park, conservation.	ouble check (7) I perimeter (4) Ind perimeter (1) eter (0)  a. etc. (7) I tillage, new fallow fi			
18	34	Metr	ic 3.	Hydrolo	gy.					
niga <i>10</i> pis	subtotal	3c Maxi	High pH g Other gro- Precipitati Seasonali Perennial mum water >0.7 (27.6 0.4 to 0.76 <0.4 m (<1	Intermittent surfa surface water (fal depth Select or im) (3) m (15.7 to 27.6m) (5.7m) (1)	ce water (3) ke or stream) (5) nly one and assign score	3d Dura	nectivity Score all the 100 year floodplain in Berween streamfake Part of wetlandfupla Part of riparian or up too innundation/satur Sermanent Regularly inundated Seasonally inundated Seasonally saturated verage.	(1) e and other hun nd (e g forest), bland corridor (1 ation, Score on ly inundated/sat /saturated (3) id (2)	complex (1) ) e or dbl check uraled (4)	ı
			Recovered Recoverin		Check all disturbant ditch tile dike weir stormwaler inp		point source (nonsto filling/grading road bed/RR track dredging other	rmwater)		
116	45,5		ia A	Ushitat	A Horotian a	and David	anmant			
ma× 20 pts	subtotal	4a. Subs	Irate distur None or ne Recovered Recoverin Recent or at develop Excellent i Very good Good (5) Moderatel Fair (3) Poor to fai Poor (1)	bance. Score on one apparent (4) d (3) g (2) no recovery (1) ment. Select only (7) l (6) y good (4)	Alteration as or double check and a conductive and assign score.	verage.	opinent.			
, r	US.5	u <sup>4</sup> 🔄	None or no Recovered Recoverin	one apparent (9) 1 (6)	Check all disturbance mowing grazing clearcutting selective cuttin woody debris in toxic pollutants	g emoval	shrub/sapling removi herbaceous/aquatic sedimentation dredging farming nutrient enrichment	41	w.	

ORAM v. 5.0	0 Field Fo	rm Quantitative Rating		1 1	//
Site:		RTWITYR	ater(s):	BA	Date: (/9/07
O DIS	G Sudtolal	Metric 5. Special We 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 Oper Relict Wet Praires (10) Known occurrence state/federal the Significant migratory songbird/water	l-unrestricted hydrology I-restricted hydrology (5 enings) (10) reatened or endangere er fowt habitat or usage	d species (10) (10)	
8	4	Metric 6. Plant comm			crotopography.
max 20 pts	subtoral	6a Wetland Vegetation Communities	Vegetation Commu	•	
		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
		Emergent		vegetation and is of modera	te quality, or comprises a
		Shrub		significant part but is of low	quality
		3 Forest	2	Present and either comprises	· ·
		Mudflats			te quality or comprises a small
		Open water	<del></del>	part and is of high quality	
		Other	3	1	cant part, or more, of welland's
		6b horizontal (plan view) Interspersion		vegetation and is of high qu	ality
		Select only one	Manual a Bound do		
		High (5)		on of Vegetation Quality	entinenan of connection or
		Moderately high(4) Moderate (3)	low	Low spp diversity and/or pred	
		Moderately low (2)	mod	disturbance tolerant native s  Native spp are dominant com-	
		Y Low (1)	moo	• • • • • • • • • • • • • • • • • • • •	isturbance tolerant native spp
		None (0)		can also be present, and sp	
		6c. Coverage of invasive plants. Refer		moderately high, but genera	·
		to Table 1 ORAM long form for list. Add		threatened or endangered s	•
		or deduct points for coverage	high	A predominance of native spe	cies, with nonnative spp
		Extensive >75% cover (-5)		and/or disturbance tolerant	native spp absent or virtually
		Moderate 25-75% cover (-3)		absent, and high spp diversi	ty and often, but not always,
		Sparse 5-25% cover (-1)		the presence of rare, threate	ned, or endangered spp
		Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open W		
		6d. Microtopography.	0	Absent <0.1ha (0.247 acres)	<del></del>
		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	
		Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
		<ul> <li>Standing dead &gt;25cm (10in) dbh</li> <li>Amphibian breading pools</li> </ul>	Microtecanostic	avez Canta	
		13 Continued oraquid boots	Microtopography Co	Absent	
			1	Present very small amounts or	if more common
			•	of marginal quality	
~ /			2	Present in moderate amounts.	but not of highest
1	_			quality or in small amounts of	*
at p	-		3	Present in moderate or greater	
				and of highest quality	

53,5 GRAND TOTAL(max 100 pts)

toxic pollutants

nutrient enrichment

ORAM v. 5	.0 Field Fo	orm Quantitative	e Rating		Λ		11
Site:			2 TW 114 R	ater(\$):	THE	ASIL	Date: (19/07
		7 /	·		,	0	
	1 4						
,	subtotal this p	<u></u> i .ge					
	a	Ī					
0		Metric	5. Special We	etlands.			
ны 10 <i>р</i> т5	sulfelid	Check at that	apply and score as indicated				
		,	(10)				
		<b></b>	(10) growth forest (10)				
			grown lorest (10) ure forested wetland (5)				
		<del></del>	Erie coastal/tributary welland	I-unrestricted hydro	logy (10)		
		Lake	Ene coastal/tributary welland	i-restricted hydrolog	gy (5)		
		<b>—</b>	e Plain Sand Prairies (Oak Op	enings) (10)			
		<del>  -  </del>	ct Wet Praires (10) win occurrence state/federal th	reatened or endang	norad enociae (	10\	
			idicant migratory songbird/wati		•	. (0)	
			egory 1 Wetland See Questio		•		
			o 51 .	1			
<u> 8</u>	8			nunities,	intersp	ersion, mic	rotopography.
так 26 дты	surfacel		/egelation Communities	Vegetation Com			2171
			ent using 0 to 3 scale atic bed	0		t or comprises <u (t<br="" ina="">nt and either comprises</u>	2471 acres) contiguous area
			rgent	·	1		e quality, or comprises a
		2 Shru	ıb		1 -	ficant part but is of low o	
		3 Fore		2	- 1		significant part of wetland's
		Mud	flats n water		1 -	tation and is of moderal and is of high quality	e quality or comprises a small
		Othe		3			ant part, or more, of wetland's
		6b horizontal	tplan view) Interspersion		1	tation and is of high qua	
		Select only on					
		High	(5) erately high(4)	Narrative Descr	·		minance of nonnative or
		<del></del>	erate (3)	IOW	1 '	rbance tolerant native s	
		Mod	erately low (2)	mod	_ + -		onent of the vegetation.
		X Low				-	sturbance tolerant native spp
		None Bo Coverses	e (0) of invasive plants Refer		ı		cies diversity moderate to
		•	AM long form for list. Add			erately high, but general tened or endangered so	
			ts for coverage	high		ominance of native spec	·
•			nsive >75% cover (-5)				alive spp absent or virtually
		<del></del>	erate 25-75% cover (-3) se 5-25% cover (-1)		<b>I</b>		y and often, but not always, ned, or endangered spp
			iy absent <5% cover (0)		ine p	reserve or rate, in eare	neo, or endangered spp
		Abse	ent (1)	Mudflat and Ope	n Water Class	Quality	<del>-</del>
		6d. Microtopos		0		<0.1ha (0.247 acres)	<del></del>
			ent using 0 to 3 scale	2		1 to <1ha (0.247 to 2.47	
		· — ·	etated hummucks/tussucks se woody debris >15cm (6in)	3		ate 1 to <4ha (2.47 to 9. ha (9.88 acres) or more	oo ades)
			ding dead >25cm (10in) dbh		13	1-11	
		Amp	hibian breeding pools	Microtopograph	y Cover Scale		
				0	Absent		it more common
				1		t very small amounts or aginal quality	n mare conniton
. 1				2		t in moderate amounts,	but not of highest
xt z	, <b>-</b> .				qualit	y or in small amounts of	highest quality
	-			3		t in moderate or greater Chiefaet quality	amounts
					; aa⊓α o	f highest quality	

53,5 GRAND TOTAL(max 100 pts)

ORAM v. 5.0 Field Form Quantitative Rating Ktw -11 Rater(s): Site: Metric 1. Wetland Area (size). Selectione size class and assign score >50 acres (~20 2ha) (6 pis) 25 to <50 acres (10.1 to <20.2ha) (5.pts). 10 to <25 acres (4 to <10 that (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) 12 Metric 2. Upland buffers and surrounding land use. Calculate average buffer width. Selectionly one and assign score. Do not double check WIDE Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM Buffers average 25m to <50m (82 to <164ft) around wetland permeter (4) NARROW Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (0) 2b Intensity of surrounding land use. Select one or double check and average VERY LOW 2nd growth or older forest prairie, savannah, wildlife area, etc. (7). LOW Old field (>10 years) shrubland, young second growth forest (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH Urban, industrial, open pasture, row cropping, mining, construction (1) Metric 3. Hydrology. Sources of Water Score all that apply 3b. Connectivity. Score all that apply High pH groundwater (5) 100 year Boodpiam (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wettand/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corndor (1) Perennial surface water (fake or stream) (5) Duration inundation/saturation Score one or dol check 3c Maximum water depth. Select only one and assign score. Semi- to permanently inundated/saturated (4) l 20 7 /27 6m) (3). Regularly inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6m) (2) Seasonally inundated (2) <0.4m i<15.7ml (f) Seasonally saturated in upper 30cm (12in) (1) 3e Modifications to natural hydrologic regime. Score one or double check and average None or none apparent (12) Check all disturbances observed ditch Recovered (7) point source (600stormwater) Recovering (3) tile filling/grading Recent or no recovery (1) road bed/RR track dike weir dredging stormwater input other Metric 4. Habitat Alteration and Development. 4a Substrate disturbance. Score one or double check and average mai 20 ets None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habital development. Selectionly one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) 4c Habitat alteration. Score one or double check and average None or none apparent (9) Check all disturbances observed Recovered (6) mowing shrub/sapling removal herbaceous/aquatic bed removal Recovering (3) orazino Recent or no recovery (1) clearcutting sedimentation selective culting dredging woody debris removal faming 45: toxic pollutants nument enrichment

ORAM v. 5	.0 Field Fo	arm Quantitat	live Rating		1		1 /
Site:			RTWITYR	ater(s):	16c	ASI	Date: (/9/0;
	gubiolal this p	ige.	(		γ .	0	·
0	0	Metri	c 5. Special We	tlands.			
mas 10 pts	ระเทษไวใ	_	nat apply and score as indicated				
		B F F C C M M L L L L L L K K K K K K K K K K K K	og (10) en (10) ild growth forest (10) lature forested wetland (5) ake Erie coastal/tributary wetland ake Erie coastal/tributary wetland ake Plain Sand Prairies (Oak Ope elict Wet Praires (10) nown occurrence state/federal this	d-restricted hydroto enings) (10) reatened or endan	ogy (5) ngered specie	es (10)	
			ignificant migratory songoirorwate ategory 1 Welfand - See Questio		-		
8	4	7	c 6. Plant comn		•	nersion mic	rotopogranhy
max 20 pts	sucrocal	_	d Vegetation Communities	Vegetation Cor		•	wordhagi mbii ji
			esent using 0 to 3 scale	0			0 2471 acres) contiguous area
		☐ A	quatic bed	,		sent and either comprises	
		E	mergent		V4	egetation and is of moderal	te quality, or comprises a
		2 s	hrub		51	gnificant part but is of low o	quality
		_3  €0	orest	2	Pre	sent and either comprises	significant part of wetland's
		ll™	udílais		l v∈	agelation and is of moderal	le quality or comprises a small
		1	pen water		<u></u>	and and as of high quality	
			lher	3	Pres	sent and comprises signific	cant part, or more, of wetland's
			tal (plan view) Interspersion		ve	egetation and is of high qua	ılıty
		Select only		Name of Section		4.45 87.455	
		_	gh (5) oderately high(4)	low		getation Quality spp diversity and/or predo	amin according of
			oderatery mign(4)	iow	i	sturbance tolerant native s	
		<u> </u>	oderately low (2)	mod		ve spp are dominant comp	
			ow (1)				sturbance tolerant native spp
			one (0)			<del>-</del>	cies diversity moderate to
		6c Coverag	ge of invasive plants. Refer		me	oderately high, but general	lywio presence of rare
		to Table 1 C	RAM long form for list. Add		th	realened or endangered sp	op
		or deduct po	ants for coverage	high	Apr	edominance of native spec	pes, with nonnative app
			densive >75% cover (-5)		an	id/or disturbance tolerant n	ative spp absent or virtually
		<del> </del>	oderate 25-75% cover (-3)				ty and often, but not always.
			parse 5-25% cover (-1)		the	e presence of rare, threate	ned, or endangered spp
		<del>  </del>	aarly absent <5% cover (0) osent (1)	Nevertial and O-		O	
		6d Microto	* =	Mudflat and Op		ent <0.1ha (0.247 acres)	<u></u>
			esent using 0 to 3 scale	1		0 1 to <1ha (0.247 to 2.47	acres)
			egetated hummucks/tussucks	2		lerate 1 to <4ha (2.47 to 9	<del></del>
			parse woody debris >15cm (6in)	3		4ha (9.88 acres) or more	
		<del></del> 1	anding dead >25cm (10in) dbh	-			<del></del>
		Ar	nphibian breeding pools	Microtopograph	ny Cover Sc	ale	
				0	Abs	ent	
				1	Pres	sent very small amounts or	if more common
					lof	marginal quality	
at z				2	I	sent in moderate amounts,	
17 -	2_			3		ality or in small amounts of	
4	-			ა		sent in moderate or greater of biobast quality	GITIOUTIS

53,5 GRAND TOTAL(max 100 pts)

Site:	RTW -114	Rater(s):	leasty	Date: 5/9/07
4 4	Metric 1. Wetlai	nd Area (size	).	
maro pis adesa		core ols) <20 2ha) (5 pts) 0 1ha) (4 pts) ha) (3 pts) <1 2ha) (2pts) o <0 12ha) (1 pti	•	
12 14	Metric 2. Upland	d buffers and	d surrounding land	d use.
mās tā pāy satiskat.	2a Calculate average buffer width WIDE Buffers average MEDIUM Buffers average NARROW Buffers avera VERY NARROW Buffer 2b Intensity of surrounding land to VERY LOW 2nd growth LOW Old field (>10 year MODERATELY HIGH IF	n Selectionly one and assisted in 164(t) or more arounge 25m to <50m (62 to <10 age 10m to <25m (32h to its average <10m (<32h) arise. Selectione or double to older forest prairie, sairs) shrubland, young seconsiderital, fenced pasture.	ign score. Do not double check d wetland perimeter (7) 64ft) around wetland perimeter (4) <82ft) around wetland perimeter (1) ound wetland perimeter (0) check and average vannah, wildlife area, etc. (7)	
100 4	Metric 3. Hydro	logy.		
enus es Es al est	High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent su Perennial surface water 3c Maximum water depth. Select >0.7 (27 6in) (3) 0.4 to 0.7m (15.7 to 27.6 >0.4 m (15.7 to 27.6 Modifications to natural hydrol	rface water (3) flake or stream) (5) only one and assign score in) (2) ogic regime Score one or	Part of wetland/up Part of inparian or 3d Duration inundation/sat Semi- to permane Regularly mundat X Seasonally mundat Seasonally satura double check and average	ake and other human use : 1 pland (e.g. forest), complex (1) upland corridor (1) (uration Score one or dbt check antly inundated/saturated (4) ed/saturated (3)
	None or none apparent (  Recovered (7) Recovering (3) Recent or no recovery (1)	ditch tile	point source (nons filling/grading coad bed/RR track dredging	
11.5 45.	Metric 4. Habita	t Alteration a	and Development.	
niaa 20 pis Gibiola	<del></del>	one or double check and a 4) ) inly one and assign score.	veragê	
U.S. Fi	None or none apparent (in Recovering (3)) Recent or no recovery (1)	Check all disturband mowing grazing	shrub/sapling reminerbaceous/aquat sedimentation dredging farming	ic bed removal

ORAM v. 5.0 Field	form Quantitative Rating		1 1	/ /
Site:	RTWITT	later(s):	E ASK	Date: (/9/07
Subsocial (1	ns page	<i>γ</i>	•	<b>,</b>
0 0	Metric 5. Special We	etlands.		
max 10 pts subs	<del></del>			
	Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetland Lake Erie coastal/tributary wetland Lake Plain Sand Prairies (Oak Op Relict Wet Praires (10) Known occurrence state/federal th	d-restricted hydrology (5) ienings) (10) ireatened or endangered s	species (10)	
	Significant migratory songbird/wat	-		
	Calegory 1 Welland See Questro	ou i Ghallianas kalind (- 14	))	
8 8	Metric 6. Plant comr	nunities, inte	erspersion, mic	rotopography.
mar (Pé pis sues		Vegetation Communit	•	
	Score all present using 0 to 3 scale	0	Absent or comprises <0 tha (0	2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises s	mail part of wetland's
	Emergent		vegetation and is of moderate	
	Shrub		significant part but is of low of	
	3 Forest	2	Present and either comprises s	- ·
	Mudflats		1 -	e quality or comprises a small
	Open water Other	2	part and is of high quality	
	6b horizontal (plan view) Interspersion	3	Present and comprises signification	
	Select only one		vegetation and is of high qua	ity
	High (5)	Narrative Description	of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predo	minance of nonnative or
	Moderate (3)		disturbance tolerant native sp	ecies
	Moderately low (2)	mod	Native spp are dominant compo	onent of the vegelation.
	Y Low (1)		although nonnative and/or dis	turbance tolerant native spp
	None (0)		can also be present, and spe-	·
	6c Coverage of invasive plants Refer		moderately high, but generall	•
	to Table 1 ORAM long form for list. Add		threatened or endangered sp	
	or deduct points for coverage  Extensive >75% cover (-5)	high	A predominance of native spec and/or disturbance tolerant na	
	Moderate 25-75% cover (-3)		absent, and high spp diversity	• • • • • • • • • • • • • • • • • • • •
	Sparse 5-25% cover (-1)		the presence of rare, threaten	·
	Nearly absent <5% cover (0)		······································	
	Absent (1)	Mudflat and Open Wat	er Class Quality	
	6d. Microtopography	0	Absent <0.1ha (0.247 acres)	
	Score all present using 0 to 3 scale		Low 0.1 to <1ha (0.247 to 2.47	<del></del>
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.1	16 acres)
	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
	Standing dead >25cm (10in) dbh  Amphibian breeding pools	Microtonography Cove	er Scale	
	E. Learthing an dideating boots	Microtopography Cove	Absent	<del></del>
		1	Present very small amounts or i	f more common
			of marginal quality	
~ 1		2	Present in moderate amounts, t	out not of highest
1 -			quality or in small amounts of	
at 21		3	Present in moderate or greater	amounts
-			and of highest quality	

53.5 GRAND TOTAL(max 100 pts)

loxic pollulants

nutrient enrichment,

ORAM v. 5.0 F	ield For	m Quantitat	ive Ratin	9		n		a 1		/ /
Site:			RT	W 114 F	Rater(\$):	P	8/	BL	Date:	19/07
	B atal this page		,	•				.,		
0	Ô		5.	Special W	etlands.					
iin- 10 pis	Sulf-total	Check all the	al alopty a og (10) en (10) id growth ature fore ake Erie c ake Erie c ake Plain : etict Wel I	ind score as indicated forest (10) sted wetland (5) coastal/tributary wetland coastal/tributary wetland Sand Prairies (Oak Operaires (10) cirrence state/federal filtingratory songbird/wa	d-unrestricted hyd d-restricted hydro lenings) (10) areatened or end:	ology (5) angered spi	ecies (	10)		
8	d	c	ategory 1	Weiland See Questi	on 1 Qualijative R	(- 10) gnila		ersion, mic	rotone	ography.
				on Communities	Vegetation Co		-	•	.o.opo	.a. ~p.,, y.
			_	g 0 to 3 scale	Đ	<del></del>		or comprises <0 that(	2471 acres) (	contiguous area
		Ac	quatic bec	I	1	,	Presen	it and either comprises	mall part of w	etland's
		Ed	nergent			ŀ	vege	tation and is of moderat	e quality, or co	mprises a
		2 Sr	մսն				signi	licant part but is of low o	uality	
		3 50	resi		2	10	Presen	it and either comprises :	ignificant part	of welland's
		Mi	dials			- 1	vege	lation and is of moderat	e quality or co	mprises a small
		o	en waler				part a	and is of high quality	<del></del>	
		L OI	her		3	] 6	Presen	t and comprises signific	ant part, or mo	re, of wetland's
		6b horzoni	al (plan v	iew) Interspersion			vege	lation and is of high qua	lity	
		Selectionly of	one gh (5)		Narrative Des	crintian of	Vecel	tating Quality		
			oderately	high(4)	low			p diversity and/or predo	minance of po	onalive or
		<del></del>	oderale (3	•		(		bance tolerant native si		, a
			oderately		mod	1,		spp are dominant comp		egetation.
			w (1)					ugh nonnative and/or di		=
		No	ne (0)					itso be present, and spe		
		6c Coverag	e of inva	sive plants. Refer			mode	rately high, but general	ywło presence	of rare
				form for list. Add			(hrea	tened or endangered sp	Ρ	
		or deduct pa	ints for co	verage	high	1	y predo	ominance of native spec	ies, with nonn	ative spp
		Ε×	lensive >	75% cover (-5)			and/o	or disturbance tolerant n	stive spp abse	nt or virtually
		Mo	iderate 2:	5-75% cover (-3)			absed	nt, and hìgh spp diversit	y and often, bu	st not always.
		LX Sø	arse 5.25	6% cover (-1)			the p	resence of rare, threater	ied, or endang	ered spp
			•	nt <5% cover (0)						
			sent (1)		Mudflat and O					
		6d. Microtop			0			<0.1ha (0.247 acres)		
				g 0 to 3 scale				1 to < 1ha (0.247 to 2.47		
		F	-	ummucks/tussucks	2			ite 1 to <4ha (2.47 to 9.	88 acres)	
				dy debris >15cm (6in)	3	<u> </u>	ligh 4r	na (9.88 acres) or more		
				ađ >25cm (10in) d <b>b</b> h ireeding pools	Minentonome	nhu Causa	Casta			
		LL M	priiviati E	record pools	Microtopogra					مرسبب بهدي
					1		resent	I very small amounts or	I more comm	<u></u>
					'	'		•	. HIGHE SUITHER	
n /					2			rginal quality t in moderate amounts,	and not of high	est
at 22-					2	]		y or in small amounts of	-	
W 22					3	F		in moderate or greater		<del></del>
						Ţ		f highest quality		

53.5 GRAND TOTAL(max 100 pts)

Site:		RIT	W = 1	1.15	Rater(s):	Reosk	Date:	5/5/07
2	2	Metr	ic 1. W	Vetland	Area (size			
illax 6 pts	şug lotal	Select or	e size class ar >50 acres (>2 25 to <50 acre 10 to <25 acre 3 to <10 acre 0 3 to <3 acre 0 1 to <0 3 acre <0 1 acres (0	nd assign scor to 2ha) (6 pts) as (10 1 to <20 as (4 to <10.1t s (1 2 to <4ha) is (0 12 to <1.2 res (0 04 to <0	e (2 pts) (5 pts) (3 pts) (3 pts) (2 pts) (2 pts) (2 pts) (2 pts)			
4	6	Metr	ic 2. U	pland	buffers an	d surrounding	land use.	
inax 14 pis	Subfoldiu	2a Calc	ulate average I WIDE Buffer MEDIUM Bu NARROW B VERY NARRO sity of surroun VERY LOW LOW. Old fiel MODERATEL	buffer width \$ s average 50n ffers average uffers average OVV Buffers a ding land use 2nd growth or ld (>10 years) Y HIGH. Res	elect only one and as a (164ft) or more arou 25m to <50m (82 to < 10m to <25m (32ft k verage <10m (<32ft); Select one or double older forest, preirie, s shrubland, young selectial, lenced pastured.	sign score Do not double che nd wetland perimeter (7) 164ft) around wetland perimet o <82ft) around wetland perime around wetland perimeter (0)	eck. er (4), eter (1)	
18	24	Metr	ic 3. H	ydrolo	gy.	,		
niax 30 pis	subfota	3c. Maxi	Perennia! surf mum water dej >0.7 (27.6in) { 0.4 to 0 7m (1 <0.4m {<15.7i fications to nat	ndwater (5) water (3) 1) rmittent surface face water (lake) goth. Select on (3) 5.7 to 27.6in) (io) (1) ural hydrologic apparent (12) ()	e water (3) e or stream) (5) by one and assign sco (2) cregime. Score one of	and the second s	t/RR track	complex (1) e or dbl check, wated (4)
(1	35	Metr	ic 4. H	abitat .	Alteration	and Developm	nent.	
mak 20 pis	subjolat	2.5 X X 46. Habi	None or none Recovered (3) Recovering (2) Recent or no i at developmer Excellent (7) Very good (6) Good (5) Moderately go Fair (3) Poor to fair (2) Poor (1)	apparent (4)  ) recovery (1) nt. Select only  and (4) ) Score one or d apparent (9) )	one and assign score  ouble check and aver  Check all disturbations greating clearcuiting	age. nces observed shrub/sa herbaced sedimen	-	,
;	35				selective cutt woody debris toxic pollutan	removal farming	l enrichment	

Site:	×70-	115 R	ater(s):	Repasty-	Date: 5/9/0
	1			•	
7					
subtotal this pag	ł e				
l l	ĺ				
00	Metric 5. S	necial We	tlands.		
inax tô pis subtolat	Check all that apply and	•	· · · · · · · · · · · · · · · · · · ·		
	Bog (10)				
	Fen (10)				
	Old growth fo	rest (10)			
	<u> </u>	ed welland (5)			
		stal/tributary wetland			
		stal/tributary wetland	·=	lagy (5)	
	<del></del>	ind Prairies (Oak Ope	enings) (10)		
	Relict Wet Pra	aires (10) ence state/federal thi	rostoned or and	anapped enection (10)	
	J	gratory songbird/wate		• • •	
		etland. See Question		<b>-</b>	
n 17	<del></del>			- · · · <b>-</b> · · · · ·	
7   7	Metric 6. P	lant comn	nunities	, interspersion.	microtopography.
max 20 pts subtolal	ва. Wetland Vegetation			ommunity Cover Scale	
	Score all present using		0		0.1ha (0.2471 acres) contiguous area
	Aquatic bed		1	Present and either con	nprises small part of wetland's
	Emergent			vegetation and is of i	moderate quality, or comprises a
	Z_Shrub			significant part but is	
	Forest Mudflats		2		norises significant part of wetland's
	Open water			part and is of high qu	moderate quality or comprises a small
	Other		3		s significant part, or more, of wetland's
	6b. horizontal (plan view	v) Interspersion		vegetation and is of I	_ •
	Select only one.				
	High (5)		Narrative Des	cription of Vegetation Quality	
	Moderately high	gh(4)	tow	1 ''	or predominance of nonnative or
	Moderate (3)			disturbance tolerant	
	✓ Moderately low (1)	w (2)	mod	1 '-	nl component of the vegetation,
	None (0)			1 -	nd/or disturbance tolerant native spp and species diversity moderate to
	6c. Coverage of invasiv	e plants. Refer		•	generallyw/o presence of rare
	to Table 1, ORAM long for	=		threatened or endang	* , ,
•	or deduct points for cove	erage	high	A predominance of nat	ive species, with nonnative spp
	Extensive >75	% cover (-5)		and/or disturbance to	elerant native spp absent or virtually
	★ Moderate 25-7	'5% cover (-3)		1	diversity and often, but not always,
				the presence of rare,	Inreatened, or endangered spp
	Sparse 5-25%				
	Sparse 5-25% Nearly absent	cover (-1) <5% cover (0)	St. office and C	and Mater Class Overthe	
	Sparse 5-25% Nearly absent Absent (1)			pen Water Class Quality	arrac)
	Sperse 5-25% Nearly absent Absent (1) 6d. Microtopography,	<5% cover (0)	Mudflat and C	Absent <0.1ha (0.247	
	Sparse 5-25% Nearly absent Absent (1) 6d. Microtopography, Score all present using (	<5% cover (0)	0	<del></del>	to 2.47 acres)
	Sparse 5-25% Nearly absent 'Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody	<5% cover (0)  to 3 scale.  nmucks/tussucks debris >15cm (6in)	0	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247	to 2.47 acres) .47 to 9.88 acres)
	Sparse 5-25% Nearly absent Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody I Standing dead	<5% cover (0)  I to 3 scale.  nmucks/lussucks debris > 15cm (6in) >25cm (10in) dbh	0 1 2 3	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2 High 4ha (9.88 acres) o	to 2.47 acres) .47 to 9.88 acres)
	Sparse 5-25% Nearly absent 'Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody	<5% cover (0)  I to 3 scale.  nmucks/lussucks debris > 15cm (6in) >25cm (10in) dbh	0 1 2 3 Microtopogra	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2 High 4ha (9.88 acres) only Cover Scale	to 2.47 acres) .47 to 9.88 acres)
	Sparse 5-25% Nearly absent Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody I Standing dead	<5% cover (0)  I to 3 scale.  nmucks/lussucks debris > 15cm (6in) >25cm (10in) dbh	0 1 2 3 Microtopogra	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2 High 4ha (9.88 acres) o hy Cover Scale Absent	to 2.47 acres) .47 to 9.88 acres) or more
	Sparse 5-25% Nearly absent Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody I Standing dead	<5% cover (0)  I to 3 scale.  nmucks/lussucks debris > 15cm (6in) >25cm (10in) dbh	0 1 2 3 Microtopogra	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2 High 4ha (9.88 acres) or only Cover Scale Absent Present very small amo	to 2.47 acres) .47 to 9.88 acres)
	Sparse 5-25% Nearly absent Absent (1) 6d. Microtopography, Score all present using ( Vegetated hun Coarse woody I Standing dead	<5% cover (0)  I to 3 scale.  nmucks/lussucks debris > 15cm (6in) >25cm (10in) dbh	0 1 2 3 Microtopogra	Absent <0.1ha (0.247 Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2 High 4ha (9.88 acres) of the Cover Scale Absent Present very small among of marginal quality	to 2.47 acres) .47 to 9.88 acres) or more

Cot of

GRAND TOTAL(max 100 pts)

Present in moderate or greater amounts

and of highest quality

ORAM v. 5.0 Field Form Quantitative Rating First Energy Rater(s): Site: Date: Metric 1. Wetland Area (size). Selectione size class and assign score. CONTRACT >60 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) ML - 334 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 ecres (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) Metric 2. Upland buffers and surrounding land use. 2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (62 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) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, sevenneh, wildlife area, etc. (7) LOW. Old field (>10 years) shrubland, young second growth forest (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field, (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. 3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wetland/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) Perennial surface water (take or stream) (5) Duration inundation/saturation. Score one or dbl check. Semi- to permanently inundated/saturated (4) 3c. Maximum water depth. Select only one and assign score. >0.7 (27.6in) (3) Regularly inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally inundated (2) <0.4m (<15.7in) (1) Seasonally saturated in upper 30cm (12in) (1) 3e. Modifications to natural hydrologic regime. Score one or double check and average. None or none apparent (12) Check all disturbances observed Recovered (7) ditch point source (nonstormwater) Recovering (3) filling/grading tile Recent or no recovery (1) rike road bed/RR track dredging, weir stormwater input other 13 Metric 4. Habitat Alteration and Development. 4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average. None or none apparent (9) Check all disturbances observed Recovered (6) mowina shrub/sapling removal Recovering (3) grazing herbaceous/aquatic bed removal See of the Recent or no recovery (1) clearcutting sedimentation selective cutting dredging

woody debris removal

toxic pollutants

farming

nutrient enrichment

Ub. >

ORAM v. 5.0 Field Form	Quantitative	Rating
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ite: Middi	lefield	Rater(s): ML, I	LB	Date: 5/9/07
40.5 subtotal fitis p	ML-334	iotiondo		
<del></del>	Transpire of absorption			
ex 10 pls. subtotaf	Check all that apply and score as indicated Bog (10) Fen (10) Old growth forest (10)	d		
	Mature forested wetland (5) Lake Erie coastal/tributary wetla Lake Erie coastal/tributary wetla		(0)	
	Lake Plain Sand Prairies (Oak C			
	Relict Wet Praires (10)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
•	Known occurrence state/federal	threatened or endangered s	species (10)	
	Significant migratory songbird/wa			
	Category 1 Wetland. See Quest	tion 1 Qualitative Rating (-10	0)	
- 1, 7, 1	7			_
9 45.	Metric 6. Plant com	munities, inte	erspersion, mic	rotopography
x 20 pts. subtotei	6a. Welland Vegetation Communities.	Vegetation Communit	-	
	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 s	mall part of wetland's
	1 Emergent		vegetation and is of moderate	quality, or comprises a
	3 Shrub		significant part but is of low q	uality
	6 Forest	2	Present and either comprises s	
	Mudilats		vegetation and is of moderate	•
	Open water		part and is of high quality	
	Other	3	Present and comprises significa	ant part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.		vegetation and is of high qual	
	Select only one.			
	High (5)	Narrative Description	of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predor	minance of nonnative or
	Moderate (3)		disturbance tolerant native sp	ecies
	Moderately low (2)	mod	Native spp are dominant compo	onent of the vegetation,
	Low (1)		although nonnative and/or dis	turbance tolerant native spp
•				
	None (0)	•	can also be present, and spe-	cies diversity moderate to
	None (0) 6c. Coverage of invasive plants. Refer		can also be present, and spe- moderately high, but generally	· .
	· '			yw/o presence of rare
	6c. Coverage of invasive plants. Refer	high	moderately high, but generally threatened or endangered spi	ywlo presence of rare
`	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)	high	moderately high, but general	yw/o presence of rare o es, with nonnative spp
lora	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high	moderately high, but generally threatened or endangered spirit A predominance of native speci	ww/o presence of nare o es, with nonnative app ative app absent or virtually
lona	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)	high	moderately high, but generally threatened or endangered spi A predominance of native speci and/or disturbance tolerant na	ww/o presence of nare  o  ies, with nonnative spp ative spp absent or virtually and often, but not always,
lora.	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant had absent, and high spp diversity.	ww/o presence of nare  o  ies, with nonnative spp ative spp absent or virtually and often, but not always,
lara.	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	high  Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant nabsent, and high spp diversity the presence of rare, threaten	ww/o presence of nare  o  ies, with nonnative spp ative spp absent or virtually and often, but not always,
lera.	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)  Moderale 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent < 5% cover (0)  Absent (1)  6d. Microtopography.		moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant nabsent, and high spp diversity the presence of rare, threaten	ww/o presence of nare  o  ies, with nonnative spp ative spp absent or virtually and often, but not always,
lora	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderale 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threaten ter Class Quality.	ww/o presence of rare  policy les, with nonnetive spp altive spp absent or virtually or and often, but not always, led, or endangered spp
ler-A	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderale 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.	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threaten ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.47)	ywko presence of rare  poles, with nonnative spp altive spp absent or virtually y and often, but not always, and, or endangered spp acres)
ler-	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderale 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threaten ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47)	ywko presence of rare  poles, with nonnative spp altive spp absent or virtually y and often, but not always, and, or endangered spp acres)
lora.	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threaten ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.47)	ywko presence of rare  poles, with nonnative spp altive spp absent or virtually y and often, but not always, and, or endangered spp acres)
ler.	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderale 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.81 High 4ha (9.88 acres) or more.	ywko presence of rare  policy les, with nonnative spp altive spp absent or virtually y and often, but not always, led, or endangered spp acres)
- Common -	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.47 High 4ha (9.88 acres) or more er Scale.	www.presence of rare person of the person of
- Corn	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal  0 1 2 3 Microtopography Cov	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.4 High 4ha (9.88 acres) or more er Scale.  Absent Present very small amounts or interest and interes	www.presence of rare person of the person of
- Common -	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal  0 1 2 3 Microtopography Cov	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 scres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.4 High 4ha (9.88 acres) or more er Scale.  Absent Present very small amounts or in of marginal quality.	ywko presence of rare be, with nonnative spp les, with nonnative spp altive spp absent or virtually r and often, but not always, led, or endangered spp acres) 88 acres)
-lera	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.4 High 4ha (9.88 acres) or more.  Absent Present very small amounts or of marginal quality.	ywko presence of rare be, with nonnative spp altive spp absent or virtually r and often, but not always, led, or endangered spp acres) B8 acres)
	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debris >15cm (6ir  I Standing dead >25cm (10in) dbh  Amphibian breeding poois	Mudflat and Open Wal  0 1 2 3 Microtopography Cov 0 1	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality  Absent <0.1ha (0.247 scres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.4 High 4ha (9.88 acres) or more er Scale  Absent Present very small amounts or of marginal quality Present in moderate amounts, the quality or in small amounts of	ywko presence of rare be, with nonnative spp les, with nonnative spp lative spp absent or virtually y and often, but not always, led, or endangered spp lacres) lacres) lacres) lift more common but not of highest highest quality
	6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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 (6ir 1)  Standing dead >25cm (10ir) dbh	Mudflat and Open Wal  0 1 2 3 Microtopography Cov	moderately high, but generally threatened or endangered spile. A predominance of native speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threater ter Class Quality.  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 Moderate 1 to <4ha (2.47 to 9.4 High 4ha (9.88 acres) or more.  Absent Present very small amounts or of marginal quality.	www.presence of rare  bes, with nonnative spp  altive spp absent or virtually  and often, but not always,  led, or endangered spp  acres)  acres)  acres)  firmore common  but not of highest highest quality

Refer to the most recent ORAM score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.ch.us/score401/491.html

Site:	fi) d	alekeld.	Rater(s):	mal		Date: 5- 1-07
	1	Metric 1. Wetlar	nd Area (si	ze).		·
max 6 pts.	SUPICIAL	Select one size class and assign s >50 acres (>20.2ha) (6 j 25 to <50 acres (10.1 to 10 to <25 acres (4 to <1) 3 to <10 acres (1.2 to <4 0.3 to <3 acres (0.12 to \$\times\$ 0.1 to <0.3 acres (0.04 to <0.1 acres (0.04ha) (0 p)	core. ols) <20.2ha) (5 pts) 0.1ha) (4 pts) ha) (3 pts) <1.2ha) (2pts) o <0.12ha) (1 pt)	ML-	125	
3	4	Metric 2. Upland	d buffers a	nd surro	unding land us	se.
máx 14 pts.	Sublotal	2a. Calculate average buffer width WDE. Buffers average MEDIUM. Buffers avera NARROW. Buffers avera VERY NARROW. Buffers 2b. Intensity of surrounding land u VERY LOW. 2nd growth LOW. Old field (>10 year	i. Select only one and : 50m (164ft) or more are ge 25m to <50m (62 to age 10m to <25m (32ft s average <10m (<32ft se. Select one or dout or older forest, prairie, rs), shrubland, young s Residential, fenced past	assign score. Do bund welland perint <164ft} around we to <82ft) around we around wetland   ble check and ave savannah, wildlife econd growth fore ure, park, conservers.	not double check. meter (7) sitland perimeter (4) welland perimeter (1) perimeter (0) rage. e area, etc. (7) est. (5)	
٠٦		Metric 3. Hydro	logy.			
max 30 pts.	subtotel	3a, Sources of Water. Score all the High pH groundwater (3)	fface water (3) flake or stream) (5) only one and assign so in) (2) ogic regime. Score one 12) Check all disturt ditch tile	3d. core. or double check vances observed	Connectivity. Score all that all 100 year floodplain (1) Between stream/lake and Part of wetland/upland (e) Part of riparian or upland Duration inundation/saturation Semilian to permanently inundated/satu Seasonally inundated (2) Seasonally saturated in user a seasonally saturated in user and average.  point source (nonstormw filling/grading mad bed/RR track dradging other stream of the stream of the seasonally inundated (2) seasonally saturated in user and average.	d other human use (1) a.g. forest), complex (1) l corridor (1) a. Score one or dbf check. andated/saturated (4) rated (3) apper 30cm (12in) (1)
1	14	Metric 4. Habita	t Alteration	and Dev	velopment.	
máx 26 pts.	subtotal	4a. Substrate disturbance. Score  None or none apparent ( Recovered (3) Recovering (2) Recent or no recovery (1  4b. Habitat development. Select of Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one of	4) ) only one and assign sco	re.		
3	\U	None or none apparent (in Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturb mowing grazing	ances observed liting is removal	shrub/sapling removal herbaceous/aquatic bed a sedimentation dredging farming nutrient enrichment	removal

		W Cill C 1		
ite:	Mid	dicticld-First Energy	Rater(s): ML	LB Date: 5/9/c
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	, ,			•
	subtotel this p	age T		ML 225
$\cap$	14	Motrie & Chasiel W	- Alamaia	MIL GOD
$\frac{\circ}{}$	<u> </u>	Metric 5. Special W		
x 10 pts.	subtotal	Check all that apply and score as indicated	i.	
		Bog (10) Fen (10)	•	•
		Old growth forest (10)	•	
		Mature forested wetland (5)		
		Lake Erie coastal/tributary wetlan	,	· ·
		Lake Erie coastat/tributary wetlan		9
		Lake Plain Sand Prairies (Oak Op	penings) (10)	
		Relict Wet Praires (10)  Known occurrence state/federal (	mannehne to benefeeth	d energies /10\
		Significant migratory songbird/wa	-	
		Category 1 Wetland. See Questi	, -	• •
abla	1 1/			
7	10		munities, in	terspersion, microtopography
; 20 pls.	subtotal	6a. Wetland Vegetation Communities.	Vegetation Commu	
		Score all present using 0 to 3 scale.  Aquatic bed	0 1	Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Emergent	1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
		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		part and is of high quality
		OtherOther	3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality
		Select only one.		vegeration and is or high quality
		High (5)	Narrative Descriptio	on of Vegetation Quality
		Madagas L. S. 10	low	Low spp diversity and/or predominance of nonnative or
		Moderately high(4)		
		Moderate (3)		disturbance tolerant native species
		Moderate (3)  Moderately low (2)	mod	Native spp are dominant component of the vegetation,
		Moderate (3) Moderately low (2) Low (1)	mod	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp
		Moderate (3)  Moderately low (2)	mod	Native spp are dominant component of the vegetation,
		Moderate (3) Moderately low (2) Low (1) None (0)	mod	Native spp are dominant component of the vegetation, aithough 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
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	mod	Native spp are dominant component of the vegetation, aithough 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  A predominance of native species, with nonnative spp
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)		Native spp are dominant component of the vegetation, aithough 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  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		Native spp are dominant component of the vegetation, aithough 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  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.
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)		Native spp are dominant component of the vegetation, aithough 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  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)		Native spp are dominant component of the vegetation, aithough 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.  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
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	high Mudflat and Open W 0	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  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  /ater Class Quality  Absent <0.1ha (0.247 acres)
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.	high  Mudflat and Open W  0 1	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  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  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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	Mudflat and Open W	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  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  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.	Mudflat and Open W	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  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  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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)	Mudflat and Open W	Native spp are dominant component of the vegetation, aithough 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.  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.  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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)  O Standing dead >25cm (10in) dbh	Mudflat and Open W  0 1 2 3  Microtopography Co	Native spp are dominant component of the vegetation, aithough 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.  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.  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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)  O Standing dead >25cm (10in) dbh	Mudflat and Open W  0 1 2 3 Microtopography Co	Native spp are dominant component of the vegetation, aithough 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  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  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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)  O Standing dead >25cm (10in) dbh	Mudflat and Open W  0 1 2 3 Microtopography Co 0	Native spp are dominant component of the vegetation, aithough 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.  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.  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  over Scale  Absent  Present very small amounts or if more common of marginal quality
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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)  O Standing dead >25cm (10in) dbh	Mudflat and Open W  0 1 2 3  Microtopography Co	Native spp are dominant component of the vegetation, aithough 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.  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.  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  over Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
معان	જ્યું <u>.</u>	Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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) Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools	Mudflat and Open W  0 1 2 3 Microtopography Co 0	Native spp are dominant component of the vegetation, aithough 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.  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.  /ater Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  over Scale  Absent  Present very small amounts or if more common of marginal quality

Site: N)	Rater(s): MB1	Date: 5-4-X
3 3	  Metric 1. Wetland Area (size).	
mex 6 pts. subtotal	Select one size class and assign score.	,
	>50 acres (>20.2ha) (6 pts)	
	26 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) MU - 23	<b>,</b>
	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)	•
5 8		** * .
7 0	]Metric 2. Upland buffers and sur	<del>-</del>
nax 14 pls. subtotal	<ol> <li>Calculate average buffer width. Select only one and assign score.</li> <li>WIDE. Buffers average 50m (164ft) or more around wetland</li> </ol>	
•	MEDIUM. Buffers average 25m to <50m (82 to <164fl) aroun	nd wetland perimeter (4)
	NARROW. Buffers average 10m to <25m (32ft to <82ft) are VERY NARROW. Buffers average <10m (<32ft) around wet	
	2b. Intensity of surrounding land use. Select one or double check and	•
	VERY LOW. 2nd growth or older forest, prairie, savannah, w	
	LOW. Old field (>10 years), shrubland, young second growth MODERATELY HIGH. Residential, fenced pasture, park, co	
<del></del>	HIGH. Urban, industrial, open pasture, row cropping, mining	
11 19	Metric 3. Hydrology.	
us 30 pts. subtotal	3a. Sources of Water. Score all that apply.	3b. Connectivity. Score all that apply.
	High pH groundwater (5)	100 year floodplain (1)
	Other groundwater (3)  Precipitation (1)	Between stream/lake and other human use (1) Part of wetland/upland (e.g. forest), complex (1)
	Seasonal/Intermittent surface water (3)	Part of riperian or upland corridor (1)
-	Perennial surface water (lake or stream) (5) 3c. Maximum water depth. Select only one and assign score.	3d. Duration inundation/saturation. Score one or dol check.  Semi- to permanently inundated/saturated (4)
	>0.7 (27.6in) (3)	Regularly inundated/saturated (3)
	0.4 to 0.7m (15.7 to 27.6in) (2)	Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1)
	3e. Modifications to natural hydrologic regime. Score one or double of	heck and average.
	None or none apparent (12) Check all disturbances obser Recovered (7) ditch	<del></del>
	Recovered (7) ditch	point source (nonstormwater)
	Recent or no recovery (1) dike	road bed/RR track
	weir stomwater input	other as a final decision
	1 sulfilmadi liput	
8 1	Metric 4. Habitat Alteration and [	Development.
tax 20 pts. subtotal	• • • • • • • • • • • • • • • • • • •	
	None or none apparent (4) Recovered (3)	
•		
	Recovering (2)	
	Recovering (2) Recent or no recovery (1)	
	Recovering (2)	
	Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8)	
	Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score.  Excellent (7)	
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4) Fair (3)	
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4)	
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4) Fair (3) Poor to fair (2)	:
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Check all disturbances observed.	
	Recovering (2) Recent or no recovery (1)  4b. Histriat development. Select only one and assign score.  Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovered (6)  Check all disturbances observed.	shrub/sapling removal
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovered (6) Recovered (6) Recovering (3) Recent or no recovery (1) Recovering chearcutting	shrub/sapling removal herbaceous/aquatic bed removal sedimentation
	Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (8) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovered (5) Recovering (3)  Check all disturbances observing grazing	shrub/sapling removal herbaceous/aquatic bed removal

Metric 5. Special Wetlands.  One of present a payer  Metric 5. Special Wetlands.  One of present of post of po	Site:	midd	le fire		Rater(s): ML	LR	Date: 5 9 07
Check, 8 If that apply and soore as indicated.  Sep (19) Fen (10) Out growth forest (10) Matters forested welland (5) Lake Eric conselativitisary welland-unrestricted hydrology (10) Lake Eric conselativitisary welland-unrestricted hydrology (10) Lake Eric conselativitisary welland-restricted hydrology (10) Lake Plain Sand Praints (Oak Openings) (10) Resid Well Praints (10) Resid Well Pra		27 sublotal tris pa	ige T	MC-326	,		
Check, all that sopily and soore as indicated.  Sep (19) Fen (10) Out growth forest (10) Matures forested welland (5) Lake Eric consessivituatery welland-envestricted hydrology (10) Lake Eric consessivituatery welland-restricted hydrology (10) Lake Plain Sand Priaries (Oak Openings) (10) Real (Wel Praines ) Real (Wel Praines ) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for whether the state of endingered species (10) Segnificant migratory completivater for the state of endingered species (10) Segnificant part to 3 scale Acquatic bact Appeared to 3 scale Appeared to 3 scale Appeared to 3 scale Appeared to 3 scale Appeared to 4 scale of endingered species (10) Forest Department and either comprises small part of welland's vegetation and is of middle of low quality Core of the quality Department and either comprises springiant part or welland's vegetation and is of middle of low quality Core of the quality Department of the vegetation of the vegetatio	0	12	Met	ric 5. Special W	/etlands.		
Fan (10) Od growth forcest (10) Meture forested welland (5) Lake Eric consativitious y welland-restricted hydrology (10) Lake Eric consativitious y welland-restricted hydrology (10) Lake Eric consativitious y welland-restricted hydrology (10) Red Visit Pains Send Prains (Dak Openings) (10) Red Visit Pains (10) Red Community (10) Red Visit Pains (10) Red Visit Pains (10) Red Visit Pains (10) Red Visit Pains (10) Red Community (10) Red Co	max 10 pts.	subtotal		•			
Metric 6. Plant communities, interspersion, microtopography.  Salvael  Salv				Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetlandse Erie coastal/tributary wetlake Plain Sand Prairies (Oek (1)) Relict Wet Praires (10) Known occurrence state/federa	and-unrestricted hydrology (1 and-restricted hydrology (5) Openings) (10) I threatened or endangered s	pecies (10)	
Salvettend Vegetation Communities.  Soore all present using 0 to 3 scale.  Aquatic beat  I Emergent Shrub Forest Open water Open water Other Select only one. High (5) Moderately high(4) Moderately high(4) Moderately high (2) None (0) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduce points for coverage Ecterative > 75% cover (-1) Moderately > 75% cover (-1) Moderately S-75% cover (-1) Moderately Spanse 5-25% cover (-1) Moderately C-75% cover (-1) Moderately S-75% cover (-1) Moderately C-75% cover (-1) Moderately D-75% cover (-1) Moderately S-75% cover (-1) Moderately Mod			_ [	Category 1 Wetland. See Quee	stion 1 Qualitative Rating (-10	)	
Score all present using 0 to 3 scale.  Aquatic bed Aquatic bed Aquatic bed Aquatic bed Present and either comprises small part of wettand's vegetation as of moderate quality. or comprises a significant part but its of low quality. Forest Audites Open water Open water Open water Open water Open water Appendix of the part and is of moderate quality or comprises a small part and is of moderate quality or comprises a small part and is of moderate quality or comprises a small part and is of moderate quality or comprises a small part and is of high quality.  Absent (1) Absent of Vegetation Quality  Name (2)  Name (3)  Name (4)  Name (5)  Name (7)  Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for fist. Add or deduct points for coverage Extensive >75% cover (-1) Nearly absent <5% cover (-1) Nearly absent <5% cover (-1) Nearly absent <5% cover (-1) Sparse 5-25% cover (-1) Nearly absent <5% cover (-1) Standing dead >256m (10n) dbh C Amphibian breeding pools  Appendix of the first of the presence of plants and produce the pools  Microtopography.  Appendix of the cover of the presence of plants and one of moderate amounts of highest quality or in or fightest quality or in or man and a comprises significant part of wetland's vegetation and is of moderate and is of moderate and is of moderate and is of moderate and in the quality or in or highest quality or in the comprises as disputing or or highest quality or in the comprises as figured to a significant part of wetland's vegetation of the depart of the vegetation of the presence of rene, the order of the vegetation quality or in orderate and in the sequence of rene, the vegetation and is of moderate and in the sequence of rene, the comprises against and of the presence of rene, the comprise  page of the comprised page of the comprised page of the comprised pa	5	32				- ·	otopography.
Aquatic bed  / Emergeri  / Shrub  Forest  Mudflat and Open Water  to Table  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  Select only one.    High (5)   Moderately high(4)   Narrative Description of Vegetation and is of high quality    Moderately high(4)   Narrative Description of Vegetation Quality   None (0)   Narrative Description of Vegetation Quality   None (1)   None (2)   Narrative Description of Vegetation Quality   None (1)   None (2)   Narrative Description of Vegetation Quality   None (3)   Narrative Description of Vegetation Quality   None (4)   Native spp are dominant component of the vegetation, afthough noneable and/or predominance of monnative or disturbance tolerant native spocies   Narrative Description of Vegetation Quality   None (2)   Narrative Description of Vegetation Quality   None (3)   Narrative Description of Vegetation Quality   None (4)   Native spp are dominant component of the vegetation, afthough noneable and/or predominance of monnative or disturbance tolerant native spocies   Narrative Description of Vegetation Quality   Narrative Description of Vegetation Quality of high quality or or more vegetation and is of high quality or or more vegetation and is of monerate quality or or more vegetation and is of monerate quality or or disturbance tolerant native spocies disturbance tolerant native spocies, with normative spocies or native species, with normative spocies, with normative spocies or native species, with normative spocies or native spocies, with normative spocies or native spocies,	max 20 pts.	SUBTORN		•			471 acres) contiguous area
Shrub   Significant part but is of low quality				1 ·		<u> </u>	
Forest  Mudflets  Open water  Other  Other  Bb. horizontal (plan view) Interspersion.  Select only one.  High (5)  Moderately high(4)  Moderately (3)  Moderately low (2)  Low (1)  None (0)  Gc. Coverage of invasive plants. Refer to Table 1 ORAMi king form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 255-75% cover (-5)  Moderate 255-75% cover (-1)  Nearly absent <5% cover (-1)  Mosely abs				Emergent		vegetation and is of moderate	quality, or comprises a
Mudfats   Depen water   Other   Oth			1	Shrub		significant part but is of low qua	ality
Open water Other O			1		2	· · ·	•
Select only one.    High (5)						I -	quality or comprises a small
8b. horizontal (plan view) Interspersion.  Select only one.  High (5) Moderately high(4) Moderate (3) Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1) Nearly absent <5% cover (0) Absent (1)  Absent (1)  Score all present using 0 to 3 scale.  Vegetated hummucks/ussucks Carse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Narrative Description of Vegetation Quality  Narrative Description of Vegetation Quality  Low up diversity and/or predominance of nonnative or disturbance tolerant native species and isotropage and monative and/or disturbance tolerant native species with nonnative species of rare threatened or endangered spp  Mudflat and Open Water Class Quality  Mudflat and Open Water Class Quality  Mudflat and Open Water Class Quality  Absent (1)  Mudflat and Open Water Class Quality  Microtopography Cover Scale  Vegetated hummucks/ussucks Carse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of merginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality or in small a			-			<del></del>	d d or many of worth and b
Select only one.  High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-3)  Sparse 5-25% cover (-1)  Macerate 25-75% cover (-1)  Macerate 25-75% cover (-1)  Moderate 25-7			Ab boris		3	· ·	•
High (5) Moderately high(4) Moderately high(4) Moderately (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-5) 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/fussucks Coarse woody debris >15cm (6ln) Slanding dead >25cm (10in) dbh C) Amphibitan breeding pools  Microtopography Cover Scale  0 Absent 1 Present very small amounts of lighest quality Present in moderate amounts, but not of highest quality or in small amounts of lighest quality					<del></del>	T vegetation and is or riight quality	<u></u>
Moderately high(4)   Noderate (3)   Moderate (3)				1	Narrative Description	of Vegetation Quality	
Moderately tow (2) Low (1) None (0) Sc. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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.  Wegetated hummucks/fussucks Coarse woody debris >15cm (6In) O Standing dead >25cm (10in) dbh Chambibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts of highest quality  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  1 Present very small amounts of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Present in moderate amounts, but not of highest quality  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp  moderately high, but generallywive presence of rare  threatened or endangered spp  Appendix present containing of native species, with nonnative spp  and/or disturbance tolerant, native spp  and/or disturbance tolerant, and species diversity moderate to the species of rare  threatened or endangered spp  Appendix present, and species diversity moderate to moderate to endangered spp  Appendix present and present of native species, with nonnative spp  and/or disturbance tolerant, and refer threatened or endangered spp  Appendix present of native species, with nonnative spp  and/or disturbance tolerant native spp  and/or disturbance of native species, with nonnative spp  and/or disturbance tolerant appendix spp  and/or disturbance tolerant native spp					low	Low spp diversity and/or predom	inence of nonnative or
Low (1) None (0) 8c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  or deduct points for coverage  Extensive >75% cover (-5) 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/fussucks  Coarse woody debris >15cm (6in) O Standing dead >25cm (10in) dbh C) Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present in moderate amounts, but not of highest quality or in small amounts of highest quality				Moderate (3)		disturbance tolerant native spe	cies
None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage thigh and/or disturbance of native species, with nonnative species, with nonnat				f ' '	mod		•
6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add critically high, but generallyw/o presence of rare threatened or endangered spp  Extensive >75% cover (-5)  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.  Wegetated hummucks/tussucks  Coarse woody debris >15cm (6ln)  O Standing dead >25cm (10in) dbh  C) Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts of highest quality  Present in moderate in high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and offen, but not always, the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  0 Absent <0, the (0,247 acres)  Low 0.1 to <1ha (0,247 to 2.47 acres)  High 4ha (9.88 acres) or more  Microtopography Cover Scale  1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality			<u> </u>	1			
to Table 1 ORAM long form for list. Add  or deduct points for coverage  Extensive >75% cover (-5)  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  Children and the present was a cover (10in) dbh  Children and the present was a cover (10in) dbh  Microtopography Cover Scale  Microtopography Cover Scale  Amphibian breeding pools  thigh  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and offen, but not always, the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  0 Absent <0.1he (0.247 acres)  Low 0.1 to <1he (0.247 to 2.47 acres)  High 4ha (9.88 acres) or more  Microtopography Cover Scale  1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality			- L			1	
or deduct points for coverage  Extensive >75% cover (-5)  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  Chi Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  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  Mudflat and Open Water Class Quality  0 Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 acres)  Wegetated hummucks/tussucks  2 Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Microtopography Cover Scale  Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality				•		_	wo presence or rare
Extensive >75% cover (-5)  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 (6ln)  Standing dead >25cm (10in) dbh  C)  Amphibian breeding pools  Extensive >75% cover (-5)  and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and offen, but not always, the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  0 Absent <0.1he (0.247 acres)  Low 0.1 to <1he (0.247 to 2.47 acres)  Vegetated hummucks/tussucks  2 Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Microtopography Cover Scale  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality				•	high		s, with nonnative spo
Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) Mudflat and Open Water Class Quality  6d. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality					, <b>g</b>	· '	* *
Nearly absent <5% cover (0)  Absent (1)  Mudflat and Open Water Class Quality  6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality				Moderate 25-75% cover (-3)	•	absent, and high spp diversity	and often, but not always,
Absent (1)  Mudflat and Open Water Class Quality  O Absent <0.1he (0.247 acres)  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality				Sparse 5-25% cover (-1)		the presence of rare, threatene	d, or endangered spp
6d. Microtopography.  Score all present using 0 to 3 scale.  Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality				Nearly absent <5% cover (0)			
Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality			≥يا .	, ,			<del></del>
Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian breeding pools  Microtopography Cover Scale    Microtopography Cover Scale							
Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh Champhibian 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 quality			778	, *			<del></del>
Standing dead >25cm (10in) dbh  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 quality or in small amounts of highest quality							1 ac(65)
Amphibian breeding pools    Microtopography Cover Scale			6	•		Trigit 41ta (0.00 del 03) de mara	<del>The ball to the t</del>
0 Absent 1 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						er Scale	
of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality				• •			
2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality					1	Present very small amounts or if	more common
quality or in small amounts of highest quality							
					2		<del>.</del> .
37 GRAND TOTAL(max 100 pts)	$\sim$	• -	~}+		2		
3み GRAND TOTAL(max 100 pts)	Cas	بحوس	سلا ز	-	J		1 1 10 10 10 10 10 10 10 10 10 10 10 10
	32	GRANI	D TOTA	AL(max 100 pts)			

BRAM v 5.0 Field Fo	orm Quantitative Rating			pr-w063
	dleheld	Rater(s): Mg/		Date: 5-9-07
3 3	7	and Area (size).	-	
max 6 pts. subtrotal	Select one size class and assi  >50 acres (>20.2ha)  25 to <50 acres (10.  10 to <25 acres (4 to  3 to <10 acres (1.2 to  0.3 to <3 acres (0.12 to  0.1 to <0.3 acres (0.12 to  <0.1 acres (0.04ha)	o <10.1ha) (4 pts) o <4ha) (3 pts) t to <1,2ha) (2pts) 04 to <0.12ha) (1 pt)	-1007	
9 12	7	nd buffers and s	urrounding la	nd use.
max 14 pis. subiodal	WIDE. Buffers aver.  MEDIUM. Buffers a  NARROW. Buffers.  VERY NARROW. B  2b. Intensity of surrounding la  VERY LOW. 2nd gr	width. Select only one and assign s age 50m (164ft) or more around we verage 25m to <50m (82 to <164ft) average 10m to <25m (32ft to <82ft uffers average <10m (<32ft) around nd use. Select one or double checo owth or older forest, prairie, savann	Atland perimeter (7) around wetland perimeter (4) (t) around wetland perimeter (1) d wetland perimeter (0) ck and average. nah, wildlife area, etc. (7)	
	MODERATELY HIG	years), shrubland, (oung second of H. Residential, fenced pasture, pa trial, open pasture, row cropping, n	IR, conservation tillage, new tal	low field. (3)
max 30 pts. subtotal	3c, Maximum water depth. Si >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to <0.4m (<15.7in) (1)	all that apply.  If (5)  It surface water (3)  aler (lake or stream) (5)  alect only one and assign score.  27.6in) (2)  Indrologic regime. Score one or dougent (12)  Check all disturbances of dischulie	Part of wetland Part of riparian 3d. Duration inundation Sami- to perma Regularly inundation Seasonally inundation Seasonally satiple check and average	olain (1) m/lake and other human use (1) l/upland (e.g. forest), complex (1) or upland comidor (1) l/saturation. Score one or dbl check. senently inundated/saturated (4) dated/saturated (3) ndated (2) urated in upper 30cm (12in) (1)
mex 20 pts. subtotel	<del></del>	ry (1)	•	<b>t.</b>
	Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat afteration. Score (	one or double check and average.		
43	None or none appar Recovered (6) Recovering (3) Recent or no recove	mowing grazing	shrub/sapling r herbaceaus/aq sedimentation dredging	uatic bed removal

DRAM v.	5.0	Field	Form	Quantitative	Ratina
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Site:	midd	lefind - First Energy	Rater(s): M.L.	LR Date: 5/9107
-	11/3			
	subtotal this pa	ML-Ja7		
G	43	Metric 5. Special W	etlands.	
10 pts.	subtotal	Check all that apply and score as indicated	l.	
		Bog (10)		
		Fen (10)		
		Old growth forest (10)  Mature forested wetland (5)		
		Lake Erie coastal/tribulary wetlar	vd.unrestricted hydrology (1	in)
		Lake Erie coastal/tributary wetlar		,
		Lake Plain Sand Prairies (Oak O		
		Relict Wet Praires (10)	, •, •	
		Known occurrence state/federal (	threatened or endangered :	species (10)
		Significant migratory songbird/wa	ater fowl habitat or usage (1	0)
		Category 1 Welland, See Questi	ion 1 Qualitative Rating (-1	0)
a	51		*** * 4	
1	ינ	iMetric 6. Plant com	munities, int	erspersion, microtopography
ax 20 pls.	stabilotal	6a. Wetland Vegetation Communities.	Vegetation Communi	ty Cover Scale
		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
		Emergent		vegetation and is of moderate quality, or comprises a
		Shrub		significant part but is of low quality
		y Forest Mudflats	5	Present and either comprises significant part of wetland's
		Open water		vegetation and is of moderate quality or comprises a small part and is of high quality
•		Other	3	Present and comprises significant part, or more, of wetland's
		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	
			10,44	Low spp diversity and/or predominance of nonnative or
		Moderate (3)		Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	a.		med	· · ·
		Moderate (3)  Moderately low (2)  Low (1)		disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp
		Moderate (3)  Moderately low (2)  Low (1)  None (0)		disturbance tolerant native species  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
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer		ofisturbance tolerant native species  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
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	mod	disturbance tolerant native species  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
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage		disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		Moderate (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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,
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  5c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.	mod high  Mudflat and Open Wa	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native app can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp  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
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	high  Mudflat and Open Wa  0 1 2	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	high  Mudflat and Open Wa  0  1  2  3	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
		Moderate (3)  Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	high  Mudflat and Open Wa  0 1 2 3	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	high  Mudflat and Open Wa  0 1 2 3  Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Moderate (3)  Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  er Scale  Absent
		Moderate (3)  Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Present very small amounts or if more common of marginal quality
		Moderate (3)  Moderately low (2)  Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	high  Mudflat and Open Wa  0 1 2 3  Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
٠	any ?	Moderate (3)  Moderately low (2)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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  Amphibian breeding pools	Mudflat and Open Wa  0 1 2 3 Microtopography Cov	disturbance tolerant native species  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  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  ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  Present very small amounts or if more common of marginal quality

	MP 14	ethold - First Energy	Rater(s): mg/	Dat	e: 5-4-17
3	3 N	netric 1. Wetland	Area (size).		•
тых 6 різ.		electione 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 <10.1 ha  3 to <10 acres (1.2 to <4ha) (0.3 to <3.3 acres (0.12 to <1.2)  0.1 to <0.3 acres (0.04 to <0.  <0.1 acres (0.04ha) (0 pts)		<b>18</b>	
8	1)	Metric 2. Upland b	ouffers and surro	unding land use.	
M8X 14 pts.		WIDE. Buffers average 50m MEDIUM. Buffers average 2 NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth or LOW. Old field (>10 years), MODERATELY HIGH. Resident	elect only one and assign score. Do (164ft) or more around wetland perion to <50m (82 to <164ft) around with the to <50m (82 to <82ft) around with the to <25m (32ft to <82ft) around wetland (select one or double check and average <10m (52ft) around wetland (select one or double check and average to the torest, prairie, savennab, wildliff shrubland young second growth fore dential, fenced pasture, park, consent pasture, row cropping, mining, con	meter (7) etland perimeter (4) wetland perimeter (1) perimeter (0) erage. e area, etc. (7) evition tillage new fallow held. (3)	
13	N PG	Metric 3. Hydrolog			
max 30 pts.	subtotal 3a	I. Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (take: Maximum water depth. Select only	pply. 3b.  e water (3) e or stream) (5) 3d.	Connectivity. Score all that apply. 100 year floodplain (1) Between streamflake and othe Part of wetland/upland (e.g. fo Part of riparian or upland corri- Duration inundation/saturation. Sco	rest), complex (1) dor (1) ore one or dot check.
	20	>0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (3) <0.4m (<15.7in) (1)	regime. Score one or double check	Regularly inundated/saturated Seasonally inundated (2) Seasonally saturated in upper	
,	30	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 (nonstormwater) filling/grading road bed/RR track dredging	
10.5 3	415 N	Metric 4. Habitat /	Alteration and De	velopment.	
max 20 pts.		None or none apparent (4) Recovered (3) Recovering (2) Recover no recovery (1)		•	
		Habitat development. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)	-	<b>V</b>	
	40	Habital alteration. Score one or do None or none apparent (9)	Check all disturbances observed		
		Recovered (6)	mowing	shrub/sapling removal	ll l

ORAM v.	5.0	Field	Form	Quant	litative	Rating
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te: M	iddlefield	Rater(s): ML, LB	Date: 5/9/0)
<u> </u>			
3	4.5 ML- 228		
subiotal t	······································		
Sublotair	nns page		
ղ   Հւ	5 Metric 5. Spe	cial Watlande	•
<u> </u>			
10 pts. sobi		as indicated.	
	Bog (10) Fen (10)		
	Old growth forest (	0)	
	Mature forested we	•	
	Lake Erie coastal/tr	butary wetland-unrestricted hydrology (10)	
	Leke Erie coaștal/tr	butary wetland-restricted hydrology (5)	
	<del></del>	airies (Oak Openings) (10)	
	Relict Wet Praires	•	
		state/federal threatened or endangered species (10)	
	<del></del>	y songbird/water fowl habitat or usage (10)  . See Question 1 Qualitative Rating (-10)	
		. See Question : Quantouve Raining (*10)	
\	5 Metric 6. Plan	it communities, interspersi	ion microtopography
20 pts. subii		- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
zo pis. Jubii	Score all present using 0 to 3		prises <0.1ha (0.2471 acres) contiguous area
	Aquatic bed		ther comprises small part of wetland's
	Emergent	vegetation as	nd is of moderate quality, or comprises a
	Shrub	significant pe	ert but is of low quality
	Forest	2 Present and ei	ther comprises significant part of welland's
	Mudflats	, i -	nd is of moderate quality or comprises a small
	Open water	part and is of	
	Other 6b horizontal (plan view) into		emprises significant part, or more, of wetland's
	Select only one.	15per5ion	nd is of high quality
	High (5)	Narrative Description of Vegetation Q	tuality
	Moderately high(4)		ity and/or predominance of nonnative or
	Moderate (3)		olerant native species
	Moderately low (2)	mod Native spp are	dominant component of the vegetation,
	Low (1)		native and/or disturbance tolerant native spp
·	None (0)		present, and species diversity moderate to
	6c. Coverage of invasive plan		igh, but generallyw/o presence of rare
	to Table 1 ORAM long form for or deduct points for coverage		r endangered spp
	Extensive >75% co		to of native species, with nonnative spp pence tolerant native spp absent or virtually
	Modernto 25 76% o		nigh spp diversity and often, but not always,
times,	Sparse 5-25% cove	(-1) the presence	of rare, threatened, of endangered spp
1 20	Nearly absent <5%	cover (0)	
ት" <b>"</b> "	Absent (1)	Mudflat and Open Water Class Qualit	
	6d. Microtopography.	0 Absent <0.1ha	
	Score all present using 0 to 3		a (0.247 to 2.47 acres)
	Vegetated hummuc ) Coarse woody debr		<4ha (2.47 to 9.88 acres)
	Standing dead >25	· /	acies) or more
	Amphibian breeding		
		0 Absent	_
			mail amounts or if more common
		of marginal q	uality
			lerate amounts, but not of highest
		i miality or in s	mall amounts of highest quality
<b>^</b> -			Avata as assaulas
Cate	gory II		erate or greater amounts

ORAM v. 5.0 Field Form Quantitative Rating

Site:	R	TW 502 Rater(s): Reparky-Thomas Date: 7-17-07
2	2	Metric 1. Wetland Area (size).
there of hit?	subtetal	Selectione 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 tha) (4 pts) 3 to <10 acres (1 2 to <4ha) (3 pts)
	7	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)
1.1	13	Metric 2. Upland buffers and surrounding land use.
más 14 prs	sublotal	2a Calculate average buffer width Select only one and assign score. Do not double check  WIDE Buffers average 50m (154ft) or more around wetland perimeter (7)  MEDIUM Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
		NARROW Buffers average 10m to <25m (32ft to <62ft) around wetland perimeter (1)  VERY NARROW Buffers average <10m (<32ft) around wetland perimeter (0)
		2b Intensity of surrounding land use. Select one or doubte check and average.  VERY LOW. 2nd growth or older lorest, prairie, savannah, wildlife area, etc. (7)
		LOW Old field (>10 years), shrubland, young second growth forest (5)  MODERATELY HIGH Residential, fenced pasture, park, conservation tillage, new fallow field (3)
F		HIGH Urban, industrial, open pasture, row cropping, mining, construction. (1)
22	35	Metric 3. Hydrology.
nia i 30 prs	Subtotal	3a Sources of Water Score all that apply  High pH groundwater (5)  Sources of Water Score all that apply  100 year floodplain (1)
		Other groundwater (3)  Precipitation (,1)  Between stream/lake and other human use (1)  Part of wetland/upland (e.g. forest), complex (1)
		Seasonal/intermittent surface water (3)  Part of riparian or upland corridor (1)
_		Perennial surface water (lake or stream) (5) 3d Duration inundation/saturation Score one or dbl check 3d Maximum water depth Select only one and assign score Semi- to permanently inundated/saturated (4)
		>0 7 (27 6in) (3) Regularly inundated/saturated (3)  ( 0 4 to 0 7m (15 7 to 27 6in) (2) & Seasonally inundated (2)
		<0.4m (<15.7in) (1) Seasonally saturated in upper 30cm (12in) (1)
		3e Modifications to natural hydrologic regime. Score one or double check and average.  None or none apparent (12) Check all disturbances observed
		Recovered (7)   ditch   point source (nonstormwater)
		T Recovering (3) tile filting/grading Recent or no recovery (1) dike road bed/RR track
		weir dredging stormwater input other
	1/-	
[7		Metric 4. Habitat Alteration and Development.
max 20 pis	subtotal	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)
		Very good (6) Good (5)
		Moderately good (4)
		Fair (3) Poor to tair (2)
		Poor (1) 4c. Habitat alteration. Score one or double check and average.
		None or none apparent (9) Check all disturbances observed
		Recovered (6) mowing shrub/sapling removal Recovering (3) grazing herbaceous/aquatic bed removal
1	<u> </u>	Recent or no recovery (1)
	52	woody debris removal larming
,	ubiolal this pag	toxic pollutantsnutrient enrichment

Site:		R1W 502	Rater(s): Reco	ky = 44 smayer	Date: 2-17-0
	572 Subtotal this pa		0	U .	
0	与	  Metric 5. Special W	/etlands.		
max 10 pts	SubTotal	Check all that apply and score as indicate Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetla	and-unrestricted hydrology		
		Lake Erie coastal/tributary wette Lake Plain Sand Prairies (Oak ( Relict Wet Prairies (10) Known occurrence state/federal Significant migratory songbird/w Category 1 Wetland. See Ques	Openings) (10) threatened or endangered vater fowl habitat or usage	d species (10) (10)	
7	59	Metric 6. Plant com	munities, in	terspersion, micr	otopography.
max 20 pts	Subtotal	6a Wetland Vegetation Communities	Vegetation Commun	nity Cover Scale	
		Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.2	471 acres) contiguous area
		Aquatic bed	1	Present and either comprises sn	hall part of wetland's
		Emergent		yegetation and is of moderate	quality, or comprises a
		5 Shrub		significant part but is of low qu	ality
		Forest	Ż	Present and either comprises sig	inficant part of wetland's
		Mudflais		vegetation and is of moderate	quality or comprises a small
		② Open water		part and is of high quality	
		Other	3	Present and comprises significar	al part, or more, of wetland's
		6b horizontal (plan view) Interspersion		vegetation and is of high qualit	<u>y                                    </u>
		Select only one			
		High (5)	Narrative Description	n of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predom	inance of nonnative or
		Moderate (3)		disturbance tolerant native spe	cies
		Moderately low (2)	mod	Native spp are dominant compor	•
		, Low (1)		although nonnative and/or distr	urbance tolerant native spp
		Mone (0)		can also be present, and speci	es diversity moderate to
		6c. Coverage of invasive plants. Refer		moderately high, but generally	v/o presence of rare
		to Table 1 ORAM long form for list. Add		threatened or endangered spp	
		or deduct points for coverage	high	A predominance of native specie	
		Extensive >75% cover (-5)		and/or disturbance tolerant nat	•
		Moderate 25-75% cover (-3)		absent, and high spp diversity	
		-1 XO Sparse 5-25% cover (-1)		the presence of rare, threatene	d, or endangered spp
		Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open Wa		<del></del>
		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 2.47 a	
		Vegetaled hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.86	s acres)
		Coarse woody debris >15cm (6ii		High 4ha (9.88 acres) or more	<u></u>
		Standing dead >25cm (10in) dbl		_	
		Amphibian breeding pools	Microtopography Co		
			0	Absent	
			1 ,	Present very small amounts or if	more common
	٠			of marginal quality	
CAT	11		2	Present in moderate amounts, bu	
~-	_			quality or in small amounts of h	
			3	Present in moderate or greater as	nounts
	1			and of highest quality	
مر					

ORAM v 5 0 Field F	orm Quantitative Rating			Pr-w066
Site:	PT WSOI	Rater(s): ?	MASKY-Thumays	Date: オー1テー0ラ
2 2	Metric 1. Wetlar	nd Area (size)	·	,
mai iš pils — sublotak	Select one size class and assign s	core (ks) <20 2ha) (5 pis) 0 1ha) (4 pis) ha) (3 pis) <1 2ha) (2pis) o <0 12ha) (1 pi)	•	
5 7	Metric 2. Upland	d buffers and	surrounding lan	d use.
rna+ 14 pts subtoral	MEDIUM Buffers avera  NARROW Buffers avera  VERY NARROW Buffer  Intensity of surrounding land u  VERY LOW 2nd growth  LOW Old field (>10 year  MODERATELY HIGH F	50m (164ft) or more around ge 25m to <50m (82 to <16/ age 10m to <25m (32ft to < is average <10m (<32ft) aro se Select one or double of tor older forest, prairie, sav- irs), shrubland, young secor	wetland perimeter (7) 4(t) around wetland perimeter (4) 82(t) around wetland perimeter (1) und wetland perimeter (0) heck and average annah, wildlife area, etc. (7) id growth forest. (5) park, conservation tillage, new fallor	v held (3)
14 21	Metric 3. Hydrol	ogy.		
mak 35 gra — subyotal	3a Sources of Water Score all It High pht groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/intermitent sur 3c Maximum water depth Select 20 7 (27 6in) (3) 0 4 to 0 7m (15 7 to 27 6 2 <0 4m (<15 7in) (1) 3e Modifications to natural hydrol Recovered (7) Recovering (3) Recent or no recovery (1)	flace water (3) (lake or stream) (5) only one and assign score in) (2) ongic regime. Score one or of the control of the contro	Part of wetland/u Part of riparian of ripa	lake and other human use (1) pland (e.g. forest), complex (1) rupland corridor (1) situration. Score one or dbl check ently inundated/saturated (4) ted/saturated (3) ated (2) ated in upper 30cm (12in) (1)
	Z X Recent or no recovery (1	weir	road bed/RR trac	*
	<b></b> ]	stormwater inpu	itother	
Trax 20 pts subjoind	Metric 4. Habita  4a. Substrate disturbance. Score		nd Development.	
umu ca haa 300iQigi	None or none apparent ( Recovered (3) Recovering (2) Recent or no recovery (1  Babilist development. Select of Excellent (7) Very good (6) Good (5) Moderately good (4)  Fair (3)	i)		
	Poor to fair (2) Poor (1)			
30	Ac. Habitat alteration. Score one of Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbance mowing grazing	shrub/sapling rem herbacecus/squa sedimentation dredging	tic bed removal

Site:			Rater(s):	Rosky	- Thomays Da	te: 2-17-07
3 (					<i>y</i> ,,	
0 3	M	etric 5. Special W	/etlands.			
mac IO pis Subid		ck all that apply and score as indicate Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetla Lake Plain Sand Prairies (Oak I Relict Wat Praires (10) Known occurrence state/federa Significant migratory songbird/v Category 1 Wetland. See Ques	and-unrestricted hy and-restricted hydro Openings) (10) I threatened or end water fowl habitat or	ology (5) angered species (10) r usage (10)		
3 3 5		etric 6. Plant com		· -		pography.
max 20 pts subto		Wetland Vegetation Communities		ommunity Cover Sca		
	300	e all present using 0 to 3 scale Aquatic bed	0		comprises <0 1ha (0.2471 ac d either comprises small par	
		Emergent	•		or and is of moderate quality	
		2. Shrub		1 -	nt part but is of low quality	er comparaca a
		1 Forest			d either comprises significan	t part of wetland's
		Mudfials	_		n and is of moderate quality	
		Open water		1 -	is of high quality	
		Other	3		d comprises significant part.	or more, of wetland's
	6to	horizontal (plan view) Interspersion			n and is of high quality	
		et only one	<del></del>	خنت المسام		
		High (5)	Narrative Des	scription of Vegetatio	in Quality	
		Moderately high(4)	low		versity and/or predominance	of nonnative or
		Moderate (3)			ce tolerant native species	
		X Moderately low (2)	mod		are dominant component of	the vegetation.
		Low (1)		1	nonnative and/or disturbance	<del>-</del>
		None (0)		1 *	be present, and species dive	• • • • • • • • • • • • • • • • • • • •
	6¢	Coverage of invasive plants. Refer		1	ly high, but generallyw/o pre	
		able 1 ORAM long form for list. Add		ľ	d or endangered spp	
	or de	educt points for coverage	high	A predomin	ance of native species, with	nonnative spp
		Extensive >75% cover (-5)	-	1 '	sturbance tolerant native spp	• •
		Moderate 25-75% cover (-3)			nd high sop diversity and off	-
		★ Sparse 5-25% cover (-1)		the prese	nce of rare, threatened, or e	ndangered spp
		Nearly absent <5% cover (0)				
		Absent (1)	Mudflat and 0	Dpen Water Class Qu	ality	
	6d.	Microlopography	0		1ha (0.247 acres)	
	Scor	e all present using 0 to 3 scale.	1		<1ha (0.247 to 2.47 acres)	House man
		Vegetated hummucks/lussucks	2		1 to <4ha (2.47 to 9.88 acres	)
	,	Coarse woody debris >15cm (6i	n) 3		.88 acres) or more	
	į	Standing dead >25cm (10in) dbi				
		Amphibian breeding pools	Microtopogra	phy Cover Scale		
		<del></del>	0	Absent		
			1		y small amounts or if more o	ommon
				of margin	al quality	
1			2		noderate amounts, but not o	f highest
11					in small amounts of highest	-
~			3		moderate or greater amounts	
				i i	hest quality	
· — —						

ORAM v. 5.0 Field Form Quantitative Rating

Site:		CTW-503 Rater(s): Report - Thompson Date: 7-17-07
3	3	Metric 1. Wetland Area (size).
DIAL & PIS	subtotal	Selectione 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)  x 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)
14	17	Metric 2. Upland buffers and surrounding land use.
otac 14 prs	sublotat	2a Calculate average buffer width. Select only one and assign score. Do not double check  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7)  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)  Intensity of surrounding land use. Select one or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildliffe area, etc. (7)  LOW Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HiGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
12	14	Metric 3. Hydrology.
ma. 30 prs	subiotal	3a Sources of Water Score all that apply  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennal surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  >0 7 (27 6in) (3)  0 4 to 0 7m (15 7 to 27 6in) (2)  < 0 4m (<15 7m) (1)  Modifications to natural hydrologic regime. Score one or double check and average.  Score all that apply  100 year floodplain (1)  Part of wetland/upland (e.g. forest), complex.(1)  Part of wetland/upland (e.g. forest), complex.(1)  Part of nparian or upland comidor (1)  Duration inundation/saluration. Score one or dbt check  Semi- to permanently inundated/saturated (4)  Regularly inundated (2)  Seasonally saturated in upper 30cm (12in) (1)  3e Modifications to natural hydrologic regime. Score one or double check and average.
,		None or none apparent (12)  Recovered (7)  Recovering (3) title filting/grading road bed/RR track  wair stormwater input other
1 11	45	Metric 4. Habitat Alteration and Development.
max 20 pts	subiotal	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)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  Habitat alteration. Score one or double check and average.
luce	~(5	None or none apparent (9) Recovered (6) Recovering (3)' Recent or no recovery (1) Recent or no recovery (1)  Check all disturbances observed  mowing grazing herbaceous/aquatic bed removal clearcutting selective cutting woody debris removal ferming toxic pollutants nutrient enrichment

Site:		RTW	503 R	ater(s):	Z <sub>OH</sub>	/y -	Thomas	Date:	1.13.05
Sal	Y5 biolal this ga	<u></u>				ν			
٥	45	Metric 5	. Special We	etlands					
max 10 pts	لوادادی:		bly and score as indicated	, tidii (go	•				
they so pro	3001014	Bog (10	•						
		Fen (10	)						
		Old gro	with forest (10)						
			forested wetland (5)			<b>.</b>			
			ie coastal/tributary wetland ie coastal/tributary wetland			O)			
			ain Sand Prairies (Oak Op	•					
		Relici V	Vet Praires (10)						
			occurrence state/federal th		_	•			
			ant migratory songbird/wat ry 1 Wetland, See Questio			· ·			
		Caregor	y i vvenario. See Questii.	n i Capanianye	: Nating (+ tu	''			
12	57	Metric 6.	Plant comr	nunitie	s. inte	ersper	sion, micr	otopog	ıraphy.
ntax 20 pts	Subsocial	-5	etation Communities		•	y Cover Sca			
		Score all present	using 0 to 3 scale		)	Absent or o	omprises <0.1ha (0.2	471 acres) cor	ntiguous area
		Aquatic		1	1		d either composes sm	•	
		Z Emerge Z Shrub	nt			1	n and is of moderate o I partibulis of low qua	•	prises a
		Forest			· · · · · ·	<del> </del>	either comprises sig	<del></del>	wetland's
		Mudflat	5			1	and is of moderate of		
		1. Open w	ater			part and it	s of high quality		
		Other_	<del></del>	3	}		comprises significan	•	), of wetland's
		Select only one	an view) Interspersion			vegetation	and is of high quality	<u></u>	
		High (5)		Narrative D	escription (	of Vegetatio	n Quality		
		Modera	tely high(4)	lo			ersity and/or predomi	nance of nonr	alive or
		<u></u> Modera	• •				ce tolerant native spec		
			tely low (2)	mo	od	1	are dominant compon nonnative and/or distu		
		Low (1) None (0	١			1	nominative and/or discussion present, and species		• •
			nvasive plants. Refer			ļ.	y high, but generallyv	•	_
		to Table 1 ORAM	long form for list. Add			threatener	d or endangered spp		
		or deduct points fo	-	hig	ris	1 .	ance of native specie:		
			re >75% cover (-5) le 25-75% cover (-3)			4	turbance tolerant nati nd high spp diversity a		
		<del></del> -	5-25% cover (-1)				nce of rare, threatene		•
		Nearly a	bsent <5% cover (0)				<u></u> -		
		Absent	• •			er Class Qu			
		6d. Microtopograp Score all present of	•	0			tha (0.247 acres) tha (0.247 to 2.47 ac	ree)	
		<del></del>	ed hummucks/tussucks	2			to <4ha (2.47 to 9.86		
		Coarse	woody debris >15cm (6in)	3		High 4ha (9.	88 acres) or more		
			dead >25cm (10in) dbh						
		Amphibi	an breeding pools	Microtopog		7			
				0		Absent Present ven	y small amounts or if	more common	1
مهد ۱						of margina			<del></del>
1 AT a	r_			2	!		noderate amounts, bu		H
$\mathcal{L}$							in small amounts of h		
				3		l	noderate or greater ar hest quality	nounts	
<i>F</i> 17						***************************************		·	
- \$ 7 Ja	BRANI	D TOTAL(ma	x 100 pts)						

Refer to the most receiff ORAM Score Calibration Report for the scoring, breakpoints between wetland categories at the following address. http://www.pps.state.oh.usrdsw/401/401.html

Metric 1. Wetland Area (size).    Rater(s): Liph should be with the property of the property o	
Select one size class and assign score.    Solidarias (2014) (2) (2) (2) (3) (5) (2) (3) (5) (2) (10) (2) (2) (10) (2) (2) (2) (10) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	te: 7-17-0-
## Sources of Water. Some after that apply.  ## Sources of Water Some after that apply.  ## Sources of Water Some after author (3)  ## Sources of Water Some after author (3)  ## Water Ca. Upland buffers and surrounding land use  ## Metric 2. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surrounding land use  ## Water Ca. Upland buffers and surround wetland perimeter (4)  ## Water Ca. Upland buffers and surround wetland perimeter (4)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (6)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (7)  ## Water Ca. Upland buffers and surround wetland perimeter (8)  ## Water Ca. Upland buffers and surround wetland perimeter (8)  ## Water Ca. Upland buffers and surround wetland perimeter (8)  ## Water Ca. Upland buffers and surround wetland perimeter (9)  ## Water Ca. Upland buffers and surround wetland perimeter (9)  ## Water Ca. Upla	•
2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (194ft) or more around wettand perimeter (1)  MEDIUM. Buffers average 25m to <50m (32 to <164ft) around wetland perimeter (4)  NARROW. Buffers average 10m to <25m (32 to <62ft) around wetland perimeter (1)  VERY NARROW. Buffers average <10m (<22ft) around wetland perimeter (9)  2b. Intensity of sumounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairle, savarnah, wildlife ares, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest (5)  MODERATELY HIGH. Residential, fenced peature, prak, conservation fillage, new fallow field. (3)  HIGH. Urban, industrial, open peature, now cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water. Score all thet apply.  High ph groundwater (3)  Perceptation (1)  Seasonal/Intermittent surface water (3)  Perceptation (1)  Seasonal/Intermittent surface water (3)  Perennial surface water (lake or stream) (5)  3d. Duration inundation/saturation. St. Scmit to permanently inundate (2)  Seasonally inundated (2)  Seasonally inundated (2)  And (15.7 in) (3)  Outside of the saverage of the saverage of the saverage.  None or none apparent (12)  Recovered (7)  Recovered (7)  Recovering (3)  Recovering (3)  Recovering (3)  Recovering (4)  Recovering (5)  Recovering (6)  Recovering (7)  Recovering (8)  Recovering (8)  Recovering (9)  Recovering (9)  Recovering (1)  Recovering (1)  Recovering (2)  Recovering (2)  Recovering (2)  Recovering (3)  Recovering (3)  Recovering (3)  Recovering (4)  Recovering (5)  Recovering (6)  Recovering (7)  Recovering (8)  Re	
aux 14 pts. substall  2a. Calculate average buffer width. Select only one and assign score. Do not double check.  ✓ WIDE. Buffers average 50m (164f) or more around wetland perimeter (1)  MEDIUM. Buffers average 50m (50m (32 to 164f) around wetland perimeter (4)  NARROW. Buffers average 10m to <50m (32 to 164f) around wetland perimeter (1)  ✓ ERY NARROW. Buffers average (10m (<32f) around wetland perimeter (0)  2b. Intensity of surrounding land use. Select one or double check and average.  ✓ VERY LOW. 2nd growth or older forest, prainte, savannah, wildlife area, etc. (7)  ✓ LOW. Ond field (10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced peature, park, conservation fillage, new fallow field. (3)  HIGH. Urban, industrial, open peature, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Weters. Score all that apply.  High pl groundwater (3)  Percepitation (1)  Seasonal/Intermittent surface water (3)  Pernenial surface water (lake or stream) (5)  3c. Macomum water depth. Select only one and assign score.  >0.7 (27.8in) (3)  0.4 to 0.7m (15.7 to 27.6in) (2)  ✓ co.4m (15.7 in) (1)  3e. Modifications to natural hydrologic regime. Score one or double check and average.  Whose or none apparent (12)  Recovered (7)  Recovered (7)  Recovered (8)  Recovered (9)  Recovered (9)  Recovered (9)  Recovered (10)  Recovered (10)  Recovering (2)  ✓ Recovering (2)  ✓ Record or no recovery (1)  Habitat development. Select only one and assign score.  Excellent (7)	
3a. Sources of Weler. Score all thet apply.    High pH groundwater (5)	
High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Part of riparian or upland (on perennial surface water (lake or stream) (5) 3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select only one and assign score.  3c. Meximum water depth. Select filling/grading is like to the control of the con	
0.4 to 0.7m (15.7 to 27.6in) (2)  Seasonally inundated (2) Seasonally saturated in upper seasonally saturated in upp	orest), complex (1) idor (1) ore one or dbl check ed/saturated (4)
None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Metric 4. Habitat Alteration and Development.  Substrate disturbance. Score one or double check and average.  None or none apparent (4) Recovering (3) Recent or no recovery (1)  Metric 4. Habitat Alteration and Development.  As. Substrate disturbance. Score one or double check and average.  None or none apparent (4) Recovering (2) Recent or no recovery (1)  Ab. Habitat development. Select only one and assign score.  Excellent (7)	• ,
### Assubstate disturbance. Score one or double check and average.    None or none apparent (4)	_
max 20 pts. subtotal  48. 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)	<b>=</b>
4b. Habitat development. Select only one and assign score.  Excellent (7)	
Cood (5) Moderately good (4)	
Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average.	<b>-</b>
None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)  Check all disturbances observed mowing grazing clearcutting sedimentation dredging woody debris removat toxic pollutants  nutrient enrichment	val

Site:	RTW 504 R	later(s): Repa	: Ky - Thomas	Date: 2-17-0
	7	•	į v	
49.5				
subtotal this	page			
0 495	Metric 5. Special We	etlands.		
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		10)	
	Lake Erie coastal/tributary wetland			
	Lake Plain Sand Prairies (Oak Op	enings) (10)		
	Relict Wet Praires (10)			
	Known occurrence state/federal th	•	•	
	Significant migratory songbird/wat		-	
	Category 1 Wetland. See Question	on a Crosmeave Heang (-1	υ)	
10 555	Motric & Blant com	numitics int	ereneralan mia	otopography
6 300		•	•	otopograpny.
max 20 pts. subjets		Vegetation Communit		
	Score all present using 0 to 3 scale.	<u>D</u>	Absent or comprises <0.1ha (0.2	<del></del>
	Aquatic bed	. 1	Present and either comprises sn	
	Emergent     Shrub		vegetation and is of moderate	• • •
	D Forest	2	significant part but is of low qu	
	Mudflats	2	Present and either comprises sign vegetation and is of moderate	•
	Open water		part and is of high quality	quanty or comprises a sman
	Other	3	Present and comprises significa-	nt part, or more, of wetland's
	6b. horizontal (plan view) Interspersion.	-	vegetation and is of high qualit	• •
	Select only one.			
	High (5)	Narrative Description	of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predom	inance of nonnative or
	∠ Moderate (3)		disturbance tolerant native spe	cies
	Moderately low (2)	mod	Native spp are dominant compo	•
	Low (1)		although nonnative and/or dist	• •
	None (0)		can also be present, and speci	=
	6c. Coverage of invasive plants. Refer		moderately high, but generally	
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	
	Extensive >75% cover (-5)	high	A predominance of native specie end/or disturbance tolerant nat	
	Moderate 25-75% cover (-3)		absent, and high spp diversity	**
	★ Sparse 5-25% cover (-1)		the presence of rare, threatens	•
	Nearly absent <5% cover (0)			
	Absent (1)	Mudflat and Open Wa	ter 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 2.47 a	cres)
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.8	8 acres)
	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
	Standing dead >25cm (10in) dbh			
	Amphibian breeding pools	Microtopography Cov		
		0	Absent	
		1	Present very small amounts or if	more common
			of marginal quality	ut not of hight
INT.		2	Present in moderate amounts, be quality or in small amounts of the	
UNTI		3	Present in moderate or greater a	<del></del>
		-	and of highest quality	
CAJI 555 GRAI	ND TOTAL(max 100 pts)			

Site:	RTU	4505	Rater(s):	Rooky	-Thomy_	Date: 7	17-07
0	0	Metric 1. Wetland	Area (siz	e).			
max & pts.	subjected	Select 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  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	n. -2ha) (5 pts) a) (4 pts) (3 pts) ha) (2pts)	•			
14	14	Metric 2. Upland i	ouffers an	d surrou	ınding land u	ıse.	
max 14 pts.	subtotal	2a. Calculate average buffer width. S WIDE. Buffers average 50m MEDIUM. Buffers average 2 NARROW. Buffers average VERY NARROW. Buffers an 2b. Intensity of surrounding land use. VERY LOW. 2nd growth or LOW. Old field (>10 years). MODERATELY HIGH. Resid	elect only one and as (164ft) or more erou 5m to <50m (82 to < 10m to <25m (32ft) verage <10m (<32ft) Select one or double older forest, prairie, sehrubland, young sedential, fenced pastu	ssign score. Do no and welland perime (164ft) around well to <82ft) around we around welland pe le check and avera (savannah, wildlife) (cond growth fores) (re, park, conserva)	ot double check. eler (7) land perimeter (4) etland perimeter (1) erimeter (0) ige. area, etc. (7) it. (5) tion tillage, new fallow field		
/7_ may 30 pts	3 /	Metric 3. Hydrolog		3h C	onnectivity. Score all that	anniv	
may 30 pts.		High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (fake 3c. Maximum water depth, Select onto >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (3) <0.4m (<15.7in) (1) 3e. Modifications to natural hydrologic	e water (3) or stream) (5) one and assign sco 2) regime. Score one	3d. Dore.	100 year floodplain (1) Between stream/lake a Part of wetland/upland Part of riparian or uplai uration inundation/saturati Semi- to permanently i Regularly inundated/sa	nd other human use (1 (e.g. forest), complex ( nd comidor (1) on. Score one or dbl ch hundated/saturated (4) iturated (3)	1) heck.
		Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturba ditch tile dike weir stormwater in		point source (nonstorm filling/grading road bed/RR track dredging other	water)	
14	45	Metric 4. Habitat /	Alteration	and Dev	elopment.		
mar 20 pts.	subiotal	4a. Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat dévelopment. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or de	or double check and one and assign score	average. e.			
,	Y5	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recevery (1)	Check all disturba mowing grazing clearcutting selective cutting toxic pollutar	ting s removal	shrub/sapling removal herbaceous/aquatic be- sedimentation dredging farming nutrient enrichment	d removal	

ORAM v. 5	D Field	Form (	Quantitati	ve Retina
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Site:	RTW505 R	ater(s): Refe	91/2 Tho-gy Date: 7-17-0
	75	<b>.</b>	
<u>L</u>	i this page		
ı T	1		
	√ ⊱ Metric 5. Special We	tlande	
$\underline{}$	-	tianus.	
max 10 pts. st	Check all that apply and score as indicated.  Bog (10)		
	Fen (10)		
	Old growth forest (10)		
	Malure forested wetland (5)		
	Lake Erie coastal/tributary wetland	-unrestricted hydrolog	av (10)
	Lake Erie coastal/tributary wetland	•	<del></del>
	Lake Plain Sand Prairies (Oak Ope	, .,	1-7
	Relict Wet Praires (10)		
	Known occurrence state/federal th	reatened or endanger	red species (10)
	Significant migratory songbird/water	er fowl habitat or usag	gė (10)
	Category 1 Wetland. See Question	n 1 Qualitative Rating	(-10)
	.d		
0 (	🔼 Metric 6. Plant comn	nunities, ii	nterspersion, microtopography.
mex 20 pts. 34	biotai 6a. Wetland Vegetation Communities.	Vegetation Comm	
	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
	Emergent		vegetation and is of moderate quality, or comprises a
	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	<del></del>	part and is of high quality
	Other  6b. horizonlai (plan view) Interspersion.	3	Present and comprises significant part, or more, of welland's
	Select only one.		vegetation and is of high quality
	High (5)	Narrative Descript	tion of Vegetation Quality
	Moderately high(4)	low	Low sop diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	Low (1)		although nonnative and/or disturbence tolerant native spp
	None (0)		can also be present, and species diversity moderate to
	<ol><li>Coverage of invasive plants. Refer</li></ol>		moderately high, but generallyw/o presence of rare
	to Table 1 ORAM long form for list. Add	<del></del>	threatened or endangered spp
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
	Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		absent, and high spp diversity and often, but not always,
	Nearly absent <5% cover (0)		the presence of rare, threatened, or endangered spp
	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 2.47 acres)
	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	`I Coarse woody debris >15cm (6in)	3	High 4ha (9.66 acres) or more
	Standing dead >25cm (10in) dbh		
	Amphibian breeding pools	Microtopography	
		0	Absent
		1	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
		3	Present in moderate or greater amounts
		·	and of highest quality
7			

Site:		RTW 506 Rater(s): Park Thomagn Date: 7 17:07
7	2	Metric 1. Wetland Area (size).
max & pts.	Subtotal(	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)
9	11	Metric 2. Upland buffers and surrounding land use.
maix 14 pts.	subtotal	2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)  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)  2b. Intensity of surrounding land use. Select one or double check and average.
· · · · · ·	2 ()	VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
7.3 max 30 pts.	5 7 Substatus	Metric 3. Hydrology.  3a. Sources of Water. Score all that apply.  3b. Connectivity. Score all that apply.  4 High pH groundwater (5)  Other groundwater (3)  Percipitation (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 riparian or upland comider (1)  3d. Duration inundation/saturation. Score one or oblicheck.
		3c. Maximum water depth. Select only one and assign score.    Semi- to permanently inundated/saturated (4)
-	<u>-</u> .	Check all disturbances observed Recovered (7) Recovering (3) Receint or no recovery (1) Check all disturbances observed point source (nonstormwater) title filling/grading road bed/RR track weir stormwater input other
18/	5 Z	Metric 4. Habitat Alteration and Development.
max 20 pts.	Istokus	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) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)
	5 Z_	4c. Habitat alteration. Score one or double check and average.    None or none apparent (9)   Check all disturbances observed   I Recovered (6)   mowing   shrub/sapling removal   herbaceous/aquatic bed removal   clearcutting   sedimentation   dredging   woody debris removal   farming   nutrient enrichment

Site:	RTW 506	Rater(s):	On & Thompse Date: 7-17-
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Ī			
$\bigcirc$	→ Metric 5. Special W	etlands.	
max 10 pts.	subline Check all that apply and score as indicated	<b>j</b> .	
	Bog (10)		
	Fen (10) Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastal/tributary wetlan	nd-unrestricted hydrolog	py (10)
	Lake Erie coastal/tributary wetlar		(5)
	Lake Plain Sand Prairies (Oak O Relict Wet Praires (10)	(10) (penings)	
	Known occurrence state/federal	threatened or endanger	red species (10)
	Significant migratory songbird/wa	•	· · · · · · · · · · · · · · · · · · ·
	Category 1 Wetland. See Quest	ion 1 Qualitative Rating	(-10)
2	59 Metric 6 Plant com	munities i	nterspersion, microtopography.
7 [	- Mictiro C. Trant Com		• • • • • • • • • • • • • • • • • • • •
max 20 pts.	subbal 6a. Welland Vegetation Communities.  Score all present using 0 to 3 scale.	Vegetation Comm	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises small part of wetland's
	Emergent		vegetation and is of moderate quality, or comprises a
	'/ Shrub ' Forest	2	significant part but is of low quality  Proceed and either comprises significant and of welland's
	Mudflats	4	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small
	Open water	<u>.</u>	part and is of high quality
	Otner	3	Present and comprises significant part, or more, of wetland's
	<ol> <li>fb. horizontal (plan view) Interspersion.</li> <li>Select only one.</li> </ol>		vegetation and is of high quality
	High (5)	Narrative Descripti	ion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	A Moderate (3)	<del></del>	disturbance tolerant native species
	Moderately low (2) Low (1)	mod	Malive spp are dominant component of the vegetation, 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
	to Table 1 ORAM long form for list. Add		threatened or endangered spp
	or deduct points for coverage  Extensive > 75% cover (-5)	high	A predominance of native species, with nonnetive spp 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)	Namidae and O	Miles Olive Overlie
	Absent (1) 6d. Microtopography.	o muchat and Open	Water Class Quality Absent <0.1ha (0.247 acres)
	Score all present using 0 to 3 scale.	1	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 (6ir	·	High 4ha (9.88 acres) or more
	Standing dead >25cm (10in) dbh	Microtopography (	Cover Scale
	The state of the s	0	Absent
		1	Present very small amounts or if more common
14T			of marginal quality
(1/		2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
71		<del></del>	desire at at attendance at tisking decirel
CAT		3	Present in moderate or greater amounts

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.ua/daw/401/401.html

Site:	Rtu 507 Rater(s): Rollsk-Jung Date: 4802
3 3	Metric 1. Wetland Area (size).
shank 6 pts. Substities	· ·
9 12	Metric 2. Upland buffers and surrounding land use.
max 14 pts. subjects	2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)  MEDIUM. Buffers average 25m to <50m (62 to <164ft) around wetland perimeter (4)  NARROW. Buffers average 10m to <25m (32ft to <62ft) around wetland perimeter (1)  VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0)  2b. Intensity of surrounding land use. Select one or double check and average.  VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW. Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, tenced pasture, park, conservation tillage, new fallow field. (3)  HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)
71 33	Metric 3. Hydrology.
max 30 pts. subtota	3a. Sources of Water. Score all that apply.  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Part of riparian or upland comidor (1)  Part of riparian or upland comidor (1)  Part of riparian or upland comidor (1)  Semi- to permanently inundated/saturated (4)  Regularly inundated/saturated (3)  Regularly inundated/saturated (3)  O.4 to 0.7m (15.7 to 27.6in) (2)  Connectivity. Score all that apply.  100 year floodplain (1)  Part of welfand/upland (e.g. forest), complex (1)  Part of riparian or upland comidor (1)  Semi- to permanently inundated/saturated (4)  Regularly inundated/saturated (3)  Seasonally inundated (2)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12in) (1)  3e. Modifications to natural hydrotogic regime. Score one or double check and average.
	None or none apparent (12) Recovered (7) Recovering (3) Recent or ho recovery (1)
4, 37	Metric 4. Habitat Alteration and Development.
max 20 pts. subtotal	
Subtotal this	None or none apparent (9)  Recovered (6) Recovering (3) Recent or no recovery (1)

Site:	RTW 507	Rater(s): 200	15 kg 5 / homoge Date: 7-18-0
	7	1 45	<i>y</i> -
37	2 \		
subjected this	manuf Fpaga		
03	∕∸Metric 5. Special \	Netlands.	
max 10 pts. subjets	<del></del>		
	Bog (10)		
	Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)  Lake Erie coastaViributary we	iland unrechisted budselse	n: (40)
•	Lake Erie coastal/iributary we		
	Lake Plain Sand Prairies (Oal		·-·
	Relict Wet Praires (10)		
	Known occurrence state/feder	ral threatened or endanger	ed species (10)
	Significant migratory songbird	• • • • • • • • • • • • • • • • • • • •	• •
	Category 1 Wetland. See Qu	estion 1 Qualitative Rating	(-10)
9 41	Metric 6 Plant cou	mmunitiae ir	nterspersion, microtopography.
	اسنخ		
max 20 pts. subtota	<ul> <li>6a. Wetland Vegetation Communities.</li> <li>Score all present using 0 to 3 scale.</li> </ul>	Vegetation Commu	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises small part of wetland's
	i Emergent		vegetation and is of moderate quality, or comprises a
	k 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 welland's
	6b. horizontal (plan view) Interspersion.	_	vegetation and is of high quality
	Select only one.		
	High (5)	Narrative Descripti	ion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3) Moderately low (2)	mod	disturbance tolerant native species
	Low (1)	mod	Native spp are dominant component of the vegetation, 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 generallywlo presence of rare
	to Table 1 ORAM long form for list. Add	·	threatened or endangered spp
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	Extensive >75% cover (-5)  X Moderate 25-75% cover (-3)		and/or disturbance tolerant native spp absent or virtually
	Sparse 5-25% cover (-1)		absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
	Nearly absent <5% cover (0)		
	Absent (1)	Mudflat and Open 1	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 2.47 acres)
	Vegetated hummucks/tussuck Coarse woody debris >15cm (		Moderate 1 to <4ha (2.47 to 9.88 acres)
	O Standing dead >25cm (10in) d	· · ·	High 4ha (9.88 acres) or more
	Amphibian breeding pools	Microtopography C	Cover Scale
		0	Absent
		1	Present very small amounts or if more common

3

of marginal quality

and of highest quality

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

Present in moderate or greater amounts

Site:	RT.	n 208	Rater(s): Papasky= thomy Date: 7-18-07
72	2	Metric 1. Wetland	d Area (size).
ntax 6 pts	subjetal	Select 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 3 to <10 acres (1.2 to <4ha)	ha) (4 pts)
		0.3 to <3 acres (0.12 to <1.2 0.1 to <0.3 acres (0.04 to <0	2ha) (2pts)
Γ	<del></del> -	<0.1 acres (0.04ha) (0 pts)	
12	14		buffers and surrounding land use.
mile 14 pis	a. substateli	WIDE. Buffers average 50m	Select only one and assign score. Do not double check. m (164ft) or more around wetland perimeter (7) 25m to <50m (82 to <164ft) around wetland perimeter (4)
		MARROW. Buffers average	e 10m to <25m (32ft to <62ft) around wetland perimeter (1) sverage <10m (<32ft) around wetland perimeter (0)
		2b. Intensity of surrounding land use.	. Select one or double check and average. r older forest, prairie, savannah, wildlife area, etc. (7)
		LOW. Old field (>10 years),	), shrubland, young second growth forest. (5) sidential, fenced pasture, park, conservation tillage, new fallow field. (3)
	1	} —	pen pasture, row cropping, mining, construction. (1)
max 30 pts	s. Subtotal	Metric 3. Hydrolo  3a. Sources of Water. Score all that a	
		High pH groundwater (5) Other groundwater (3)	100 year floodptain (1)  Between stream/lake and other human use (1)
		Precipitation (1) Seasonal/Intermittent surface	No. of the control of
		Perennial surface water (take 3c. Maximum water depth, Select onl >0.7 (27.6in) (3)	
		0.4 to 0.7m (15.7 to 27.6in) (	
		3e. Modifications to natural hydrologic  None or none apparent (12)	ic regime. Score one or double check and average.  Check all disturbances observed
		Recovered (7) Recovering (3)	ditch point source (nonstormwater) title filling/grading
		Recent or no recovery (1)	dike road bed/RR track dredging
		1	stormwater input other
3	36		Alteration and Development.
max 20 pts	s. subtotal	4a. Substrate disturbance. Score one None or none apparent (4) Recovered (3)	e or double check and average.
		Recovering (2) Recent or no recovery (1)	
		4b. Habitat development. Select only Excellent (7)	y one and assign score.
		Very good (6) Good (5)	
		Moderately good (4) Fair (3) Poor to fair (2)	
		Poor (1)  4c, Habitat alteration. Score one or de	double check and everage.
		None or none apparent (9) Recovered (6)	Check all disturbances observed shrub/sapling removal
	_	Recovering (3) Recent or no recovery (1)	grazing herbaceous/aquatic bed removal clearcutting sedimentation
	1/	]	selective cutting dredging woody debris removal farming
	Subtotal this pay		toxic pollutantsnutrient enrichment

ORAM .	v. 5.0	Field	Form	Quantitative	Rating
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	· · · · · ·	270508	Rater(s): Cha	- K- Therenge Date: 7-18-
	3/a			•
0	36	Metric 5. Special W	etlands.	
) pis.	istotsius	Check all that apply and score as indicated		
•		Bog (10)		
		Fen (10)		
		Old growth forest (10)		
		Mature forested wetland (5)		
		Lake Erie coastal/tributary wetlar		
		Lake Erie coastal/tributary wetlar	nd-restricted hydrology (5	)
		Lake Plain Sand Prairies (Oak O	penings) (10)	
		Relict Wet Praires (10)		
		Known occurrence state/federal		
		Significant migratory songbird/wa		
	_	Category 1 Wetland, See Questi	ion 1 Qualitative Rating (-	10)
5 I	142	Matric & Plant com	munitiaa in	taranarajan miaratanagranhy
<u> </u>	12			terspersion, microtopography
O pts.	tabiotal	6a. Wetland Vegetation Communities.	Vegetation Commus	
		Score all present using 0 to 3 scale.  Aquatic bed	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
		1 Emergent	1	Present and either comprises small part of wetland's
		Shrub		vegetation and is of moderate quality, or comprises a 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		part and is of high quality
		Other	3	Present and comprises significant part, or more, of wetland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
		Select only one.	· · · · · · · · · · · · · · · · · · ·	
		High (5)	Narrative Descriptio	n of Vegetation Quality
		Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
		Moderate (3)		disturbance tolerant native species
		94 4 4 4 6 60		
		Moderately low (2)	mod	Native spp are dominant component of the vegetation,
		Low (1)	mod	although nonnative and/or disturbance tolerant native spp
		Low (1) None (0)	mod	although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to
		Low (1) None (0) 6c. Coverage of invasive plants. Refer	mod	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
		Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add		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
		Low (1) None (0) 6c. Coverage of invasive plants. Refer	mod	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
		Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage		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 A predominance of native species, with nonnative spp
		Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)		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 A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
		Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	high	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.  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.
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)	high Mudflat and Open W	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.  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
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	high  Mudifiat and Open W	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.  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.  Assent <0.1ha (0.247 acres)
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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.	high  Mudifiat and Open W  0	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.  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.  Absent <0.1ta (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
		Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Mudflat and Open W	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.  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.  Absent <0.1ths (0.247 acres)  Low 0.1 to <1hs (0.247 to 2.47 acres)  Moderate 1 to <4hs (2.47 to 9.88 acres)
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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 Coerse woody debris >15cm (6in	Mudifiat and Open W 0 1 2 3	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.  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.  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Muditat and Open W  0  1  2  3	although normative 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.  A predominance of native species, with normative 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.  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) 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 Coerse woody debris >15cm (6in	Mudifat and Open W  0 1 2 3 Microtopography Co	although normative 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  A predominance of native species, with normative 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  fater Class Quality  Absent <0.1hs (0.247 acres)  Low 0.1 to <1hs (0.247 to 2.47 acres)  Moderate 1 to <4hs (2.47 to 9.88 acres)  High 4hs (9.88 acres) or more
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Muditat and Open W  0  1  2  3	although normative 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.  A predominance of native species, with normative 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.  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Muditat and Open W  0 1 2 3 Microtopography Co	although normative 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 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 fater Class Quality Absent <0.1tha (0.247 acres) Low 0.1 to <1tha (0.247 to 2.47 acres) Moderate 1 to <4tha (2.47 to 9.88 acres) High 4the (9.88 acres) or more
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Muditat and Open W  0 1 2 3 Microtopography Co	although normative 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 A predominance of native species, with normative 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  later Class Quality Absent <0.1hs (0.247 acres) Low 0.1 to <1hs (0.247 to 2.47 acres) High 4hs (9.88 acres) or more  over Scale Absent Present very small amounts or if more common
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Mudiflat and Open W  0 1 2 3 Microtopography Co	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 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  later Class Quality Absent <0.1hs (0.247 acres) Low 0.1 to <1hs (0.247 to 2.47 acres) High 4hs (9.88 acres) or more  over Scale Absent Present very small amounts or if more common of marginal quality
		Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5) 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	Mudiflat and Open W  0 1 2 3 Microtopography Co	although normative 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 A predominance of native species, with normative 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  later Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more  over Scale Absent Present very small amounts or if more common of marginal quality Present in moderate amounts, but not of highest

Site:	JU-1	29	Rater(s): Bures	Themajer	Date: 5/10/07
0	0	Metric 1. Wetland	Area (size).	ŕ	
max 6 pts.	substal	Select one size class and assign score.  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.1 to <20.2)  10 to <25 acres (4 to <10.1ha)  3 to <10 acres (1.2 to <4ha) (3  0.3 to <3 acres (0.12 to <1.2ha  0.1 to <0.3 acres (0.04 to <0.1)  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <  <	ha) (5 pts) (4 pts) pts) I) (2pts)		
3	3	Metric 2. Upland b	uffers and surr	ounding land	use.
max 14 pts	subtotal	2a. Calculate average buffer width. Selver Wide. Buffers average 50m (** MEDIUM. Buffers average 25m NARROW. Buffers average 10 VERY NARROW. Buffers average 10 Interestly of surrounding land use.	ect only one and assign score. 1648) of more around wetland pin to <50m (82 to <1648) around im to <25m (328 to <828) around large <10m (<328) around wetla select one or double check and fer forest, prairie, savannah, will mubland, young second growth nitial, fenced pasture, park, cons	Do not double check.  perimeter (7)  d wetland perimeter (4)  nd wetland perimeter (1)  nd perimeter (0)  average.  dilife area, etc. (7)  forest. (5)  servation tillage, new fallow fiel	
16	19	Metric 3. Hydrolog			
max 30 pts	, subtotal	3a. Sources of Water. Score all that appears things pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (lake of some state of	vater (3) if stream) (5) ine and assign score.	Part of welland/uptan Part of riparian or uple Duration inundation/satura Semi- to permanently Regularly inundated/s Seasonally inundated X Seasonally saturated	) and other human use (1) d (e.g. forest), complex (1) and corridor (1) tion. Score one or dbl check. inundated/saturated (4) aturated (3) (2)
		None or none apparent (12)  Recovered (7)  Recovering (3)  Recent or no recovery (1)	Check all disturbances observed ditch title dike weir stormwater input	point source (nonstorn filling/grading road bed/RR track dredging other	nwater)
7	26	Metric 4. Habitat A	Iteration and D	evelopment.	
max 20 pts.	<u> </u>	4a. Substrate disturbance. Score one or None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only or Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat atteration. Score one or dou	double check and average.		
	SUDIDINI THIS DA	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed  mowing grazing clearculting selective cutting woody debris removal toxic pollutants	shrub/sapling remova  sherbaceous/aquatic b  sedimentation  dredging farming nutrient enrichment	9

<u> </u>	7 - 1	29 R	Rater(s): Burns	Thomayer	Date: 5/10/07
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	6				
tubiol	tel this pa	, ,			
3	$\bigcap$	94.4-1- F 0	-41		
		Metric 5. Special We	∍tianas.		
Opts. s	ubtotal	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	والمستعدد	· 0\	
		Lake Erie coastal/tributary wetland		0)	
		Lake Plain Sand Prairies (Oak Op			
		Relict Wet Praires (10)			
		Known occurrence state/federal th	hreatened or endangered :	species (10)	
		Significant migratory songbird/wat	ter fowl habitat or usage (1	0)	
		Category 1 Wetland, See Question	on 1 Qualitative Rating (-10	D)	
,	,		***		
	6	Metric 6. Plant com	munities, inte	erspersion, mici	rotopography
pts. s		6a. Wetland Vegetation Communities.	Vegetation Community	y Cover Scale	
		Score all present using 0 to 3 scale.	0	Absent or comprises <0, tha (0.	2471 acres) contiguous area
		Aquatic bed	1	Present and either comprises si	,
		/ Emergent		vegetation and is of moderate	• ••
		3 Shrub 9 Forest	2	significant part but is of low qu	
		Ø Mudflats	2	Present and either comprises si vegetation and is of moderate	=
		Ø Open water		part and is of high quality	different or combinees a sense
		② Other	3	Present and comprises significa	nt part, or more, of welland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high quali	•
		Select only one.			
		High (5)	Narrative Description	of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predon	
		Moderate (3)		disturbance toterant native spo	
		Moderately low (2)	mod	Native spp are dominant compo	-
				I authorich nonnaume ander dis	turbance tolerant native spp
		X Low (1)		j "	ine disserity moderate to
		None (0)		can also be present, and spec	
		The state of the s		can also be present, and spec moderately high, but generally	w/o presence of rare
		None (0) 6c. Coverage of invasive plants. Refer	high	can also be present, and spec	w/o presence of rare
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add	high	can also be present, and spec moderately high, but generally threatened or endangered spp	rw/o presence of rare  s, with normative spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage	high	can also be present, and spec moderately high, but generally threatened or endangered special A predominance of native special	w/o presence of rare b as, with normative spp tive spp absent or virtually
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive > 75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	high	can also be present, and specimoderately high, but generally threatened or endangered specimodorninance of native specimodor disturbance tolerant na	w/o presence of rare  b.  s., with normative spp  tive spp absent or virtually  and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)		can also be present, and specimoderately high, but generally threatened or endangered specimodor disturbance tolerant na absent, and high spp diversity the presence of rare, threaten	w/o presence of rare  b.  as, with normative spo- tive spp absent or virtually and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)	Mudflat and Open Wat	can also be present, and specimoderately high, but generally threatened or endangered specially and/or disturbance tolerant na absent, and high spp diversity the presence of rare, threateners Quality	w/o presence of rare  b.  as, with normative spo- tive spp absent or virtually and often, but not always,
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.	Mudflat and Open Wat	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threateneder Class Quality  Absent <0.1ha (0.247 acres)	rw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.	Mudflat and Open Wat 0 1	can also be present, and specimoderately high, but generally threatened or endangered specially threatened or endangered special and/or disturbance tolerant na absent, and high spp diversity the presence of rare, threatened ter Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 to 2.47)	nw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.	Mudifiat and Open Wat 0 1	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance tolerant na absent, and high spp diversity the presence of rare, threateneder Class Quality  Absent <0.1ha (0.247 acres)	nw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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	Mudifiat and Open Wat 0 1	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 to 9.6)  Moderate 1 to <4ha (2.47 to 9.6)	nw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  O Coarse woody debris >15cm (6in)	Mudifiat and Open Wat	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 scres) Low 0.1 to <1ha (0.247 to 2.47 to 9.64)  High 4ha (9.88 acres) or more	nw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudflat and Open Wat  0  1  2  3	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) High 4ha (9.88 acres) or more  Proceedings of the control of the c	aw/o presence of rare  as, with normative spp  tive spp absent or virtually and often, but not always, ed, or endangered spp  acres)  8 acres)
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudflat and Open Wat  0 1 2 3 Microtopography Cove	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 to 9.6) High 4ha (9.88 acres) or more	aw/o presence of rare  as, with normative spp  tive spp absent or virtually and often, but not always, ed, or endangered spp  acres)  8 acres)
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudiflat and Open Wate 0 1 2 3 Microtopography Cove 0 1	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance of native speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Moderate 1 to <4ha (2.47 to 9.6) High 4ha (9.88 acres) or more  Present very small amounts or it of marginal quality	aw/o presence of rare  as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp  acres)  acres)
		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudflat and Open Wat  0 1 2 3 Microtopography Cove	can also be present, and specimoderately high, but generally threatened or endangered spot and/or disturbance of native speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 to 9.6) High 4ha (9.88 acres) or more of scale  Absent Present very small amounts or if of marginal quality Present in moderate amounts, but the present in moderate amounts, but the present in moderate amounts, but the present in moderate amounts of the present in moderate amounts.	as, with normative spp tive spp absent or virtually and often, but not always, ed, or endangered spp  acres)  is acres)  i more common
7 -		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudiflat and Open Water 0 1 2 3 Microtopography Cover 0 1 2	can also be present, and specimoderately high, but generally threatened or endangered speciand/or disturbance of native speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) High 4ha (9.88 acres) or more  Present very small amounts or it of marginal quality Present in moderate amounts of quality or in small amounts of	acres)  I more common  I more common  I more common
TI		None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  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.  1 Vegetated hummucks/tussucks  0 Coarse woody debris >15cm (6in)  0 Standing dead >25cm (10in) dbh	Mudiflat and Open Wate 0 1 2 3 Microtopography Cove 0 1	can also be present, and specimoderately high, but generally threatened or endangered spot and/or disturbance of native speciand/or disturbance toterant na absent, and high spp diversity the presence of rare, threatened ter Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 to 9.6) High 4ha (9.88 acres) or more of scale  Absent Present very small amounts or if of marginal quality Present in moderate amounts, but the present in moderate amounts, but the present in moderate amounts, but the present in moderate amounts of the present in moderate amounts.	acres)  I more common  I more common  I more common

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between welfand categories at the following aggress: http://www.epe.state.oh.us/dew/401/401.htm

Site: JU-	129	Rater(s): Bures	Thomayer	Date: 5/10/07
00	Metric 1. Wetland	í Area (síze).		
maju di pte. subtole		re. 0.2ha) (5 pts) ha) (4 pts) ) (3 pts) Zha) (2pts)		
3 3	Metric 2. Upland	buffers and sur	rounding land	use.
napx 14 pts. Subtote	2a. Calculate average buffer width.  WIDE. Buffers average 50  MEDIUM. Buffers average  NARROW. Buffers average  VERY NARROW. Buffers average  VERY LOW. 2nd growth or  LOW. Old field (>10 years)  MODERATELY HIGH. Res	Select only one and assign score. In (164fi) Or more around welland I 25m to <50m (82 to <164fi) aroun 2 10m to <25m (32ft to <82fi) around average <10m (<32ft) around wella	Do not double check.  Derimeter (7)  d wetland perimeter (4)  and wetland perimeter (1)  and perimeter (0)  average.  Idlife area, etc. (7)  forest. (5)  servation tillage, new fallows	
16/19	Metric 3. Hydrolo	gy.		
max 30 pts. subtoba	3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfact Perennial surface water (lai 3c. Maximum water depth. Select on >0.7 (27 6in) (3) 0.4 to 0.7m (15.7 to 27.6in)    3c. Maximum water depth. Select on >0.7 (27 6in) (1)    3c. Maximum water depth. Select on No.7 (27 6in) (1)    3c. Maximum water depth. Select on No.7 (27 6in) (1)    3c. Maximum water depth. Select on No.7 (27 6in) (1)    3c. Maximum water depth. Select on No.7 (27 6in) (1)    3c. Maximum water depth. Select on No.7 (27 6in) (1)    3d. Maximum water depth. Select on No.7 (27 6in) (1)    3e. Modifications to natural hydrotogic None or none apparent (12)	ce water (3) ie or stream) (5) ily one and assign score (2) c regime. Score one or double che	Part of welland/uple Part of riparian or u 3d. Duration inundation/satu Semi- to permanen Regularly inundated Seasonally inundated Seasonally saturated ack and average.	(1) se and other human use (1) and (e.g. forest), complex (1) pland corridor (1) ration. Score one or dbl check tly inundated/saturated (4) 1/saturated (3)
	Recovered (7) Recovering (3) Recent or no recovery (1)	ditch tile dike weir stommwater input	point source (nonstruction filling/grading road bed/RR track dredging other	ormwater)
7 26	Metric 4. Habitat	Alteration and D	evelopment.	•
nax 20 pts. subjected	4a. Substrate disturbance. Score on None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only Excellent (7) Vary good (6) Good (5) Moderately good (4) Fair (3) Poor to feir (2) Poor (1)	e or double check and average.		
	4c. Habitat alteration. Score one or d	ouble check and average.  Check all disturbances observe		
2.0	Recovered (6)  7. Recovering (3)  Recent or no recovery (1)	mowing grazing dearculting selective culting woody debris removal toxic pollutants	shrub/sapling remove herbeceous/aquatic sedimentation caredging farming nutrient enrichment	

	129	<u> </u>	Rater(s): Burns	Thomeyer	Date: 5/10/07
	7			,	· —
	2				
subtotal this	1 2020				
00	Metr	ic 5. Special W	etlands.		
g pls. subtot	i 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	id-unrestricted hydrology (16	3}	
		Lake Erie coastal/tributary wetlan	d-restricted hydrology (5)		
		Lake Plain Sand Prairies (Oak O	penings) (10)		
		Relict Wet Praires (10)			
	-	Known occurrence state/federal to			
	$\vdash$	Significant migratory songbird/wa Calegory 1 Wetland. See Questi	- '	•	
	<b>-</b> ┐ ┗─┤	Cologoly i Visualio. See Guesia	out : Anduitanne Wathin (-) of	,	
6	Metr	ic 6. Plant com	munities, inte	erspersion, mici	rotopography.
D pts. subtots		and Vegetation Communities.	Vegetation Community	•	
<b>-</b>		present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2	471 acres) contiguous area
		Aquatic bed	1	Present and either comprises so	
	1	Emergent		vegetation and is of moderate	quality, or comprises a
		Shrub		significant part but is of low qu	
	-	Forest	2	Present and either comprises sig	•
	J	Mudfiats Open water		vegetation and is of moderate	quality or comprises a small
		Other	3	part and is of high quality  Present and comprises significate	nt part or more of wetland's
	<del></del> -	ontal (plan view) Interspersion.	,	vegetation and is of high qualit	
	Select on	y one.			<del>(                                    </del>
		High (5)	Narrative Description of		
	_	Moderately high(4)	low	Low spp diversity and/or predom	_
	-	Moderate (3)		disturbance tolerant native spe	
	X	Moderately low (2) Low (1)	mod	Native spp are dominant compor although nonnative and/or dist	
	لشا	None (0)	· ·	I SIRIDGE INTERMINED AS COUNTY AIS	are service to committee the app
	1 1	INOUG (n)	4	•	ies diversity moderate to
	5c. Cove	rage of invasive plants. Refer		can also be present, and speci moderately high, but generally	
				can also be present, and speci	w/o presence of rare
	to Table 1 or deduct	rage of invasive plants. Refer ORAM long form for list. Add points for coverage	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie	w/o presence of rare
	to Table 1 or deduct	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5)	lwgh	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat	w/o presence of rare es, with nonnative spp ive spp absent or virtually
	to Table 1	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually  and often, but not always,
	to Table 1	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	high	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually  and often, but not always,
	to Table 1	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3)	high Mudfiat and Open Wate	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatene	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually  and often, but not always,
	to Table to deduct	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0)	<u>.</u>	can also be present, and speci moderately high, but generally threatened or endangered spp A predominance of native specie and/or disturbance tolerant nat absent, and high spp diversity the presence of rare, threatene	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually  and often, but not always,
	or deduct  or deduct  y  Bd. Micro Score all	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) lopography. present using 0 to 3 scale.	Mudflat and Open Wate 0 1	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natiabsent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres)
	or deduct  y  Bd. Micro Score all	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-1) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) lopography. present using 0 to 3 scale. Vegetated hummucks/tussucks	Mudflat and Open Wate  0 1 2	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant net absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.8)	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres)
	or deduct  or deduct  //  Sd. Micro Score all	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in)	Mudflat and Open Wate  0 1 2	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natiabsent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres)
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natisbaent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres)
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in)	Mudflat and Open Wate  0 1 2	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natisbaent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres)
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3 Microtopography Cove	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natises absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more	w/o presence of rare es, with nonnative spp live spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3 Microtopography Cove	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant natises absent, and high spp diversity the presence of rare, threatened or Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more or Scale  Absent	w/o presence of rare es, with nonnative spp live spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3 Microtopography Cove	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant native speak, and high spp diversity the presence of rare, threatened at Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 at Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  r Scale  Absent  Present very small amounts or if of marginal quality  Present in moderate amounts, but	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)  more common
	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3 Microtopography Cove 0 1	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant native species of rare, threatened at Class Quality  Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 9.8 High 4ha (9.88 acres) or more  r Scale  Absent  Present very small amounts or if of marginal quality  Present in moderate amounts, but quality or in small amounts of the control of the	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)  more common  ut not of highest highest quality
T	or deduct  or deduct  //  Sd. Micro Score all  0	rage of invasive plants. Refer ORAM long form for list. Add points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) dopography. present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	Mudflat and Open Wate  0 1 2 3 Microtopography Cove 0	can also be present, and specimoderately high, but generally threatened or endangered spp A predominance of native species and/or disturbance tolerant native speak, and high spp diversity the presence of rare, threatened at Class Quality  Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 at Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  r Scale  Absent  Present very small amounts or if of marginal quality  Present in moderate amounts, but	w/o presence of rare  s, with nonnative spp  ive spp absent or virtually and often, but not always, ad, or endangered spp  cres) 8 acres)  more common  ut not of highest highest quality

Refer to the most recent ORAM SQ/s Calibration Report for the scoring breakpoints between waltend categories at the following address: hito //www.eps, state.oh.us/daw/401/401 htm

Site:	JM-	130	Rater(s): Burns	Thomaser	Date: 5/10/07
	1	Metric 1. Wetla	ınd Area (size).	,	
max 8 pts.	subtotel	Select one size class and assign	• •		
		>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 to			
		0.1 to <0.3 acres (0.04 <0.1 acres (0.04ha) (0			
	Τ	]	<b>,</b>		
3	4	Metric 2. Uplar	nd buffers and surr	ounding land	use.
max 14 pts.	subtotal		tth. Select only one and assign score. I		
		•	e 50m (164ft) or more around wetland p rage 25m to <50m (82 to <164ft) around		
			erage 10m to <25m (32ft to <82ft) aroun		
		VERY NARROW. But	fers average <10m (<32ft) around wettar	nd perimeter (0)	
			I use. Select one or double check and a	•	
			vth or older forest, prairie, savannah, wik ears), shrubland, young second growth t		
			Residential, fenced pasture, park, cons		ald. (3)
	<del></del>	HIGH. Urban, industri	at, open pasture, row cropping, mining, o	construction. (1)	
6	10	Metric 3. Hydro	ology.		
max 30 pts.	Subtotal	3a. Sources of Water. Score at		b. Connectivity. Score all the	at apply.
		High pH groundwater		100 year floodplain (	1) and other human use (1)
		Other groundwater (3) Precipitation (1)			nd (e.g. forest), complex (1)
		Seasonal/Intermittent		Part of riparian or up	* *
		Perennial surface water 3c. Maximum water depth. Sek	* ***		ation. Score one or dbl check. y inundated/saturated (4)
		>0.7 (27.6in) (3)	sa only one and assign score.	Regularly inundated	
		0.4 to 0.7m (15.7 to 27	(6in) (2)	Seasonally inundated	
7		See Modifications to natural hydrone	ologic regime. Score one or double che		I in upper 30cm (12in) (1)
		None or none apparen			
		Recovered (7)	☑ ditch	point source (nonstor	mwater)
		Recovering (3)	(1) file	filling/grading road bed/RR track	ĺ
		Recent or no recovery	weir	dredging	
			stormwaler input	other	
		7			
7	17	Metric 4. Habit	at Alteration and D	evelopment.	•
max 20 pts.	subtotal		re one or double check and average.	_	
		None or none apparen Recovered (3)	t (4)		
		Recovering (2)			
•		Recent or no recovery			
		4b. Habitat development. Select Excellent (7)	t only one and assign score.		
		Very good (6)			
		Good (5)			
		Moderately good (4) Fair (3)			
		X Poor to fair (2)			
		Poor (1) 4c. Habitat alteration. Score on	o or double thack and success		
		None or none apparen		<u> </u>	
		Recovered (6)	mowing	shrub/sapling remove	ai i
		X Recovering (3)	grazing	herbaceous/aquatic b	H
		Recent or no recovery	(1) X clearcutting selective cutting	sedimentation dredging	
	17		woody debris removal	farming	
	<u></u>	J	loxic pollulants	nutrient enrichment	
•	subtotal this pa	9 <b>e</b>	<u> </u>		<u></u>

ite:	JM.	130	Rater(s): Burns	Thomayer	Date: 5/10/07
Γ	0			,	
l					
9.0	trectal this pa				
0	0	Metric 5. Special W	atlande		
10 pts.	subtotal	Check all that apply and score as indicated Bog (10)	ı.		
		Fen (10)			
		Old growth forest (10)			
		Mature forested wetland (5)			
		Lake Erie coastal/tributary wetlan		<b>D</b> )	
		Lake Erie coastal/tributary wetlan  Lake Plain Sand Prairies (Oak O			
		Refict Wet Prairies (10)	beautida) (10)		
		Known occurrence state/federal t	hreatened or endangered s	pecies (10)	
		Significant migratory songbird/wa			
		Category 1 Welland. See Questi	on 1 Qualitative Rating (-10	)	
7	7	Blatela C. Dlant com			
	!	Metric 6. Plant com		<del>-</del>	otohođishuš
20 pts.	autiloial	6a. Wetland Vegetation Communities.	Vegetation Community		174 - 100 N 100 E
		Score all present using 0 to 3 scale.   O Aquatic bed	0 1	Absent or comprises <0.1ha (0.2 Present and either comprises sn	
		/ Emergent	•	vegetation and is of moderate	•
		5 Shrub		significant part but is of low qu	
			2	Present and either comprises sig	mificant part of wetland's
		<u>⊘</u> Mexistats		vegetation and is of moderate	quality or comprises a small
		Open water Other	3	part and is of high quality	
		6b. horizontal (plan view) Interspersion.	3	Present and comprises significative separation and is of high quality	•
		Select only one.	<del></del>	1 Vegetation and to Or High Good	· · · · · · · · · · · · · · · · · · ·
		High (5)	Narrative Description	of Vegetation Quality	
		Moderately high(4)	low	Low sup diversity and/or predom	
		Moderate (3)		disturbance tolerant native spe	
		Moderately low (2)  X Low (1)	mod	Native spp are dominant compo- although nonnative and/or dist	=
		None (0)		can also be present, and spec	
		6c. Coverage of invasive plants. Refer		moderately high, but generally	
		to Table 1 ORAM long form for list. Add		threatened or endangered app	
		or deduct points for coverage	high	A predominance of native specie	
		Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance telerant nat absent, and high spp diversity	
		Sparse 5-25% cover (-1)		the presence of rare, threatene	
		✓ Nearly absent <5% cover (0)			
		Absent (1)	Mudflat and Open Wat		
		6d. Microtopography.	0	Absent <0.1ha (0.247 acres)	
		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 a	
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks	0 1 2	Absent <0.1ha (0.247 scres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8	
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks	0 1 2	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a	
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in	0 1 2	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more	
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in  O Standing dead > 25cm (10in) dbh	0 1 2 3 Microtopography Cove	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more er Scale Absent	B acres)
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in  O Standing dead > 25cm (10in) dbh	0 1 2 3 Microtopography Cove	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  Pr Scale Absent Present very small amounts or if	B acres)
		6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in  O Standing dead > 25cm (10in) dbh	0 1 2 3 Microtopography Cove	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  Present very small amounts or if of marginal quality	more common
fT_	-	6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in  O Standing dead > 25cm (10in) dbh	0 1 2 3 Microtopography Cove	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  Pr Scale Absent Present very small amounts or if	more common ut not of highest
AT I	-	6d. Microtopography.  Score all present using 0 to 3 scale.  Z Vegetated hummucks/tussucks  O Coarse woody debris > 15cm (6in  O Standing dead > 25cm (10in) dbh	0 1 2 3 Microtopography Cove	Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8 High 4ha (9.88 acres) or more  Present very small amounts or if of marginal quality  Present in moderate amounts, b	more common  ut not of highest

	Site: 5M-	/3/	-	Rater(s):	BULAS	Thomoger	Date:	5/10/07
	00	Metric 1.	Wetland	Area (si:	ze).			
	mitor & pts. subform	>50 acre 25 to <5 10 to <2 3 to <10 0.3 to <3 0.1 to <	ass and assign score.  Is (>20.2ha) (6 pts)  Cacres (10.1 to <20.2  Sacres (4 to <10.1ha)  Cacres (1.2 to <4ha) (6  Cacres (0.12 to <1.2ha)  Cacres (0.12 to <0.1  Cacres (0.04 to <0.1  Cacres (0.04 to <0.1  Cacres (0.04ha) (0 pts)	) (4 pts) 3 pts) a) (2pts)				
	4 4	Metric 2	Upland b	uffers a	nd surra	ounding land	use.	
	man 14 pts. subtora	2a. Calculate ave	age buffer width. Sel Buffers average 50m ( 1. Buffers average 25 W. Buffers average 1 ARROW. Buffers average frounding land use. 3 DW. 2nd growth or of Id field (>10 years), si	ect only one and 164fi) or more ar m to <50m (82 to 0m to <25m (32) rage <10m (<32) Select one or dou der forest, prairie hrubland, young sential, fenced pas	assign score. Dound wetland per < 164ft) around vit to <82ft) around vit around wetland ble check and and, savannah, wildli second growth foture, park, conse	o not double check. rimeter (7) rectiand perimeter (4) I wetland perimeter (1) I perimeter (0) rerage. Ife area, etc. (7) rest. (5) resting new fallow fie		
į	7 11		Hydrolog					
	mak 30 pts. substa	High pH Other gr Precipita Seesona Perennia 3c. Maximum wat >0.7 (27 0.4 to 0.	Untermittent surface of surface water (lake of surface water (lake of depth. Select only 6in) (3) 7m (15.7 to 27.6in) (2)	waler (3) or stream) (5) one and assign s	3d cone.	Convectivity. Score all that 100 year floodplain (*)  Between stream/lake Part of wetland/uplan Part of ripartian or upl Duration inundation/satura Semi- to permanently Regularly inundated Seasonally inundated seasonally saturated and average.	and other hund (e.g. forest), and corridor (1 tition. Score or mundated/satsaturated (3)	complex (1) he or dbl check. turated (4)
		Recover		Check all disturi	bances observed	point source (nonstor filling/grading road bed/RR track dredging other	mwater)	
	7 18	Metric 4.	Habitat A	Iteration	and De	velopment.		
,	mex 20 pts. subjectal	4a. Substrate distriction of the control of the con	whance. Score one one one apparent (4) and (3) reg (2) or no recovery (1) priment. Select only of (6) and (6) and (4)	r double check an	nd average. Ore.			
	Sublotal Uns	None or Recover Recover Recent o		Check all disturb mowing grazing Clearcutting selective of	pances observed  utting ris removal	shrub/sapling remova herbaceous/aquatic b sedimentation dredging farming nutrient enrichment	lk .	

	M- /	3/	Rater(s): Burns	Thomsyer	Date: 5/10/07			
Г		1		/				
	6							
<u>L</u>	ibiotal this pe	≫						
		Ì						
0	0	Metric 5. Special W	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)		-#1	•			
		Lake Erie coasial/tributary wetta		10)				
		Lake Erie coastal/tributary welland-restricted hydrology (5) Lake Plain Sand Prairies (Oak Openings) (10) Relict Wet Prairies (10)						
		Known occurrence state/federal	threatened or endangered	species (10)				
		Significant migratory songbirdAw		-				
		Category 1 Wetland. See Quesi	tion † Qualitative Rating (-1	0)				
/_	6	Motrio 6 Plant com	munities int		estanoaron by			
0		Metric 6. Plant com	•	•	otopograpny.			
meux 210 pts.	SUDIORAI	6a. Wetland Vegetation Communities.  Score all present using 0 to 3 scale.	Vegetation Communi 0	Absent or comprises <0.1ha (0.2	471 acres) continuous area			
		O Aquatic bed	1	Present and either comprises so				
		/ Emergent	·	vegetation and is of moderate	•			
		3 Shrub		significant part but is of low qu	slity			
		⊘ Forest	2	Present and either comprises sig				
				vegetation and is of moderate	quality or comprises a small			
		Olher	3	part and is of high quality  Present and comprises significant	ot next or more of welland's			
		6b. horizontal (plan view) Interspersion.	•	vegetation and is of high qualit				
		Select only one.						
		High (5)	Narrative Description	of Vegetation Quality	·			
		Moderately high(4)	low	Low spp diversity and/or predom				
		Moderate (3)  Moderately low (2)		disturbance tolerant native spe				
		Cow (1)	mod	Native spp are dominant compor although nonnative and/or distr				
		None (D)		can also be present, and speci	•••			
		6c. Coverage of invasive plants. Refer		moderately high, but generally	wio presence of rare			
		to Table 1 ORAM long form for list. Add		threatened or endangered spp				
		or deduct points for coverage	high	A predominance of native specie	•••			
		Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		and/or disturbance tolerant nati absent, and high spp diversity:	•			
		Sparse 5-25% cover (-1)		the presence of rare, threatene				
		X Nearly absent <5% cover (0)	<u> </u>		<del></del>			
		Absent (1)	Mudflat and Open Wa	ter Class Quality				
		6d. Microtopography.	0	Absent <0.1ha (0.247 acres)				
				Low 0.1 to <1ha (0.247 to 2.47 a	cres)			
		Score all present using 0 to 3 scale.	1	Bearings of the Adhes 20 47 to 0.00				
		Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88	3 acres)			
			2	Moderate 1 to <4ha (2.47 to 9.86 High 4ha (9.88 acres) or more	3 acres)			
		Vegetated hummucks/tussucks  Coarse woody debris >15cm (6ir	2	High 4ha (9.88 acres) or more	3 acres)			
		Vegetated hummucks/tussucks     Coarse woody debris >15cm (6ir     Standing dead >25cm (10in) dbh	2 3	High 4ha (9.88 acres) or more ver Scale Absent				
		Vegetated hummucks/tussucks     Coarse woody debris >15cm (6ir     Standing dead >25cm (10in) dbh	2 3 Microtopography Cox	High 4ha (9.88 acres) or more ver Scale Absent Present very small amounts or it				
	-	Vegetated hummucks/tussucks     Coarse woody debris >15cm (6ir     Standing dead >25cm (10in) dbh	Microtopography Cov	High 4ha (9.88 acres) or more ver Scale Absent Present very small amounts or it of marginal quality	more common			
_AT	-	Vegetated hummucks/tussucks     Coarse woody debris >15cm (6ir     Standing dead >25cm (10in) dbh	2 3 Microtopography Cov	rer Scale Absent Present very small amounts or if of marginal quality Present in moderate amounts, but	more common			
CAT	- Z-	Vegetated hummucks/tussucks     Coarse woody debris >15cm (6ir     Standing dead >25cm (10in) dbh	Microtopography Cov	High 4ha (9.88 acres) or more ver Scale Absent Present very small amounts or it of marginal quality	more common It not of highest lighest quality			

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.eh.us/dsw/401/401.html

wetland 234

Site: Mida	Metical	Rater(s): ML, L, B	Date: 5/1010)
2 2	Metric 1. Wetland	d Area (size)	
max 6 pts sublotal	Select one size class and assign scol	re. 0.2ha) (5 pts) ha) (4 pts) ) (3 pts) 2ha) (2pts)	
1, 114	7 =	buffers and surroundin	a land upo
max 14 pts. subiolai	2a. Calculate average buffer width.  WIDE. Buffers average 50 MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth of Surrounding land use LOW. Old field (>10 years) MODERATELY HIGH. Res	Select only one and assign score. Do not double on (164ft) or more around wetland perimeter (7) 25m to <50m (82 to <164ft) around wetland perimeter (9) 25m to <50m (32ft to <82ft) around wetland perimeter (10) around wetland perimeter (10) cscet one or double check and average. Select one or double check and average, older forest, prairie, savannah, wildlife area, etc. (1), shrubtand, young second growth forest. (5) idential, fenced pasture, park, conservation tillage ten pasture, row cropping, mining, construction. (1)	check.  neter (4)  imeter (1)  )  (7)  I, new fallow field. (3)
122 26 2			,
max 30 pts. subtotal	3a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lat 3c. Maximum water depth. Select or >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in)	apply.  3b. Connectivit  100 ye  Betwee  Part of  re or stream) (5)  Ily one and assign score.  (2)  3b. Connectivit  Part of  Part of  Reguli  Seaso	ly. Score all that apply. ear floodplain (1) een stream/lake and other human use (1) of wetland/upland (e.g. forest), complex (1) of riparian or upland corridor (1) undation/saturation. Score one or dol check. to permanently inundated/saturated (4) early inundated/saturated (3) onally inundated (2) onally saturated in upper 30cm (12in) (1) e.
	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	ditch point s	source (nonstormwater) grading ped/RR track ing
8 342	Metric 4. Habitat	Alteration and Develop	ment.
max 20 pts. subtotal	4a. Substrate disturbance. Score on None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or content of the second of th	e or double check and average.	
341	None or none apparent (9) Recovered (8) Recovering (3) Recent or no recovery (1)	Check all disturbances observed  mowing shrub/ grazing herbac i clearcutting sedim selective cutting dredgi woody debris removal farmin	

Site:	Middl	rfield	Rater(s):	ML.	LB	Date: 5 (6 0)
		1 .				•
	34'z					
	subtotal its pa	_ <b>.</b> j ge				
	Τ ,	1	•			
O	342	Metric 5. Spec	ial Wetland	s.	•	
max 10 pts.	leloidua	Check all that apply and score	as indicated.			
		Bog (10)				
		Fen (10) Old growth forest (10)	1			
		Mature forested wetla				,
		Lake Erie coastaVtrib	utary wetland-unrestricte	d hydrolog;	/ (10)	
		<del></del>	utary wetland-restricted	•	5)	
		Relict Wet Praires (10	ries (Oak Openings) (10 ))	,		
			-, ate/federal threatened o	endangere	d species (10)	
		Significant migratory	songbird/water fowl habi	tat or usage	(10)	
	<del></del>	Category 1 Wetland.	See Question 1 Qualita	tive Rating (	-10)	
_	39/2	Motric & Diant	communit	ioo in	terspersion, micr	otopodranhy
max 20 pts.		6a. Wetland Vegetation Comm			nity Cover Scale	otopograpny.
max zu pis.	sublotal	Score all present using 0 to 3 se		0 0	Absent or comprises <0.1ha (0.2	471 acres) contiguous area
		Aquatic bed		1	Present and either comprises sm	
		Emergent			vegetation and is of moderate	•
÷		∠ Shrub Forest		2	significant part but is of low qua Present and either comprises sig	
		Mudilats		2	vegetation and is of moderate	•
-		Open water	·		part and is of high quality	
		Other	<del></del>	3	Present and comprises significar	•
	-	6b. horizontal (plan view) Intensectionly one.	spersion.		vegetation and is of high qualit	<u> </u>
		High (5)	Narrative	Description	on of Vegetation Quality	
		Moderately high(4)		low	Low spp diversity and/or predom	inance of nonnative or
		Moderate (3)			disturbance tolerant native spe	
		Moderately low (2) Low (1)		mod	Native spp are dominant compor although nonnative and/or distu	
	•	None (0)			can also be present, and speci	• • • • • • • • • • • • • • • • • • • •
		6c. Coverage of invasive plants			moderately high, but generally	•
		to Table 1 ORAM long form for	list. Add		threatened or endangered spp	
		or deduct points for coverage  Extensive >75% cove	r (-5)	hìgh	A predominance of native specie and/or disturbance tolerant nat	
		Moderate 25-75% cov	• •		absent, and high spp diversity	
		-⊥ Sparse 5-25% cover (	·	_	the presence of rare, threatene	d, or endangered spp
	·	Nearly absent <5% co Absent (1)		A 14	Valan Olama Ossalita	
		6d. Microtopography.	Minninge	na Open v	Vater Class Quality Absent <0.1ha (0.247 acres)	<del></del>
		Score all present using 0 to 3 so	ale.	1	Low 0.1 to <1ha (0.247 to 2.47 a	cres)
		Vegetated hummucks		2	Moderate 1 to <4ha (2,47 to 9.8)	3 acres)
		Coarse woody debris Standing dead >25cm	` ' -	3	High 4ha (9.88 acres) or more	<del></del>
		Amphibian breeding p	, ,	ography C	over Scale	
				0	Absent	
				1	Present very small amounts or if	more common
				2	of marginal quality Present in moderate amounts, but	at not of highset
				Z	Present in moderate amounts, but quality or in small amounts of h	-
Ca	Hean	u TE	<del></del>	3	Present in moderate or greater a	
	- 'J"	y II		<del></del>	and of highest quality	
<b>રવ</b> ું-	GRANI	TOTA! (may 100 pt	e l			

Pr-N078 wetland 239

	Site:	Middl	okicu	Rater(s): ML.	LB	Date: 5/10/7
	1	1	Metric 1. Wetland	Area (size).		
,	max 6 pts.	-subfotal	Select 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  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  <0.1 acres (0.04ha) (0 pts)	.2ha) (5 pls) a) (4 pls) (3 pts) ha) (2pts)		
	8	9	Metric 2. Upland I	ouffers and s	urroundir	ng land use.
	max 14 pts.	Sulhiota:	2a. Calculate average buffer width. S  WIDE. Buffers average 50  HEMEDIUM. Buffers average 2  NARROW. Buffers average  VERY NARROW. Buffers average  VERY LOW. 2nd growth or LOW. Old field (>10 years),  MODERATELY HIGH. Resi L HIGH. Urban, industrial, ope	elect only one and assign so (164ft) or more around wet 5m to <50m (82 to <164ft) a 10m to <25m (32ft to <82ft) verage <10m (<32ft) around Select one or double check older forest, prairie, savanne shrubland, young second gr dential, fenced pasture, park	ore. Do not double and perimeter (7) around wetland perimeter (6) around wetland perimeter (6) and average. The wildlife area, etc. owth forest. (5) a conservation tillage.	check. meter (4) rimeter (1) 0) (7) e, new fallow field. (3)
	[1	20	Metric 3. Hydrolo	gy.		
	max 30 pts.	subiotal	3a. Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3)  I Precipitation (1) Seasonal/Intermittent surface Perennial surface water (take 3c. Maximum water depth. Select only 90.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1) 1 <0.4m (<15.7in) (1) 3e. Modifications to natural hydrologic None or none apparent (12) Recovered (7) Recent or no recovery (1)	e water (3) e or stream) (5) y one and assign score. 2)	3d. Duration in  3d. Duration in  2 Regul  Seasi Seasi Seasved	source (nonstormwater) /grading bed/RR track ging
	9	29	Metric 4. Habitat A	Alteration and	l Develop	ment.
•	max 20 pts.	subtotal	4a. Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or de None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	or double check and average  one and assign score.  Subjected and average.  Check all disturbances ob mowing grazing clearcutting	eserved shrub	/sapling removal
	)	29		selective culting woody debris remove toxic pollutants	dredg	ing Linux 35 PS 2

Site:	mie	Idlefield 1	Rater(s): mL	LB	Date: 5/10/07
	29 subtotal this pr		v		
0	29	Metric 5. Special W	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 wettar	nd-unrestricted hydrology	(10)	
		Lake Erie coastat/tributary wettar	id-restricted hydrology (5		
		Lake Plain Sand Prairies (Oak O	penings) (10)		
		Relict Wet Praires (10)	•		
		Known occurrence state/federal t	•		
		Significant migratory songbird/wa			
	<del>,</del>	Category 1 Wetland. See Questi	on 1 Qualitative Rating (-	10)	
15	34	BE-44 C Dient sons			_4
Ľ	77	Metric 6. Plant com	munities, in	terspersion, micr	οτοpograpny.
max 20 pts.	SUDTOTAL	<ol><li>6a. Wetland Vegetation Communities.</li></ol>	Vegetation Commu		
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.24	
		Aquatic bed	1	Present and either comprises sm	•
		Emergent		vegetation and is of moderate of	•
		Shrub		significant part but is of low qua	
		Forest Mudflats	2	Present and either comprises sign	•
		Open water	•	vegetation and is of moderate q	uanty or comprises a small
•		Other	3	part and is of high quality  Present and comprises significant	the design of well-adia
		6b. horizontal (plan view) Interspersion.	J	vegetation and is of high quality	•
		Select only one.		1 regulation and is divided decents	
		High (5)	Narrative Descriptio	n of Vegetation Quality	
		Moderately high(4)	low	Low spp diversity and/or predomin	nance of nonnative or
		Moderate (3)		disturbance tolerant native spec	
		Moderately low (2)	mod	Native spp are dominant compone	ent of the vegetation,
		Low (1)		aithough nonnative and/or distu-	bance tolerant native spp
		None (0)		can also be present, and specie	s diversity moderate to
ř		6c. Coverage of invasive plants. Refer		moderately high, but generallyw	lo presence of rare
		to Table 1 ORAM long form for list. Add	<u> </u>	threatened or endangered spp	
		or deduct points for coverage	high	A predominance of native species	•••
		Extensive >75% cover (-5)	•	and/or disturbance tolerant nativ	• •
		Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		absent, and high spp diversity a	• •
		O Nearly absent <5% cover (0)	<del></del>	the presence of rare, threatened	, or endangered spp
		Absent (1)	Mudflat and Open W	ater 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 2.47 ac	res)
		Vegetated hummucks/lussucks	2	Moderate 1 to <4ha (2.47 to 9.88	
		Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
		Standing dead >25cm (10in) dbh		·	·····
		Amphibian breeding pools	Microtopography Co	ver Scale	
			0	Absent	·
			1	Present very small amounts or if n	1019 СОЛУПТОЛ
				of marginal quality	
			2	Present in moderate amounts, but	
0.	_			quality or in small amounts of high	
Coste	yony	Ш_	3	Present in moderate or greater an	Durits
				and of highest quality	
.34	GRANI	D TOTAL(max 100 pts)			

Site: r	niddlefield	R	ater(s): ml.,	LB	Date: 5  (0 07
L.	18.5	ML-332			
	. 0	5. Special We	tlands.		
max 10 pts.		pply and score as indicated.			
	Bog (	-	-		
	Fen (	10) rowth forest (10)		•	
	<del></del> '	re forested wetland (5)	,	•	
	<del></del> 1	Erie coastal/tributary wetlend	-unrest <i>i</i> icted hydrology (1	0)	
		Erie coastal/tributary wetland			
		Plain Sand Prairies (Oak Ope	enings) (10)		
		l Wet Praires (10) In occumence state/federal thi	restance or endangered s	necies (10)	
		icant migratory songbird/wate	=		
	Categ	pory 1 Wetland. See Question	n 1 Qualitative Rating (-10	)	
, .	59.5 Metric 6	N Diametaan			-4
				erspersion, micr	otopograpny.
tax 20 pts.		egetation Communities.  If using 0 to 3 scale.	Vegetation Communit	Absent or comprises <0.1ha (0.2-	171 acras) continuous area
	_	lic bed	1	Present and either comprises sm	
	2 Emers	gent		vegetation and is of moderate of	uality, or comprises a
	Shrub			significant part but is of low qua	
	<u>C</u> Fores		2	Present and either comprises sig	•
	Mudfi	ats water	•	vegetation and is of moderate of part and is of high quality	uality or comprises a small
	Other		3	Present and comprises significan	part, or more, of wetland's
	6b. horizontal (	plan view) Intersp <b>ersion</b> .		vegetation and is of high quality	,
	Select only one.		M	**************************************	,
	High (	(5) ralely high(4)	Narrative Description	tow spp diversity and/or predomi	nance of populative or
		rate (3)	1011	disturbance tolerant native spec	
	Moder	rately low (2)	mod	Native spp are dominant compon-	ent of the vegetation,
	Low (1	· -		attrough nonnative and/or dishu	• •
	Mone 6c. Coversos o	(0) f invasive plants, Refer		can also be present, and species moderately high, but generallyw	=
	· · · · · · · · · · · · · · · · · · ·	M long form for list. Add		threatened or endangered spp	
	or deduct points	for coverage	high	A predominance of native species	, with nonnative spp
	· · · · · · · · · · · · · · · · · · ·	sive >75% cover (-5)		and/or disturbance tolerant natio	**
		rate 25-75% cover (-3) a 5-25% cover (-1)		absent, and high spp diversity a the presence of rare, threatened	
		absent <5% cover (0)			,
	Absen	ıl (1)	Mudflat and Open Wat		· <del>···········</del>
	6d. Microtopogr	• •	0	Absent <0.1ha (0.247 acres)	
	<del></del>	it using 0 to 3 scale. ated hummucks/tussucks	1 2	Low 0.1 to <1ha (0.247 to 2.47 ac Moderate 1 to <4ha (2.47 to 9.88	
		e woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more	
		ing dead >25cm (10in) dbh			······································
	1 Alamahi	ibian breeding pools	Microtopography Cove	<del></del>	
	-21 Ambai		0	Absent	
	- 21 Ampai		ſ	Present very small amounts or # :	HUNG CONTRUCTS
	_ A Ampan		1	Present very small amounts or if a of marginal quality	more continuer
			2	of marginal quality  Present in moderate amounts, bu	t not of highest
<b>O</b>	<b></b> ·		2	of marginal quality  Present in moderate amounts, bu quality or in small amounts of hi	t not of highest ghest quality
Cate	Oog II			of marginal quality  Present in moderate amounts, bu	t not of highest ghest quality

- 1				<del></del>	<del></del>			
	Site:	Midd	lefi	eld - First Stor	Rater(s): P	nL, LB		Date: 5/10/07
	J	1	M	etric 1. Wetland	Area (size	e).		wetland 231
	тах 6 різ.	Subtotat	Sele	act one size class and assign scon  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.1 to <20  10 to <25 acres (4 to <10.1 to  3 to <10 acres (1.2 to <4ha)  0.3 to <3 acres (0.12 to <1.2  1 0.1 to <0.3 acres (0.04 to <0  <0.1 acres (0.04ha) (0 pts)	0.2ha) (5 pts) na) (4 pts) (3 pts) tha) (2pts)		144	
	4	S	M	etric 2. Upland	buffers and	d surro	unding land u	se.
!	max 14 pts.	Subtotal	_	Calculate average buffer width. S WiDE. Buffers average 50n MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers a	elect only one and ass n (164ft) or more arour 25m to <50m (82 to <1 n 10m to <25m (32ft to	sign score. Do id wetland perii 64fl) around wi <82ft) around v	not double check. meter (7) atland perimeter (4) wetland perimeter (1)	
		·	2b.	Intensity of surrounding land use.  VERY LOW. 2nd growth or LOW. Old field (>10 years), MODERATELY HIGH. Resi HIGH. Urban, industrial, op.	older forest, prairie, sa shrubland, young sec dential, fenced pasture	vannah, wildlift ond growth fore s. park, consen	e area, etc. (7) est. (5) vation tillage, new fallow field.	(3)
	10	15		etric 3. Hydrolo				
	max 30 pis.	subtotal	3c.	Sources of Water. Score all that a High pH groundwater (5) Other groundwater (3) I Precipitation (1) Seasonal/Intermittent surface Perennial surface water (tak Maximum water depth. Select online 20.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (1) Modifications to natural hydrologic	e water (3) e or stream) (5) ly one and assign scor. (2) regime. Score one or	3d. e. r double check	Connectivity. Score all that a 100 year floodplain (1) Between stream/lake an I Part of wetland/upland (i Part of riparian or upland Duration inundation/saturation Semi- to permanently int Regularly inundated/satu Seasonally inundated (2 I Seasonally saturated in and average.	d other human use (1) e.g. forest), complex (1) d corridor (1) n. Score one or dbl check. undated/saturated (4) urated (3)
			3	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturband ditch tile dike weir stormwater in		point source (nonstormy filling/grading road bed/RR track dredging other	ater)
	8	23	M	etric 4. Habitat <i>i</i>	Alteration a	and De	velopment.	
1	Mex 20 pts.	subto tel	4a. 4b.	Substrate disturbance. Score one None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select only Excellent (7) Vary good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) Habitat alteration. Score one or development.	or double check and a one and assign score.	average.	•	
	)	L.)		None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbant mowing grazing Clearcutting selective cutting woody debris toxic pollutant	ng removal	shrub/sapling removal herbaceous/aquatic bed sedimentation dredging farming nutrient enrichment	removal,

ORAM V.	5.0 Fîeld Fo	нт Опал	tilative Rating			
Site:	Geau	حرير		Rater(s): ハル	B	Date: S/10107
	28	ide				
0	58	Met	ric 5. Special W	etlands.		
max 10 pts.	sublotal	Check	all that apply and score as indicated Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetla Lake Erie coastal/tributary wetla Lake Ptain Sand Prairies (Oak C Relict Wet Praires (10) Known occurrence state/federal Significant migratory songbird/w Category 1 Walland. See Ques	nd-unrestricted hydrology ( nd-restricted hydrology (5) )penings) (10) threatened or endangered ater fowl habitat or usage (	species (10) 10)	
6	34	Met	ric 6. Plant com	munities, int	terspersion, mici	otopography.
mex 20 pts.	subtotal	6a We	tland Vegetation Communities.	Vegetation Commun		··
		Score a	Il present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2	
			Aquatic bed	1	Present and either comprises so	•
		<u> </u>	Emergent		vegetation and is of moderate	,
-			Shrub		significant part but is of low qu	
		<u> </u>	Forest	2	Present and either comprises sig	= · · · · · · · · · · · · · · · · · · ·
		<u> </u>	Mudflats		vegetation and is of moderate	quality or comprises a small
•		 	Open water		part and is of high quality	
	_	Sh har	Otherizontal (plan view) Interspersion.	3	Present and comprises significan	-
			niy one.	<u> </u>	vegetation and is of high qualit	.7
			High (5)	Nacrative Description	of Vegetation Quality	
			Moderately high(4)	low	Low spp diversity and/or predom	inance of connative or
			Moderate (3)		disturbance tolerant native spe	
			Moderately low (2)	mod	Native spp are dominant compor	
			Low (1)		although nonnative and/or dist	urbance tolerant native spp
	•		None (0)		can also be present, and speci	es diversity moderate to
		6c. Cov	rerage of invasive plants. Refer		moderately high, but generally	w/o presence of rare
		to Table	1 ORAM long form for list. Add		threatened or endangered spp	
		or dedu	cl points for coverage	high	A predominance of native specie	is, with nonnative spp
		<u> </u>	Extensive >75% cover (-5)		and/or disturbance tolerant nat	ive spp absent or virtually
			Moderate 25-75% cover (-3)		absent, and high spp diversity	
			Sparse 5-25% cover (-1)		the presence of rare, threatene	nd, or endangered spp
		}	Nearly absent <5% cover (0)	Mandilat and A	nhan Plana Caroliti	
		Ad Min	Absent (1) retopography.	Mudflat and Open Wa		<del></del>
		_	present using 0 to 3 scale.	0	Absent <0.1ha (0.247 acres)	crae\
			Vegetated hummucks/tussucks	2	Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8	
		<del>                                    </del>		·	THE COURSE IN THE CO. T. IN T. O. D.	r 20143}

Category II.

GRAND TOTAL(max 100 pts)

Standing dead >25cm (10in) dbh
Amphibian breeding pools

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.ph.us/dsw/401/401.html

Microtopography Cover Scale

2

3

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

ORAM v. 5.0 Field Form Quantitative Rating JK-0510-1 Rater(s): JGK+BGP Site: Date: a5-10-67 Metric 1. Wetland Area (size). Selectione 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) 8 Metric 2. Upland buffers and surrounding land use. 2a. Calculate average buffer width. Salect only one and assign score. Do not double check. WIDE. Buffers average 50m (184ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland permeter (1) VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) K LOW. Old field (>10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. 3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wetland/upland (e.g. jorest), complex (1) Seasonal/Intermittent surface water (3) Part of riparien or upland corridor (1) Perennial surface water (lake or stream) (5) Duration inundation/saturation. Score one or dbl check. 3c. Maximum water depth. Select only one and assign score. Semi- to permanently inundated/saturated (4) Regularly inundated/saturated (3) >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally inundated (2) Seasonally saturated in upper 30cm (12in) (1) <0.4m (<15.7in) (1) Modifications to natural hydrologic regime. Score one or double check and average. None or none apparent (12) Check all disturbances observed Recovered (7) dilch point source (Ponstormwater) Recovering (3) tile filling/grading cike Recent or no recovery (1) road bed/RR irack veid dredging other stormwater input Metric 4. Habitat Alteration and Development. rate disturbance. Score one or double check and average. max 20 pic. None or none apparent (4) Recovered (3) - Y o a d Recovering (2) Recent or no recovery (1) Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat atteration. Score one or double check and average None or none apparent (9) Check all disturbances observed Recovered (6) 4 955 mowing shrub/sapting removal grazing herbaceous/squatic bed removal Recovering (3) Recent or no recovery (1) cisarcuiting sedimentation selective cutting dredging woody debris removal farmino

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Supportal Priss	Phys		
0 39	Metric 5. Special We	tiands.	
ix 10 pts, subtotal	Check all that apply and score as indicated.  Bog (10)		
	Fen (10)  Old growth forest (10)  Makure forested wetland (5)  Lake Erie coastal/tributary wetland Lake Erie coastal/tributary wetland		<del></del> :
	Lake Plain Sand Prairies (Oak Op Relict Wet Praires (10) Known occurrence state/lederal th	enings) (10) reatened or endanger	red species (10)
<u> </u>	Significant migratory songbird/weit  Category 1 Wetland. See Questio	n 1 Qualitative Rating	(-10)
2 4	Metric 6. Plant comm 6a. Wesland Vegetation Communities.	· ·	nterspersion, microtopography
t 20 pts. subtotal	Score all present using 0 to 3 scale.	Vegetation Comm	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	O Aquatic bed	1	Present and either comprises small part of wetland's
	Emergent		vegetation and is of moderate quality, or comprises a
	O Shrub		significant part but is of low quality
	0 Foxest	2	Present and either comprises significant part of wetland's
			vegetation and its 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
	6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
	Select only one.		
	High (5)	Narrative Descrip	tion of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)		disturbance tolerant native species
	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
	6c. Coverage of invasive plants. Refer		moderately high, but generallywlo presence of rare
	to Table 1 ORAM long form for list. Add		threatened or endangered app
	or deduct points for coverage	high	A predominance of native species, with nonnative spp
	Extensive >75% cover (-5)		and/or disturbance tolerant native app 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)	Muriflat and Onen	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 < the (0.247 to 2.47 acres)
	Vegetated hummucks/lussucks	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 common
:			of marginal quality
		2	Present in moderate amounts, but not of highest
- AT	•		quality or in small amounts of highest quality
CAT		3	Present in moderate or greater amounts
U		-	and of highest quality

Refer to the cass secret QRAM Score Calibration Report for the appling breakpoints between wetland categories at the followine address: http://www.cos.state.on.us/dswidth/46/j.html

	Date:				
	Site:		510-2	Rater(s):	I am orange
	٥	0	Metric 1. Wetla	•	
	max 6 pts.	sydptokal	Select one size class and assign  >50 acres (>20.2ha) (6  25 to <50 acres (10 1 to  10 to <55 acres (4 to <  3 to <10 acres (1.2 to <  0.3 to <3 acres (0.12 to  0.1 to <0.3 acres (0.04 to <	pts) o <20 2ha) (5 pts) 10.1ha) (4 pts) :4ha) (3 pts) o <1.2ha) (2pts) to <0.12ha) (1 pt)	
	4	Ц	Metric 2. Uplan	d buffers and surroun	ding land use.
	max 14 pls.	subtatal	2a. Calculate average buffer widl  MOE. Buffers average MEDIUM. Buffers aver NARROW. Buffers aver VERY NARROW Buffers 2b. Intensity of surfounding land VERY LOW. 2nd grow LOW. Old field (>10 ye MODERATELY HIGH.	th. Select only one and assign score. Do not dispersion of the selection o	puble check. (7) I perimeter (4) nd perimeter (1) eter (0) a, etc. (7) ) tillage, new failow field. (3)
	14	18	Metric 3. Hydro	ology.	
)	max 30 pfs.	subiotal	3a. Sources of Water. Score all High pH groundwater (3) Cother groundwater (3) Precipitation (1) Seasonal/Intermittent si Perennial surface water 3c. Maximum water depth. Selection (27.6in) (3) 0.4 to 0.7m (15.7 to 27. Co.4m (<15.7in) (1)	thal apply. 3b. Conr 5) urface water (3) r (take or stream) (5) 3d. Dura ct only one and assign score.	nectivity. Score all that apply.  100 year floodplain (1)  Between stream/lake and other human use (1)  Part of welland/upland (e.g. forest), complex (1)  Part of riparian or upland corridor (1)  filion inundation/saturation. Score one or dbl check.  Semi- to permanently inundated/saturated (4)  Regularly inundated/saturated (3)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12in) (1)  iverage.
* **	, i		Mone or none apparent Recovered (7) Recovering (3) Recent or no recovery (	ditch tile dike	point source (nonstormweter) filling/grading road bed/RR track dredging other
	12.	30	Metric 4. Habita	at Alteration and Devel	onment.
1	тақ 20 pt9.	subtolat	4a. Substrate disturbance. Score None or none apparent Recovered (3) Recovering (2) Recent or no recovery ( 4b. Habitat development. Select Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3)	e one or double check and average. (4)	
			Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one		
		30	None or none apparent Recovered (6) Recovering (3) Recent or no recovery (	mowing grazing deercutting salective cutting woody debris removal	shrub/sapling removal herbaceous/aquatic bed removal sedimentation dredging farming nutrient enrichment

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0 30	Matric C. Cuccial M	U.Almada	
<u> </u>	_Metric 5. Special V		,
ax viD pits. subfotal	Check all that apply and score as indicat	ed.	•
	Bog (10) Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastat/inbutary wet	land-unrestricted hydrolog	y (10)
	Lake Erie coastal/tributary wet	land-restricted hydrology (	5)
	Lake Plain Sand Prairies (Oak	Openings) (10)	
	Relict Wet Praires (10)		and the same
	Known occurrence state/federe Significant migratory songbird/	_	• •
	Category 1 Welland. See Que	•	
/ 3/	<b>—</b>	_	· ·
6 36	<sup>2</sup>  Metric 6. Plant con	nmunities. ir	nterspersion, microtopography
ex 20 pts. subtotal	Ga. Wetland Vegetation Communities.	Vegetation Commi	unity Cover Scale
	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1he (0,2471 acres) configuous area
	Aquatic bed	1	Present and either comprises small part of wetland's
	Emergent		vegetation and is of moderate quality, or comprises a
	3 Ø Forest	2	significant part but is of low quality
-	O Muditats	2	Present and either comprises significant part of wetland's 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 welland's
	6b. horizontal (plan view) Interspersion.		vegelation and is of high quality
	Select only one.		
	High (5)		ion of Vegetation Quality
	Moderately high(4)  Moderate (3)	low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	LOW (1)		although nonnalive 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
	to Table 1 ORAM long form for list. Add		Ihreatened or endangered spp
	or deduct points for coverage Extensive >75% cover (-5)	high	A predominance of native species, with nonnative app 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)		Water Class Quality
			Absent <0.1ha (0.247 acres)
	6d. Microtopography	0	
	6d. Microtopography.  Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks	1 2	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
2	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummicks/tussucks	\$ 2 9in) 3	Low 0.1 to <1ha (0.247 to 2.47 acres)
	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummicks/tussucks  2 Coarse woody debris >15cm (6	\$ 2 9in) 3	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more
	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  2 Coarse woody debris > 15cm (6  Standing dead > 25cm (10in) di	s 2 Sin) 3 Son Microtopography 0	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  cover Scale  Absent
	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  2 Coarse woody debris > 15cm (6  Standing dead > 25cm (10in) di	s 2 Bin) 3 bh Microtopography (	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  cover Scale  Absent  Present very small amounts or if more common
	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  2 Coarse woody debris > 15cm (6  Standing dead > 25cm (10in) di	s 2 Sin) 3 bh Microtopography 0	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  cover Scale  Absent  Present very small amounts or if more common of marginal quality
.2	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debris >15cm (6 Standing dead >25cm (10in) dt  Amphibian breeding pools	s 2 Sin) 3 Son Microtopography 0	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  over Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest
.2	6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  2 Coarse woody debris > 15cm (6  Standing dead > 25cm (10in) di	s 2 Sin) 3 bh Microtopography 0	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)  High 4ha (9.88 acres) or more  cover Scale  Absent  Present very small amounts or if more common of marginal quality

Refer to the stock recent ORAM Score Calibration France to the section broadcasts believed method relevant colored as the transfer of the section of the section broadcasts believed as the transfer of the section of t

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	_			580W-79
Site: <sub>~</sub>	v. adlo	field Rater(s): ML + BP		Date: 05-31-0
3	<u> </u>	Metric 1. Wetland Area (size).		
	<u> </u>	· · · · · · · · · · · · · · · · · · ·		MB-8
6 pts	subtotal	Select one size class and assign score. >50 acres (>20.2ha) (6 pts)		7
		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)		
	2	0.3 to <3 acres (0.12 to <1.2ha) (2pts)		
	-	0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt)		
	<del>, ,                                    </del>	<0.1 acres (0.04ha) (0 pts)		
<u> </u>		Metric 2. Upland buffers and surro	•	whin about
max 14 pts.	sublotal	2a. Calculate average buffer width. Select only one WIDE. Buffers average 50m (164ft) or more around we	•	lubie check.
		MEDIUM. Buffers average 25m to <50m (82 to <164ft)	around wetland perimeter (4)	
	į	NARROW. Buffers average 10m to <25m (32ft to <82ft VERY NARROW. Buffers average <10m (<32ft) aroun		1
		2b. Intensity of surrounding land use. Select one of		
		VERY LOW. 2nd growth or older forest, prairie, savann LOW. Old field (>10 years), shrubland, young second it		
	3	MODERATELY HIGH. Residential, fenced pasture, pa		low field. (3)
		HIGH. Urban, industrial, open pasture, row cropping, m	nining, construction. (1)	
	17_	Metric 3. Hydrology.		
max 30 pts.	subtota!		b. Connectivity. Score all that	t apply.
			00 year floodplain (1) Setween stream/lake and other i	human use (1)
	.1	Precipitation (1)	Part of wetland/upland (e.g. fore	st), complex (1)
	٩		art of riparian or upland corrido	er (1) ation. Score one or dbl check.
	·	3c. Maximum water depth. Select one.	emi- to permanently inundated	
			Regularly inundated/saturated (3 Seasonally inundated (2)	3)
_	1		seasonally muridated (2) Seasonally saturated in upper 30	0cm (12in) (1)
		3e. Modifications to natural hydrologic regime. Sco		
			heck all disturbances observ	/ed  point source (nonstormwater)
	3	hand hand		filling/grading
			ike	road bed/RR track
			veir stormwater input	dredging
	l O d	Metric 4. Habitat Alteration and De	·	•
max 20 pts.	24 subtotal	4a. Substrate disturbance. Score one or double che	•	
•		None or none apparent (4)		
	7	Recovered (3) Recovering (2)		
	2	Recent or no recovery (1)		
		4b. Habitat development. Select only one and assig	n score.	
		Excellent (7) Very good (6)		
		Good (5)		
		Moderately good (4) Fair (3)		
	$\gamma$	Poor to fair (2)		
	Com.	Poor (1)		
		4c. Habitat alteration. Score one or double check ar None or none apparent (9)	nd average. Theck all disturbances observed	<u>.</u>
	2	Recovered (6)	nowing	shrub/sapling removal 🕴 😘
	3			herbaceous/aquatic bed removal ** sedimentation
				seamentation dredging
		w	oody debris removal	farming
1		K	oxic pollutants	nutrient enrichment

Site:			Rater(s):		Date:	
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	2	J				
	subtotal this	page				
$\circ$	24	7	Metric 5. Special Wetlands.			
max 10 pts.	subtotal		Check all that apply and score as ind	licate	d.	
			Bog (10)		5 0	
			Fen (10)			
			Old growth forest (10)			
	0		Mature forested wetland (5)			
		-	Lake Erie coastal/tributary wetland-unrestricte Lake Erie coastal/tributary wetland-restricted l			
		<b></b>	Lake Plain Sand Prairies (Oak Openings) (10)	-	3gy (5)	
		<b></b>	Relict Wet Praires (10)	,		
			Known occurrence state/federal threatened or	endar	ngered species (10)	
			Significant migratory songbird/water fowl habi			
			Category 1 Wetland. See Question 5 Qualitati	ive Rat	ting (-10)	
_3	27		Metric 6. Plant communities,	, inte	erspersion, microtopography.	
max 20pts.	subtotal		6a. Wetland Vegetation Communit	ies.	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	1	Present and either comprises small part of wetland's 1	
			Emergent Shrub		vegetation and is of moderate quality, or comprises a significant part but is of low quality	
	2	1	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.			
		<u> </u>	High (5) Moderately high(4)		Narrative Description of Vegetation Quality	_
			Moderate (3)		Low spp diversity and/or predominance of nonnative or low disturbance tolerant native species	
		ļ	Moderately low (2)		Native spp are dominant component of the vegetation, mod	
	}	X	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) Moderate 25-75% cover (-3)		and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always,	
			Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp	
	0		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 2.47 acres)	
			Vegetated hummucks/tussucks	_	Moderate 1 to <4ha (2.47 to 9.88 acres)	
			Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	3	High 4ha (9.88 acres) or more	
		_	Amphibian breeding pools		Microtopography Cover Scale	
		اليكا		0	Absent	
				1	Present very small amounts or if more common	
	_	-			of marginal quality	
	+	ل	<b></b>	2	Present in moderate amounts, but not of highest	
					quality or in small amounts of highest quality	
01	GKAND	IO	ΓAL(max 100 pts)	3	Present in moderate or greater amounts	
					and of highest quality	

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Site: N	$\chi$ , ad	etiela	Rater(s): ML	+ R6			Date: かろ・31・0つ
2	4	Metric 1.	Wetland Area (	size).			Pr-w084
6 pts	suptofal	Select one si >50 acres (>2 25 to <50 acre 10 to <25 acre 3 to <10 acres 0.3 to <3 acre	ze class and assign sco (0.2ha) (6 pts) es (10.1 to <20.2ha) (5 pt es (4 to <10.1ha) (4 pts) s (1.2 to <4ha) (3 pts) s (0.12 to <1.2ha) (2pts) res (0.04 to <0.12ha) (1 p	are. s)		MB-9	
6	9	Metric 2.	<b>Upland buffers</b>	and sur	rounding land u	se.	
max 14 pts.	subtotal	WIDE. Buffers MEDIUM. Buff NARROW. Bu	s average 50m (164ft) or i fers average 25m to <50r iffers average 10m to <25	more around n (82 to <164 5m (32ft to <8	ne and assign score. Do wetland perimeter (7) fft) around wetland perime 32ft) around wetland perimeter (0)	iter (4) leter (1)	
	5	VERY LOW. 2 LOW. Old field MODERATEL	2nd growth or older forest d (>10 years), shrubland, Y HIGH, Residential, fend	, prairie, sava young secon ced pasture,	e or double check and av annah, wildlife area, etc. (7 id growth forest. (5) park, conservation tillage, , mining, construction. (1)	7)	
12	21	Metric 3.	Hydrology.				
max 30 pts.	subtotat	High pH groun Other groundv Precipitation ( Seasonal/Inter Perennial surfa	vater (3) 1) mittent surface water (3) ace water (lake or stream water depth. Select one	)(5)	3b. Connectivity. Score 100 year floodplain (1) Between stream/lake and Part of wetland/upland (e Part of riparian or upland 3d. Duration inundation Semi- to permanently inu	d other human use (1 e.g. forest), complex ( corridor (1) n/saturation. Score (4)	1) one or dbl check.
	Į	<0.4m (<15.7ii 3e. Modificati	5.7 to 27.6in) (2) n) (1) <b>ons to natural hydrolog</b>	j E	Regularly inundated/satu Seasonally inundated (2) Seasonally saturated in u core one or double chec	ipper 30cm (12in) (1) k and average.	,
	3	Recovered (7)  Recovering (3)  Recent or no re	)		Check all disturbances ditch tile dike weir stormwater input	point source filling/grading road bed/RR	track
0.2	27	Netric 4.	Habitat Alteration	— on and ſ		Evilla .	2 unkyold
max 20 pts.	subtotal	4	disturbance. Score one		•	<b>X</b> **	
	2	None or none : Recovered (3) Recovering (2) Recent or no re 4b. Habitat de Excellent (7) Very good (6)		one and ass	sign score.		
	\	Good (5)  Moderately good Fair (3) Poor to fair (2) Poor (1)		ouhle check	and average		•
	3	None or nane a Recovered (6) Recovering (3) Recent or no re	apparent (9)	X	Check all disturbances of mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	shrub/sapling	quatic bed removal 1

ite:		Rater(s):		Date:	
12	2				
subtotal	this page				
D 2		Metric 5. Special Wetlands.		mB-9	
10 pls. subtotal		Check all that apply and score as ind	licate	ed.	
	-	Bog (10) Fen (10)			
	<del></del>	Old growth forest (10)			
		Mature forested wetland (5)			
	<b>—</b>	Lake Erie coastal/tributary wetland-unrestricte			
	-	Lake Erie coastal/tributary wetland-restricted l Lake Plain Sand Prairies (Oak Openings) (10)	_	ogy (5)	
		Relict Wel Praires (10)	•		
	-	Known occurrence state/federal threatened or			
	$\vdash$	Significant migratory songbird/water fowl habit Category 1 Wetland, See Question 5 Qualitate		<del></del>	
2 74	<b>₹</b>	* * _ · · · · ·		erspersion, microtopography.	
Opts. subtotel	<del> </del>	6a. Wetland Vegetation Communit		Vegetation Community Cover Scale	
	<u></u>	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 1	
	12	Emergent Shrub		vegetation and is of moderate quality, or comprises a significant part but is of low quality	
2	<u>  ~</u>	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 Other	3	part and is of high quality  Present and comprises significant part, or more, of wetland's 3	
	<u> </u>	6b. horizontal (plan view) Interspersion.	3	vegetation and is of high quality	
•		Select only one.		• • • •	
	<b>_</b>	High (5)		Narrative Description of Vegetation Quality	
	<u> </u>	Moderately high(4)  Moderate (3)		Low spp diversity and/or predominance of nonnative or low disturbance tolerant native species	•
		Moderately low (2)		Native spp are dominant component of the vegetation, mod	
1	X	Low (1)		aithough nonnative and/or disturbance tolerant native spp	
·	<b>L</b>	None (0)  6c. Coverage of invasive plants. Refer		can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare	
		Table 1 ORAM long form for list. Add		threatened or endangered spp to	
	r <del>57</del>	or deduct points for coverage		A predominance of native species, with nonnative spp high	
4		Extensive >75% cover (-5) Moderate 25-75% cover (-3)		land/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always,	
1	<u> </u>	Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp	
		Nearly absent <5% cover (0)			
	L	Absent (1) 6d. Microtopography.	0	Mudflat and Open Water Class Quality Absent <0.1ha (0.247 acres)	
		Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 acres)	
	Ö	Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)	
		Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh	3	High 4ha (9.88 acres) or more	
	<u> </u>	Amphibian breeding pools		Microtopography Cover Scale	
		-	0	Absent	
_	•	-	1	Present very small amounts or if more common of marginal quality	
( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. بر		2	Present in moderate amounts, but not of highest	
				quality or in small amounts of highest quality	
Y GRAN	ND TO	TAL(max 100 pts)	3	Present in moderate or greater amounts	
				and of highest quality	
					4

Metric 1. Wetland Area (size).  Selections are closes and assign some  1-50 parts (270 pill (6 flots)  1-50 parts (270 pill (6	Site:	RT-0531-12	Rater(s):	Report	Date:	5/3,107
Selection to set cities and assign some    Selection	2 3	Metric 1 Wetlan	d Area (siz	/ - 4 e)		
## Work   Water   20   Calculate average buffer width   Select only one and assign score   Do not gouble check   VNOC   Buffer average 50m (1641) or more around welland permitter (?)   VREDITION   Sulfers average 10m (1641) or more around welland permitter (*)   VREDITION   Sulfers average 10m (1641) or more around welland permitter (*)   VREDITION   Sulfers average 10m (1641) or well all accord welland permitter (*)   VREDITION   Sulfers average 10m (1641) or welland permitter (*)   VREDITION   Sulfers average 10m (1641) or welland permitter (*)   VREDITION   Sulfers average 10m (1641) or welland permitter (*)   VREDITION   VREDITION		Select one size class and assign so >50 acres (>20 2ha) (6 pt 25 to <50 acres (10 1 to < 10 to <25 acres (4 to <10 × 10 × 3 to <10 acres (1 2 to <4h 0 3 to <3 acres (0 12 to <10 0 1 to <0 3 acres (0 04 to <10 0 1 to <0 3 acres (0 04 to <10 0 1 to <0 3 acres (0 04 to <0 0 1 to <0 0 3 acres (0 04 to <0 0 1	ore s) (20 2ha) (5 pts) (ha) (4 pts) (a) (3 pts) (1 2ha) (2pts) <0 12ha) (1 pt)	<b>G</b> ).		
### Work if pris ### Work is a price of the	7/10	Metric 2 Unland	buffers an	d surrounding	land use	
Metric 3. Hydrology.  3 Sources of Water Score all that apply figh phyt groundwater (3)	<u> </u>	2a Calculate average buffer width WIDE Buffers average 5: MEDIUM Buffers average NARROW Buffers average VERY NARROW Buffers 2b Intensity of surrounding land us VERY LOW 2nd growth LOW Old field (>10 years MODERATELY HIGH Re	Select only one and a 9m (164ft) or more arouse 25m to <50m (82 to	ssign score. Do not double checkind wetland perimeter (7): 164ft) around wetland perimeter (82ft) around wetland perimeter around wetland perimeter (0): the check and average savannah, wildlife area, etc. (7): cond growth forest. (5) tre, park, conservation tillage, ne	ck r (4) er (1)	
was ve pus wirroud 3a Sources of Water Soore all that apply High perforondwater (5) Cother groundwater (5) Cother groundwater (5) Cother groundwater (6) Cother groundwater (7) Presignation (1) Performance water (7) Performance water (8) Perfo	11/24	7 7		sing. Himmig. Construction (1)		
Recovered (7) Recovering (3) Recent or no recovery (1)  Metric 4. Habitat Alteration and Development.  4a. Substrate disturbance. Score one or double check and average.  None or none apparent (4) Recovered (3) Recent or no fecuvery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovered (6) R	mas 20 pts suntotal	3a Sources of Water Score all the High pff groundwater (5) Other groundwater (3) Precipilation (1) Seasonal/Intermittent surf Perennial surface water (b 3c Maximum water depth Select of 50 7 (27 6in) (3) 0 4 to 0 7m (15 7 to 27 6in) (1)	at apply  ace water (3)  ake or stream) (5)  only one and assign sco	Too year a service and the ser	floodplain (1) stream/lake and other hum stland/upland (e.g. forest), i arian or upland comdor (1) ation/saturation. Score on permanently inundated/sati inundated/saturated (3) y inundated (2)	complex (1) ) e or dbl check urated (4)
### Assignation of the content of th		Recovered (7) Recovering (3)	ditch tile dike weir	point souri filling/grad road bed/fi dredging	ling	
48. Substrate disturbance. Score one or double check and average.    None or none apparent (4)   Recovered (3)	7 21	Metric 4. Habitat	Alteration	and Developme	ent.	
Recovered (6) Recovering (3) Recent ormo recovery (1)	max 20 prs sublotal	4a. Substrate disturbance. Score o  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)	ne or double check and ) oly one and assign score	average.		
Recovering (3) Recent ormo recovery (1)		None or none apparent (9)	Check all disturba	nces observed	ling removal	
	<u> </u>	Recovering (3)	grazing dearcutting selective cut	herbaceou sedimenta dredging	is/aquatic bed removal	The state of

Site:	RT 053 12 F	Rater(s):	Rps 4	Date: 5/3/
	71 033	tatoi(b).		15ato. 5 / 5 / 5
Subjects) (his	, page			
3 / 3 pls subtota	Metric 5. Special Will Check all that apply and score as indicated			
z to pris sucron	Bog (10)			
	Fen (10)			
	Old growth forest (10)			
	Mature forested wetland (5)			
	Lake Erie coastal/tributary wetlan	d-unrestricted hydrolo	gy (10)	
	Lake Erie coastal/tributary wettan		(5)	
	Lake Plain Sand Prairies (Oak O	oenings) (10)		
	Relict Wet Praires (10)			
	Known occurrence state/federal to Significant migratory songbird/wa	_	•	
	Category I Welland. See Questi	· ·	· · · · · · · · · · · · · · · · · · ·	
<u> </u>		an a manufacture resident	1(10)	
-1 127	Metric 6. Plant comi	munities, i	nterspersion, mici	rotopography
iax 20 prs sublota			unity Cover Scale	
	Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.1	2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises sr	nall part of wetland's
	I Emergent		vegetation and is of moderate	quality, or comprises a
	Shrub		significant part but is of low qu	atily
	Forest	2	Present and either comprises si	-
	Mudflats		vegetation and is of moderate	quality or comprises a small
	Open water Other	3	part and is of high quality  Present and comprises significa	at and or more of walland's
	6b. horizontal (plan view) Interspersion	3	vegetation and is of high quali	•
	Select only one			·
	High (5)	Narrative Descrip	tion of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predon	inance of nonnative or
	Moderate (3)		disturbance tolerant native spe	cies
	Moderately low (2)	mod	Native spp are dominant compo	
	Low (1)		although nonnative and/or dist	• •
	None (0)  6c. Coverage of invasive plants. Refer		can also be present, and spec	
	to Table 1 ORAM long form for list. Add		moderately high, but generally Ihreatened or endangered spp	•
	or deduct points for coverage	high	A predominance of native specie	
	Extensive >75% cover (-5)	•	and/or disturbance tolerant nat	
	Moderate 25-75% cover (-3)		absent, and high spp diversity	and often, but not always,
	Sparse 5-25% cover (-1)		the presence of rare, threatene	ed, or endangered spp
	Nearly absent <5% cover (0)			
	Absent (1)		Water Class Quality	
	6d. Microtopography.  Score all present using 0 to 3 scate.	- 0	Absent <0.1ha (0.247 acres)	
	Vegetated hummucks/tussucks	1	Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8	<del></del>
	Coarse woody debris > 16cm (6in)		High 4ha (9.88 acres) or more	o acresy
	Standing dead >25cm (10in) dbh			
	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, b	T
Cat M	Marie Com		quality or in small amounts of t	
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3	Present in moderate or greater a	mounts
	The section of the se		and of highest quality	

Site:		RT - 05 31-1, Rater(s): Repark Date: 5/3,/07
1	l	Metric 1. Wetland Area (size).
mas u pts	zeabit⊾et,et	Selectione 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)  o 1 to <0 3 acres (0 04 to <0 12ha) (1 pt)  <0 1 acres (0 04ha) (0 pts)
12	13	Metric 2. Upland buffers and surrounding land use.
max 14 pts	Sulvida	2a Calculate average buffer width. Selectionly one and assign score. Do not double check  WIDE Buffers average 50m (164ft) or more around wetland perimeter (7)  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)  2b Intensity of surrounding land use. Selectione or double check and average.  VERY LOW 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)  LOW Old field (>10 years), shrubland, young second growth forest. (5)  MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field (3)  HIGH Urban, industrial, open pasture, row cropping, minning, construction. (1)
17	30	Metric 3. Hydrology.
max 30 prs	SUNGIAL	3a Sources of Water Score all that apply  High pH groundwater (5)  Other groundwater (3)  Preopilation (1)  Seasonal/Intermitient surface vister (3)  Perennial surface water (lake or stream) (5)  Maximum water depth Select only one and assign score  >0 7 (27.6in) (3)  0 4 to 0 7m (15 7 to 27 6in) (2) <a href="#">Connectivity Score all that apply</a> 100 year floodplain (1)  Between stream/lake and other human use (1)  Part of wetland/upland (e.g. forest), complex (1)  Part of inparian or upland corridor (1)  Duration inundation/saturation. Score one or dbl check  Semi- to permanently inundated/saturated (4)  Regularly inundated/saturated (3)  Seasonally inundated (2)  Seasonally saturated in upper 30cm (12in) (1)  3e Modifications to natural hydrologic regime. Score one or doubte check and average.
		Recovered (7)   Check all disturbances observed
U	41	Metric 4. Habitat Alteration and Development.
Mex 20 pts	subrotat	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)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  4c. Habitat alteration. Score one or double check and average.
	41	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)  Check all disturbances observed  mowing grazing herbaceous/aquatic bed removal clearcutting selective cutting woody debris removal toxic pollutants  nutrient enrichment

Site:		RT	-0531-11	Rater(s):	Repost	Date: 5/3//
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	4/					
sub	total this ga	_r }e				
		1				
01	41	Me	etric 5. Specia	al Wetlands.	_	
max 10 pts	sublotal	-	k all that apply and score as i			
- •		Ī	Bog (10)			
		[	Fen (10)			
			Old growth forest (10)			
		1	Mature forested wetland	(5)		
		ļ	Lake Erie coastal/tributar	=	- <del>-</del> : :	
		- 1	Lake Erre coastal/tributar	•	rology (5)	
		ŀ	Lake Plain Sand Prairies	(Oak Openings) (10)		
		ŀ	Relict Wet Praires (10) Known occurrence state/	fodoral threatened or an	dangered species (10)	
		ŀ	Significant migratory son			
		ľ	Category 1 Wetland. Se	~		
. 1		ו ו				
4	47	Me	tric 6. Plant o	communitie:	s, interspersion	, microtopography.
max 20 pts	sublatat	-	Vetland Vegetation Communit		Community Cover Scale	,
			all present using 0 to 3 scale			<0 tha (0 2471 acres) contiguous area
		$\Lambda$	Aquatic bed	1	Present and either of	omprises small part of wetland's
			Emergent		vegetation and is o	of moderate quality, or comprises a
		-	Shrub	<u> </u>	significant part but	is of low quality
		-	Forest	2		omprises significant part of wetland's
		- }	Mudflats			of moderate quality or comprises a small
		ŀ	Open water	3	part and is of high :	es significant part, or more, of wetland's
		6b h	orizontal (plan view) Intersper		vegetation and is o	•
			t only one		70g0,0110N =N2 12 4	
			High (5)	Narrative De	escription of Vegetation Quality	
			Moderately high(4)	lov		d/or predominance of nonnative or
		1	ص Moderate (3)		disturbance toleran	nt native species
		Ļ	Moderately low (2)	mo	d Native spp are domin	nant component of the vegetation.
		}	Low (1)		*	and/or disturbance tolerant native spp
		_ L	None (0)	<b>\</b> _		it, and species diversity moderate to
			overage of invasive plants. Fi de 1 ORAM long form for list.		threatened or enda	ut generallyw/o presence of rare
			fuct points for coverage	hig		ative species, with nonnative spp
		Γ	Extensive >75% cover (-5	_	l '	tolerant native spp absent or virtually
			Moderate 25-75% cover i	-		op diversity and often, but not always.
			Sparse 5-25% cover (-1)		the presence of ran	e, threatened, or endangered spp
		<u> </u>	Nearly absent <5% cover		•	
		L	Absent (1)	Mudflat and	Open Water Class Quality	
			licrotopography	0		<del></del>
		Score	all present using 0 to 3 scale  1 Vegetated hummucks/tus			
		H	Coarse woody debris >15			
		f	Standing dead >25cm (10		Trailing 400 for on profess	S an arresta
		<b> </b>	Amphibian breeding pools	•	aphy Cover Scale	
		-	T*	0	Absent	
				1	Present very small an	nounts or if more common
					1	
					of marginal quality	amounts, but not of highest

GT TT GRAND TOTAL(max 100 pts) Present in moderate or greater amounts

and of highest quality

ORAM v. 5.0 Field Form Quantitative Rating

Site:	<u>R</u>	T-0581-10	Rater(s):	Repost	Date: 5	3/007
2	ک	Metric 1. Wetland	l Area (sizo	e).		
max 6 pis	SUBLAN	Selectione size class and assign scol  >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  > 0 3 to <3 acres (0 12 to <1  0 1 to <0 3 acres (0 04ha) (0 pts)	0 2ha) (5 pts) ha) (4 pts) i (3 pts) 2ha) (2pts)			
17	14	Metric 2. Upland	buffers an	d surroundina l	and use.	
та. 14 µs	Subtotal	2a Calculate average buffer width  WIDE Buffers average 50/ MEDIUM Buffers average NARROW Buffers average VERY NARROW Buffers a  2b Intensity of surrounding land use VERY LOW 2nd growth of LOW Old field (>10 years) MODERATELY HIGH Res	Selectionly one and as in (164ft) or more arou 25m to <50m (82 to < a 10m to <25m (32ft) or everage <10m (<32ft) or Selectione or double older forest, prairie, significant, so shrubland, young sed idential, fenced pasture.	sign score. Do not double check not welland perimeter (?) 164ft) around welland perimeter (o 5 <82ft) around welland perimeter around wetland perimeter (0) e check and average avannah, wildlife area, etc. (?)	; (4) r (1)	
17	21	Metric 3. Hydrolo	gy.			
ma+ 50 pts	Suniotas	3a Sources of Water Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface Perennial surface water (lail surface water (lail surface) 3c Maximum water depth Select on >0.7 (27 6in) (3) 0.4 to 0.7m (15.7 to 27.6in) <0.4m (<15.7in) (1) 3e Modifications to natural hydrological surface)	e water (3) we or stream) (5) ily one and assign sco (2) c regime Score one or	Part of wetl Part of npart of part of		c(1) check 4)
		None or none apparent (12) Recovered (7), Recovering (3) Recent or no recovery (1)	check all disturbated dilch tile dike weir stormwater in	point source filling/gradin road bed/RI dredging		
4.7	43	Metric 4. Habitat	Alteration	and Davelonme	unt	
max 20 pts	Recordus	4a Substrate disturbance. Score on Mone or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only Excellent (7) Very good (6) Goed (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or development.	e or double check and one and assign score	average		
	Y 3	None or none apparent (9) Recovered (6) Recovening (3) Recent or no recovery (1)	Check all disturbar mowing grazing clearculting selective cutting toxic pollutant	nces observed    Shrub/saplin   Shru	vaquatic bed removal on	14 12

lte:	KT D5 61 -10 1	Rater(s):	Cops/s	Date: 5/3
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lu	7			
1	2			
Subtotal 11	s page			
<u>_ [ . </u>	, <u>                                    </u>	_		
O	∖  Metric 5. Special W	etlands.		
a. 10 pts subto				
	Bog (10)			
	Fen (10)			
	Oid growth forest (10)			
	Mature forested wetland (5)			
	Lake Erie coastal/tributary wettan	•	<del></del>	
	Lake Erie coastal/tributary wetlan		(5)	
	Lake Plain Sand Prairies (Oak O	penings) (10)		
	Known accurrence state/federal t	breatened or endangs	ered species (10)	
	Significant migratory songbird/wa	_	•	
	Calegory 1 Welland, See Questi		•	
/				
Q 14	🥱  Metric 6. Plant com	munities, i	nterspersion, micr	rotopography
as 20 pts subto			nunity Cover Scale	
	Score all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0.2	2471 acres) contiguous area
	Aquatic bed	1	Present and either comprises sn	nall part of wetland's
	Emergent		vegetation and is of moderate	quality, or comprises a
	Shrub		significant part but is of low qu	
	2. Forest	2	Present and either comprises sig	-
	Mudflats Open water		vegetation and is of moderate part and is of high quality	quality or comprises a sma
	Other	3	Present and comprises significate	nt cart or more of wetland
	6b horizontal (plan view) Interspersion	Ü	vegetation and is of high qualit	•
	Select only one			<del></del>
	High (5)	Narrative Descrip	tion of Vegetation Quality	
	Moderately high(4)	low	Low spp diversity and/or predom	inance of nonnative or
	Moderate (3)		disturbance tolerant native spe	
	Moderately low (2)	mod	Native spp are dominant compor	
	1 Low (1)		although nonnative and/or dist	
	None (0)  6c. Coverage of invasive plants. Refer		can also be present, and speci moderately high, but generally	
	to Table 1 ORAM long form for list. Add		threatened or endangered spp	•
	or deduct points for coverage	high	A predominance of native specie	
	Extensive >75% cover (-5)		and/or disturbance tolerant nat	
	Moderate 25-75% cover (-3)		absent, and high spp diversity	and often, but not always.
	Sperse 5-25% cover (-1)		the presence of rare, threatene	d, or endangered spp
	Nearly absent <5% cover (0)			
	Absent (1)		Water Class Quality	
	6d. Microtopography.	0	Absent <0.1ha (0.247 acres)	
	Canno all account colons O to O contr	<u> </u>	Low 0.1 to <1ha (0.247 to 2.47 a Moderate 1 to <4ha (2.47 to 9.8)	
	Score all present using 0 to 3 scale.		High 4ha (9.88 acres) or more	o acres/
	'1' Vegelated hummucks/tussucks			
	Vegelated hummucks/tussucks Coarse woody debris >15cm (6in)		Prigit 4tha (a.du acrea) di fitore	
	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	3		
	Vegelated hummucks/tussucks Coarse woody debris >15cm (6in)			
	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	Microtopography	Cover Scale	more common
	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	Microtopography 0 -	Cover Scale Absent	more common
	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	Microtopography 0 -	Cover Scale  Absent Present very small amounts or if of marginal quality Present in moderate amounts, but	ut not of highest
• , _	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	Microtopography 0 - 1	Cover Scale  Absent Present very small amounts or if of marginal quality Present in moderate amounts, be quality or in small amounts of h	ut not of highest lighest quality
at II	/ Vegelated hummucks/tussucks / Coarse woody debris >15cm (6in) 9tanding dead >25cm (10in) dbh	Microtopography 0 -	Cover Scale  Absent Present very small amounts or if of marginal quality Present in moderate amounts, but	ut not of highest lighest quality