APPENDICES

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APPENDIX A: SAMPLE LOCATION GEOGRAPHIC COORDINATES

Appendix A: 2022 Monitorng Phase Sample Location Geographic Coordinates Herrington Lake Corrective Action Plan: Site Characterization Report Mercer County, Kentucky

BCA (RAO 3)

Sampling

Region

Table A1: 2022 Monitoring Phase Sample Location Geographic Coordinates Herrington Lake Corrective Action Plan: Site Characterization Report Mercer County, Kentucky

Adult Fish (RAO 1)					
Adult Fish Sampling Region	Longitude (decimal degrees)	Latitude (decimal degrees)			
0.1.1.1					
Curds Inlet	-84.71271	37.78505			
Rocky Run (LHL1)	-84.69889	37.78059			
Dix Dam (LHL2)	-84.70643	37.78484 37.77281			
Hardin inlet	-84.71662				
LHL6 (Near Sunset Marina)	-84.69286	37.75907			
MHL (Near Gwinn Island)	-84.71623	37.72514			

YOY Bluegills (RAO 2)					
Curds Inlet	-84.71271	37.78505			
Rocky Run (LHL1)	-84.69889	37.78059			
Dix Dam (LHL2)	-84.70643	37.78484			
Hardin inlet	-84.71662	37.77281			
LHL6 (Near Sunset Marina)	-84.69286	37.75907			
MHL (Near Gwinn Island)	-84.71623	37.72514			

184	e Plant)	CI1A	-84.71433	37.78569
281		CI1B	-84.71433	37.78566
207		CI1C	-84.71433	37.78563
907		CURDS2A	-84.71391	37.78553
		CURDS2B	-84.71394	37.78548
514	le l	CI2A	-84.71370	37.78544
	ln fr	CI2B	-84.71374	37.78539
	S Solution	CI2.1A	-84.71308	37.78540
	rd	CI2.1B	-84.71313	37.78531
505	Curds Inlet (Sorted by distance from The	CI2.2A	-84.71263	37.78513
)59)	CI2.2B	-84.71271	37.78505
184	þe	CI3A	-84.71226	37.78485
281	orte	CI3B	-84.71237	37.78475
907	(Sc	CI3.1A	-84.71192	37.78460
514		CI3.1B	-84.71206	37.78449
		CI3.2A	-84.71169	37.78430
		C12.2B	-84.71180	37.78422
	П	HI1A	-84.71675	37.77282
	- di	HI1B	-84.71662	37.77281
	Hardin Inlet	HI1C	-84.71673	37.77274

BCA (ROA 3)

Longitude

(decimal

degrees)

-84.71462

-84.71445

Latitude

(decimal

degrees)

37.78562

37.78569

BCA

Sampling

Location

CURDSNB

CURDS1

Notes:

CI Curds Inlet

HI Hardin Inlet

HQ HQ Inlet

ICI Lower Curds Inlet

LHL Lower Herrington Lake

MHL Middle Herrington Lake

MCI Middle Curds Inlet

RAO Remedial Action Objective

UCI Upper Curds Inlet

Coordinates are reported in NAD 1983 US decimal degrees.

⁽a) Surface water samples and water quality measurments were collected from each of the four YOY sampling locations. YOY bluegills were collected from the combined LCI/HQ YOY sampling location and the results were averaged. This table reports the coordinates fro both locales. For the Middle Herrington Lake adult fish sampling location the reported coordinates represent the approximate centroid of the fishing region located near the Gwinn Island.

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B1: 2022 Monitoring Phase Adult Fish Sample Image Log

Appendix B2: 2022 Monitoring Phase Young-of-the-Year Fish Sample Image Log

Appendix B3: 2022 Monitoring Phase Benthic Community Assessment Sampling Image Log

APPENDIX B1: ADULT FISH DIGITAL IMAGE LOG



Image 1: Bluegill composite sample (1 of 3) from Curds Inlet. Sample ID = FOF-004(BG)-CI-220506

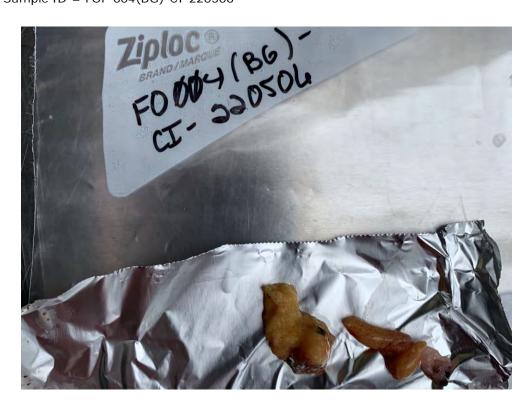


Image 2: Adult gravid female ovary sample (1 of 3) from Curds Inlet. Sample ID = FO-004(BG)-CI-220506



Adult Fish Sample Image Log



Image 3: Bluegill composite sample (2 of 3) from Curds Inlet. Sample ID = FWB-005(BG)-CI-220506

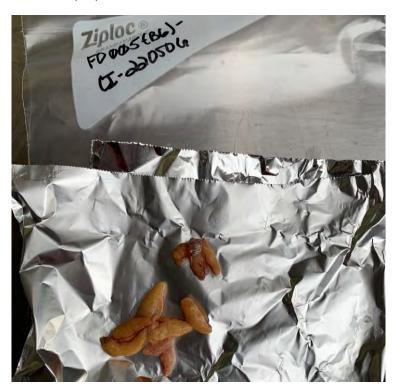


Image 4: Adult gravid female ovary sample (2 of 3) from Curds Inlet. Sample ID = FO-005(BG)-CI-220506



Adult Fish Sample Image Log



Image 5: Bluegill composite sample (3 of 3) from Curds Inlet. Sample ID = FOF-006(BG)-CI-220506



Image 6: Adult gravid female ovary sample (3 of 3) from Curds Inlet. Sample ID = FO-006(BG)-CI-220506



Adult Fish Sample Image Log



Image 7: Largemouth Bass composite sample (1 of 2) from Curds Inlet. Sample ID = FWB-001(LMB)-CI-220504



Image 8: Largemouth Bass composite sample (2 of 2) from Curds Inlet. Sample ID = FWB-002(LMB)-CI-220504



Adult Fish Sample Image Log



Image 9: Bluegill composite sample (1 of 2) from Hardin Inlet. Sample ID = FOF-001(BG)-HI-220506



Image 10: Adult gravid female ovary sample (1 of 2) from Hardin Inlet. Sample ID = FO-001(BG)-HI-220506



Adult Fish Sample Image Log



Image 11: Bluegill composite sample (2 of 2) from Hardin Inlet. Sample ID = FOF-002(BG)-HI-220506

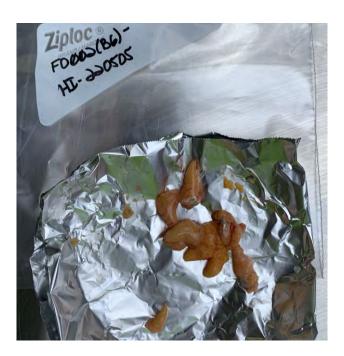


Image 12: Adult gravid female ovary sample (2 of 2) from Hardin Inlet. Sample ID = FO-002(BG)-HI-220506



Adult Fish Sample Image Log



Image 13: Bluegill composite sample (1 of 2) from LHL1 Residential Cove. Sample ID = FOF-004(BG)-LHL1-220506

Image 14: Adult gravid female ovary sample (1 of 2) from LHL1 Residential Cove. – Missing Image Sample ID = FOF-005(BG)-LHL1-220506



Adult Fish Sample Image Log



Image 15: Bluegill composite sample (2 of 2) from LHL1 Residential Cove. Example Female Carcass (Offal). Sample ID = FOF-005(BG)-LHL1-220506



Image 16: Adult gravid female ovary sample (2 of 2) from LHL1 Residential Cove. Example Ovary Tissue. Sample ID = FO-005(BG)-LHL1-220506



Adult Fish Sample Image Log



Image 17: Largemouth Bass composite sample (1 of 2) from LHL1 Residential Cove. Sample ID = FWB-001(LMB)-LHL1-220504



Image 18: Largemouth Bass composite sample (2 of 2) from LHL1 Residential Cove.



Adult Fish Sample Image Log



Image 19: Bluegill composite sample (1 of 2) from LHL2 Dix Dam. Sample ID = FOF-004(BG)-LHL2-220504



Image 20: Adult gravid female ovary sample (1 of 2) from LHL2 Dix Dam. Sample ID = FO-004(BG)-LHL2-220504



Adult Fish Sample Image Log



Image 21: Bluegill composite sample (2 of 2) from LHL2 Dix Dam. Sample ID = FWB-005(BG)-LHL2-220506



Image 22: Adult gravid female ovary sample (2 of 2) from LHL2 Dix Dam. Sample ID = FO-005(BG)-LHL2-220506



Adult Fish Sample Image Log



Image 23: Largemouth Bass composite sample (1 of 2) from LHL2 Dix Dam. Sample ID = FWB-001(LMB)-LHL1-220504



Image 24: Largemouth Bass composite sample (2 of 2) from LHL2 Dix Dam. Sample ID = FWB-001(LMB)-LHL1-220504. 1 of 2.



Adult Fish Sample Image Log



Image 25: Bluegill composite sample (1 of 3) from LHL6 Near Sunset Marina. Sample ID = FOF-001(BG)-LHL6-220505



Image 26: Ovaries from Bluegill composite sample (1 of 3) from LHL6 Near Sunset Marina. Sample ID = FO-001(BG)-LHL6-220506



Adult Fish Sample Image Log



Image 27: Bluegill composite sample (2 of 3) from LHL6 Near Sunset Marina. Sample ID = FOF-002(BG)-LHL6-220505



Image 28: Ovaries from Bluegill composite sample (2 of 3) from LHL6 Near Sunset Marina. Sample ID = FO-002(BG)-LHL6-220506

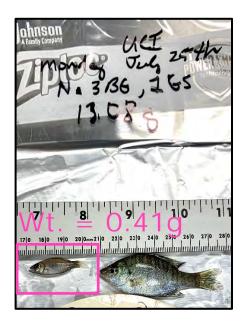


Adult Fish Sample Image Log

APPENDIX B2: YOY BLUEGILL DIGITAL IMAGE LOG

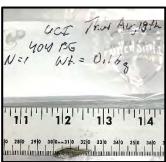
Image 1 (right) contains one YOY bluegill (highlighted in pink) of the 14 YOY bluegill selected for YOY composite Sample 1 from Upper Curds Inlet.

Sample id = YOY(BG)-001-UCI-220725



Images 2 to 4 (below) contain the remaining 13 of the 14 YOY bluegills in YOY composite Sample 1 from upper curds inlet. Sample id = YOY(BG)-001-UCI-220725









Appendix B2

YOY Bluegill (Lepomis Sp.) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 1 of 8 Image 5 (right) displays the 10 YOY bluegills in YOY composite sample 2 from Upper Curds Inlet.

Sample id = YOY(BG)-002-220816



Image 6 (right)) displays the 10 YOY bluegills in composite sample 3 from Upper Curds Inlet.

Sample id = YOY(BG)-003-220819





Appendix B2

YOY Bluegill (Lepomis Sp.) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 2 of 8



Image 7 (left) displays the 15 YOY bluegills in YOY composite Sample 1 from Middle Curds Inlet Sample id = YOY(BG)-001-MCI-220816

> Image 8 and 9 (below) display the 8 YOY bluegills in YOY composite Sample 2 from Middle Curds Inlet Sample id = YOY(BG)-002-MCI-220630





Image 10 (left) displays the 356 postswimup YOY Lepomis sp. composite sample 3 from Middle Curds Inlet Sample id = YOY(BG)-003-MCI-220817



Appendix B2

YOY Bluegill (Lepomis Sp.) Sample Image Log

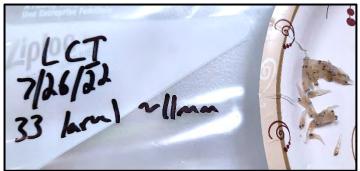
Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 3 of 8

Images 11-16 (below) display the 593 YOY Lepomis sp. in YOY composite Sample 1 from Lower Curds Inlet.

Sample id = YOY(BG)-001-MCI-220726













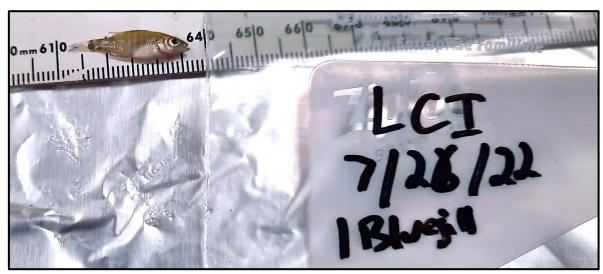


Appendix B2

YOY Bluegill (*Lepomis Sp.*) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 4 of 8

Images 18-21 below display the 25 Lepomis sp. in YOY composite Sample 2 from Lower Curds Inlet. Sample id = YOY(BG)-002-LCI-220726









YOY Bluegill (*Lepomis Sp.*) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 5 of 8 Images 22 and 23 display the 29 YOY bluegills in YOY composite Sample 3 from Lower Curds Inlet

Sample id = YOY(BG)-003-LCI-220817







Appendix B2

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 6 of 8 Image 24 (right) displays the 9 YOY bluegills in YOY composite Sample 1 of 3 from Hardin Inlet Sample id = YOY(BG)-001-HI-220815



Image 25 and 26 (below) display the 15 YOY bluegills in YOY composite Sample 2 of 3 from Hardin Inlet Sample id = YOY(BG)-002-HI-220816







Appendix B2

YOY Bluegill (Lepomis Sp.) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky

Page 7 of 8 Images 27-29 below display the 20 YOY bluegills in YOY composite Sample 3 of 3 from Hardin Inlet

Sample id = YOY(BG)-003-HI-220726









Appendix B2

YOY Bluegill (Lepomis Sp.) Sample Image Log

Herrington Lake 2022 Monitoring Phase E>W Brown Station, Herrington Lake, Mercer County, Kentucky Page 8 of 8

APPENDIX B3: BENTHIC COMMUNITY ASSESSMENT (BCA) DIGITAL IMAGE LOG



Image 1 (above): Curds 1A BCA Sampling Location.

Image 2 (below) displays the three retrieved CI1A HD Lids.





Appendix B3

Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 1 of 8



Image 3 (above): Curds 2A BCA Sampling Location.





Image 4 and 5 (above) Curds 2A BCA Sample with larval-stage *Odanata sp.* (Dragonflies and Damselflies). Sample ID - BIC-002-CURDS2A-220702



Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 2 of 8



Image 6 (above): CI2.1A BCA sample retrieval lids.





Images 7 and 8 (above) CI2.1A BCA Sampling Location. One of the retrieved colonized HDs.



Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 3 of 8



Image 9 (above): CI 2.2A BCA Sampling Location Replicate 2.



Image 10 (above) CI2.2A BCA Sampling Location. **Example of o**ne of the retrieved colonized HDs.

Taxonomic Sample ID = BIC-002-CI2.2A-220703



Appendix B3

Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 4 of 8



Image 11 (above): CI3A BCA Sampling Location. T



Image 12 (above) CI3 BCA retrieved colonized sampler.



Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 5 of 8



Image 13 (above): CI3.1A BCA Sampling Location.

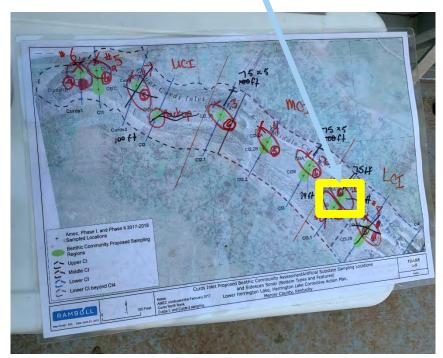


Image 14 (above): Overview of BCA Sampling Locations highlighting the location of the deployed CI3.1A BCA samplers in Lower Curds Inlet.



Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 6 of 8



Image 15 (above): CI 3.1B BCA Sampling Location.





Images 16 and 17 (above) CI3.1B BCA replicate 3 colonized sampler. This sample was not included in the final taxonomic classification.



Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 7 of 8





Images 18 and 19 (above): CI3.2A BCA Sampling Location.





Images 20 and 21 (above) CI3.2A BCA Sampling Location. One of the retrieved CI3.2A colonized HDs including preserved larger invertebrates (above left)



Appendix B3

Benthic Community Assessment Image Log

Herrington Lake 2022 Monitoring Phase E.W. Brown Station, Herrington Lake, Mercer County, Kentucky Page 8 of 8

APPENDIX C: 2022 MONITORING PHASE SAMPLE COLLECTION FIELD DATA SHEETS

Appendix C1: Adult Bass and Bluegill Sample Collection Data Sheets

Appendix C2: Young-of-the-Year Bluegill Sample Collection Data Sheets

Appendix C3: Water Quality Measurements Field Measurements

APPENDIX C1: ADULT BASS AND BLUEGILL SAMPLE COLLECTION DATA SHEETS



Locatio LHL-2):		OLET			1:	
	Collection	Notes / Observation	ns:		The second secon	
541	<i>D</i>					
e:	××					
	or Geographic Loc	ation:				
tors:			Weather	at Start:		
Flow st	atus (circle one):	runoff event high	flow lo	w flow n	ormal other	
Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	
001	MICROPTERUS	SALMOIDES	333	480	FUBDOI (LHB)-	U
002	11	h	348	580		4.0
003	lı .	ν	403	920	FWB000 (LMB)-	et
004	h	1,		1040		
005	LEPOMIS	MACROCHIRUS		95	F6B001 (B6)-	CI
006	ů –	1)	158	85		
007	ון	D	177	105		
008	1)))	165	95		7
009	11	U	160	80		FODO
010	l)	D	140	50	GRAVID FEMALE =	CODCAS
011	Ŋ	1)x	134	49.5	GRAVID FEMALE -	-DVARU CARCAS
012	11	h	140	50	FUB 002 (B6)	EDDO
013	N .	11	140	51		PORT
014	¥	[1	144	53	GRAVID FEMALS	CARCAS
015	1	11	41	55		
of Longe	st Fish:		Total # Fish Collected in Sample:			
			Date:		Time:	
			Date:	· miles or a second	Time:	
	Vildlife Collected Relinqui	Vildlife Collection Vildlife Collection SHAD Re: Idinates or Geographic Local Richard Genus O01 MICROPTERUS O02 " O03 " O04 " O05 LEPOMIS O06 " O07 " O08 " O09 " O10 " O11 " O12 " O13 " O14 "	Vildlife Collection Notes / Observation Notes / Observation	Vildlife Collection Vildlife Collection Notes / Observations: SHA/SD Weather Flow status (circle one): runoff event high flow loo Fish Genus Species Length (mm) O01 HICROPTERIS SALMOIDES 3333 O02 " " " 348 O03 " " 408 O04 " " 408 O05 LEPOMIS MACROCHIRUS IS8 O06 " " IS8 O07 " " " IT IT ILO O10 " " " IS8 O09 " " " IT ILO O11 " " IT ILO O12 " " " IT ILO O14 " " IT ILO O15 " " IT ILO O16 " " IT ILO O17 " " IT ILO O18 " " IT ILO O19 " " IT ILO O10 " " IT IT ILO O11 " " IT ILO O12 " " " IT ILO O14 " " IT ILO O15 " " " IT ILO O16 " " " IT ILO O17 " " " IT ILO O18 " " " " IT ILO O19 " " " " " " IT ILO O10 " " " " " " " " IT ILO O11 " " " " " " " " " " " IT ILO O12 " " " " " " " " " " " " " " " " " " "	Vidilife Collection Notes / Observations: Veather at Start: Neight (grams) Veight (grams) Veight (grams) Veight (grams) Notes / Observations: Veight (grams) Notes / Observat	Location Description: Loca

Adult Fish Tissue Collection and Chain-Of-Custudy Form



Samplin ID (e.g.	g Locatio LHL-2):	CURDS	INLET	Fish Sam Location	pling Description	1;	
KDFWR Permit#	Wildlife C	ollection	Notes / Observation	ons:			
Date:	5/6/	93 .					
Start Tir			1.				
		or Geographic Lo	cation:	I			-
Investig				Weather	Park Service Control of the Control		-
	Flow st	atus (circle cae):	runoff event high	h flow lo	w flow n	ormal other	WAKES UD
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	STATE OF THE STATE
8	001	LEPOMIS	MACROCHIRUS	136	42.1	GRAVIO FEMALL	
8	002	11	P	132	39.2	10064(BG) CI	230506
9	003	11	Ŋ	131	37.5	(FOF 000 1 (Bxs) - C	3205Db
9	004	N	£1	BY	30.6	GRAVID FEMALE	(F0000)
9	005	l)	l v	124	31	FO 000 (86)-C	
9	006	l)	11	135	39	FOF 000x (B6)-1	1-3059
9	007	j.	1	136	40.4	CARDAS IT	SKIS -
10	008	Jr	ls .	133	32.5	GRAVIDATEMALS	(F0003)
10	009	11	ļi li	121	30	FOF 000 (BG) - CI	102020
10	010	1	11.	126	31	CONARIS -42	19
10	011	(1	11	117	24	CARCASS-139.9	78
10	012	þ	10	118	25.5		
	013						
	014						
	015						
	of Longe		100		sh Collecte	d in Sample:	
	Collecte	The second secon		Date:		Time:	
,	Relinqui			Date:		Time:	
	Received	by:		Date:		Time:	



			and Chain-Of-Cust	tudy Form	1	《新报》是《新发生》的《新发生的《新发生》	
Samplin ID (e.g.	g Locatio LHL-2):	LHLI		Fish Sam Location	pling Descriptior):	
Permit# Date:	5/4/0	Collection	Notes / Observations: OVERCAST; STOF				
Start Tir	THE RESERVE THE PERSON NAMED IN	or Geographic Loc	cation:	W-1			-
Investig	The state of the s	or ecograpme co		Weather	at Start:		
		tatus (circle one):	runoff event high			ormal other	
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	
1	001	MICROPTERUS	SALMOIDES	310	380	FLOBOOI (LMB)-LH	LI-22050X
	002	1	19	284	390	TERION ON TIB	
	003	11-)ı	3810	3003	∞	
2	004	11	,,	360	68D	FLOBODO (LMB)-LH	11-20504
2	005	n	11	400	880		
2	006	10	h	385	890		
3	007	LEPOMIS	MACROCHIRUS	1105	98	FloBODI(BG)-14	1-220504
3	008	H.	jv.	173	98		
3	009	n	li li	164	70		
3	010	U	b	170	90		
3	011	i i	h	150	55		
4	012	11	D.	125	30	AUBODA (B6) L	H-220504
4	013	ľ	V	136	39	FOOD/FOFOO)	OUNTY BUS
5	014	N	ħ	112	19	GRAVID FEMALES	+ADIASS 189
4	015	11	l,	125	30.5		FO DOILBO
	of Long	(mm) of 75%tile est Fish:				d in Sample:	COMBINERI
	Collecte		and the same of th	Date:		Time:	5+6+7+8+
		ished by:		Date:		Time:	
	Receive	a by:		Date:		Time:	



Samplin ID (e.g.	g Locatio LHL-2):	LHL		Fish Sam Location	pling Descriptior	nı
KDFWR Permit#		Collection	Notes / Observati	ons:		
Date:	5/4/0)2				
Start Tin						
		or Geographic L	ocation:	T	-1 011-	
Investig		atus (circle one): runoff event hig	Weather		ormal other
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments =060 /F0F001
6	001	LEPOMIS	MACROCHIRUS	122	38	GRAVID FEMALS
7	002	b	11	124	32	GRAND ECHNIC
8	003	N.	þ.	111	21	GRAVID FEMALE
	004					OVARY - 0.50 ('ARCASS - 20.1
	005					1:000-1(B6)
	006					COMBINE WITH 5+6+7+8+1D
	007					
	008					
	009					
	010					
	011					
	012					
	013					
	014					
	015					
	Length (mm) of 75%tile est Fish:	3	Total # Fi	sh Collecte	d in Sample:
	Collecte			Date:		Time:
		shed by:		Date:	****	Time:
	Receive	d by:		Date:		Time:

Notes:

Page a of a



Sampling ID (e.g.		LHLI		Fish Sam Location	pling Description	n:	
Permit#:		Collection	Notes / Observation	ns:	No.		
Date: Start Tin	5/6/5	Xd.	-				
And in column 2 is not the same	The second second second	or Geographic L	ocation:	100			
Investiga	ators:	4		Weather	at Start:		
In the second form Block		atus (circle one)): runoff event high	flow lov	w flow n	ormal other	
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments FDDD2/FDFD05	
9	001	LEPOMIS	MACROCHIRUS	114	25.5	GRAVID FEHALS	
9	002))	h	Ille	27.5	FORMAL (BG)-LHL	
9	003	11	V	14	26.5	FODOX (166) - LI+4	1-270206
9	004	11	U	114	23	OVARY - 7.15 & CARLASS - 119.15	
9	005	11))	116	25.2	9	
10	006	10	1	106	19	GRAVID FEMAL	
	007			100		COMBINE WITH	5+6+7+
	008					F0005 (BG) 44 F0F005 (BG) 44 OVARY - 0.519	1-330x06
	009				Q.	OVARY - 0.519	
	010					CAR(ASS-17.87	
	011						
	012				-	N -	
	013						
	014						
	015						
	Length ((mm) of 75%tile		Total # Fi	sh Collecte	d in Sample:	
	Collecte	The state of the s		Date:		Time:	
	-	shed by:	Not to the second of	Date:		Time:	
	Receive	d by:		Date:		Time:	



Sampling ID (e.g.		LHLD		Fish Sam Location	pling Description	1:	
CDFWR \ Permit#:		Collection	Notes / Observation	ons:		The sales are a second and a second assets as a second asset as a second as a second as a second as a second a	
Date:	the Real Property lies and the last of the	2					
tart Tin		or Geographic Loc	ation:				-
nvestig		or coograpme to		Weather	at Start:		
		atus (circle one):	runoff event high			ormal other	1
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	
18	001	MICROPTERUS	SALMOID ES	370	700	FUBCOI/LMB)-L	MB)-LH
	002	h	h	423	1140	FUBOOI/LHB)-L	1112-22
ì	003	W	J.	400	980		
9	004	u	PUNCTULATUS	-	400	FWB001(KB) L	110 31C
2	005	ji .	h	322	510		
3	006	LEPOMIS	MACROCHIRDS	157	70	FloB001 (B6)-4	12 -DE
3	007	11	jı	181	120		
3	008	l/	N	151	55		
3	009	11	E.	153	LeS		OUDI(S
3	010	11	D	159	80		FOODILE OUARY 2.
4	011	11	11	45	50	GRAVID FEMALE <	CARUTS -
5	012	h	h	143	48	F68002 (B6)-111	2 COMP
5	013	ħ	h	1410	49	A STATE OF THE STA	4+6+
5	014	h	h	137	38		14+107
5	015	n	D	124	32		
	of Longe	(mm) of 75%tile est Fish:				d in Sample:	
	Collecte			Date:		Time:	
	-	shed by:	The state of the s	Date:	The Assessment of the State of	Time:	
	Receive	a by:		Date:		Time:	



Sampling ID (e.g. l		LHLD		Fish Sam Location	pling Description		
KDFWR V Permit#: Date: 5	14/22		Notes / Observation	ons:	A 15 (1) A 11 (1)		
	The second second second	or Geographic Loc	ation:				1
Investiga	ators:			Weather	at Start:		
	Flow st	atus (circle one):	runoff event high	h flow lo	w flow n	ormal other	
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	COANTS !
5	001	LEPOMIS	MACROCHIRUS	138	395		OUARY 1.37
Le	002	h	V	133	42	GRAVID FEMALS -	CARCAS-41.4
7	003	li.	71	112	23	GRAVID FEMALS	COMBINEWITH
8	004	MICROPTERUS	SALMOIDES	376	740	CAUCURE - 3378 ONAUG - D. 318	4+6+7+9
	005					10003	-
	006					> FLUB DODY (LMB)	LHL
	007						
	008						
	009						
	010						
	011						
	012	VI.					
	013						
	014						
	015						
	of Longe				sh Collecte	d in Sample:	~
ı	Collecte			Date:		Time:	
	Received	shed by:		Date:		Time:	

Notes:

Page of



Samplin ID (e.g.	g Locatio LHL-2):	HHA		Fish Sam Location	pling Description	7:	
Permit# Date:	5/4	Collection	Notes / Observation	l ns:	B	U and the second	-
Start Tin	the second second second	or Geographic Lo	cation:				
Investig		or acograpine Lo	The stoppe	Weather	at Start:		
		atus (circle one)	runoff event high			ormal other	
Sample #	Fish .	Genus	Species	Length (mm)	Weight (grams)	Comments	COMBINE WITH 4+ DVARY-1 CARLASS 3
9	001	LEPOMIS	MACROCHIRIS	112	22.5	GRAVIO FEMALE	CARLASS 3
9	002	11	11	104	17	FOODY (Bb) LI	12-220S
ID	003	U	1)	134	39.5	GRAVIDO FEMALS	
10	004	1	17	134	36.7	FO 008 (BG) - LH FOF DOS (BG) - LH	3-200
10	005	V	1'	127	32.5	OVARY- 6.615	
10	606	11	1)	106	18.8	CARCIASS_141.9	7
16	007	11	11	113	22		
F	008						
	009						
	010						
	011						
	012				x		
	013						
	014						
	015						
	of Longe	And in case of the last of the			sh Collecte	d in Sample:	
	Collecte			Date:		Time:	
	-	shed by:		Date:		Time:	
	Received	n ny:		Date:		Time:	



Sampling ID (e.g. l		LHLle	1	Fish Sam Location	pling Description	3;	
KDFWR V Permit#: Date:	5/5/0	Collection	Notes / Observation	ons:			
		or Geographic Loc	ation:				
Investiga	ators:			Weather	at Start:		
	Flow st	tatus (circle one):	runoff event high	flow lo	w flow n	ormal other	and the state of t
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	
1	001	MICROPIERUS		406	920	FLOBOOI (LMB)-L	HL6-20505
	002	ft	l(1460	1540		
2	003	t)	c)	305	400	FWBOOD (LMB)-L	HUE-220505
9	004	11	(1	312	420		TOPP 4.449
3	005	# LEPOMIS	MACROCHIRUS	153	58	GRAVID FEMALES - FOODI (BG)-	CARCIAS SI 1" 18
3	006	0	5)	158	64	F0001 (B6)-	THT - 970202
3	007	11	ll l	145	51	FOF MA1/86)-	141/2-20505
3	008	()	11	140	40.4	GRAVIO FEMALS	OVAR18 4.769
4	009	jı jı	ic	124	29.5	FO 000 (136)	HHL 230505
4	010	31	1)	Ble	31	FOF 000 (BG)-	WHL6-200505
4	011	li	ν	125	31.5	-	COMBINE 3+4
4	012	0	11	120	26		
4	013	ls.	II.	126	34.5		
5	014	H	11	127	27.8	HOLD CLARKES ON	4
5	015	11	U	124	29.4		
		(mm) of 75%tile est Fish:			ish Collecte	ed in Sample:	T De la constant de l
	Collecte	ed by:		Date:		Time:	
		ished by:		Date:		Time:	
	Receive	d by:		Date:		Time:	



Sampling ID (e.g.		LHLLO		Fish Sampling Location Description:					
KDFWR \ Permit#: Date: Start Tin	5/5/6	Collection	Notes / Observation	ons:					
the state of the s		or Geographic Lo	ocation:	/					
Investig	ators:		A Company of the Comp	Weather	at Start:				
	Flow st	atus (circle one)	: runoff event high	flow lo	w flow n	ormal other			
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments			
5	001	LEPOMIS	MACROCHIRUS	115	13.7	F0003(B6)-4			
5	002	V	N.	124	28.9	FOF008 (B6) 4			
5	003	И	1/	118	de.7	OVARIUS 5.659 CARIAS 1100			
	004		4			0			
	005								
	006								
	007								
	800								
	009								
-	010								
	011								
	012								
	013								
	014								
	015								
	Length (mm) of 75%tile		Total # Fi	sh Collecte	d in Sample:			
- 1	Collecte	the second secon		Date:		Time:			
		shed by:		Date:		Time:			
1	Received	i by:		Date:		Time:			

Notes:

Many of S



Samplin ID (e.g.	g Locatio LHL-2):	MHL		Fish Sam Location	pling Description	n:	
KDFWR Permit# Date: Start Tir	5/7/	Collection	Notes / Observation	ons:			
The state of the s	The second secon	or Geographic Loc	ation:			The second secon	
Investig	ators:			Weather	at Start:]
	Flow st	catus (circle one):	runoff event high	flow lo	w flow n	ormal other	
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	
	001	MICROPTERUS	SALMOIDES	385	680	FLOBOOI (LMB)-MI	L-220507
	002	li li))	400	800	11	
2	003	1)	11	341	557)	FLOBOOD (LMB)-	HHL-2308
2	004	b	h	384	600	n	
3	005	LEPOMIS	MACHROCHIRLS	155	53	GRAVID FEMALE	
3	006	1)	11	136	45.8	F0001(BG)-MHL	220507
3	007	71	V	124	38.8	POFDO 1 (BG) - HI	1-00001
3	008	Л	10	124	27.9	OVARY - 6.659 CARCASS - 178.58	
- 3	009	h	11	121	26	1	
4	010	1)	n	114	25.3	GRAVID FEMALE	
4	011	tt	N.	103	12.5	F0002 (BG)-MH	1-200507
4	012	A	N.	114	21.4	OVARY-2859	
4	013	[1	1(109	20.5	CARCASS-105.270	ļ K
4	014	li .	10	118	25.7		
	015						
	Length (mm) of 75%tile est Fish:		Total # Fi	sh Collecte	d in Sample:	
	Collecte			Date:		Time:	
		shed by:		Date:		Time:	
	Received	i by:		Date:		Time:	



Sampling ID (e.g. l		HARDIN IN	OLET	Fish Sam Location	pling Description	3 4	
KDFWR V Permit#:		Collection	Notes / Observation	ons:		**************************************	
Date:	5/5/	99					
Start Tim	The state of the s						
GPS Coor	dinates	or Geographic Loc	cation:	1			
Investiga	itors:			Weather	at Start:		
	Flow st	atus (circle one):	runoff event high	h flow lo	w flow n	ormal other	
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments	40R
1	001	LEPOM13	MACROCHIRUS	133	37	6RAVIO FEMALES = FOOD 1/B6)-HI	CARC
1	002	b	A	139	52	F0001(B6)-HI	-22
	003	h	ì	67	36.8	F0F001(B6)-H	1
1	004	U	(1	133	415		
(005	11))	136	47		
2	006	31	11	131	39	GRAVID FEHALES =	CARCA
2	007	11	\\	128	34.5	F0002/BG)-HI	-221
2	008	N N	U	133	44.2	FOF000 (BG)-HI	
2	009	11	V	120	295	1	
2	010	11	u u	114	25.2		
	011						
and a second	012						
	013						
	014						
	015						
	of Longe	AND RESIDENCE OF THE PARTY OF T		Total # Fish Collected in Sample:			
	Collecte	d by:	In the Haller A. H. Committee of the	Date: Time:			
1		shed by:		Date:		Time:	
	Received	d by:		Date:		Time:	

APPENDIX C2: YOUNG-OF-THE-YEAR BLUEGILL SAMPLE COLLECTION DATA SHEETS

RAMBULL

Primary Fish Collec	tor(s):	Notes:		. custady i	OF IT	
Sampling Date(s):	(e/30/m	`				
Weather Forecast:				45 A		
Air Temp: Wat	er Temp:					
	YOY S	ampling Region (circle one):	1000		
Curds Inlet	HQ InletLHL1(Rocky A		x Dam)	HARDI LHL3 (6 Cove
Sample ID: e.g. (YOYBASS-801-LHL6), or (YOYBASS-00175-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (2shr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a
D 404 BRS		ELECTR.+ SEING	429		68	485-48
10 GR	(NOT 404)	ELECTRO- FISH	49.12g \$6.818	-	+10	485-11
C	704)	ELECTRO. FISH	7.168			۷
				direction of the same and the s		
		- 1				
tes:						

Page \perp of \perp

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBULL

Primary Fish Collec	tor(s):	Notes:				The second secon
Sampling Date(s):	7/1/22	-				
Weather Forecast:						
Air Temp: Wat	er Temp:					
	YOY Sa	ampling Region (circle one):	(HAI	W WAS	OLST)
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Di	× Dam) WEIGHT	THT3 C		6 Cove
Sample ID; e.g. (YOYBASS-001-LHL6), or (YOYBASS-00175-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Tyne (24hr cłock)	Sampling Duration (in hrs)	Sample Size	No. in Photo®
D YDY BASS		ELECTRO-	8.398		17	485-17
	A Company of the second					
ruyla va	er () This				2391	
ites:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:					
Sampling Date(s):	7/25/22						
Weather Forecast:							
Air Temp: Wate	er Temp:						
Curds Inlet	YOY Sa HQ InletLHL1(Rocky A	rm) LHL2(Di	ircle one): K Dam) WEIGHT	LHL3 C	NOW IN)LET	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Tipre (29hir clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)	
7 6REEN 3866 (NOT	404)	MINLOW	33.87 29.10g		妆7	485-10-	
(B6 (NOT 4	my)	HIVVOW TRADS	14.000		3	Ł	
Notes:							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collector(s):		Notes:				
Sampling Date(s):	7/26/22					
Weather Forecast:						
Air Temp: Wate	er Temp:					
	YOY Sa	ampling Region (circle one): LHL2(Dix Dam)		HAL	MI WIGH	£T
Curds Inlet	HQ InletLHL1(Rocky A			LENGTH C	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N≈)	No. in Photo ^a (N=)
D 206		MINDOW TRAPS	1.09g	37 mm 33 mm	۵	455-2
Notes:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:					
Sampling Date(s):	8/5/22						
Weather Forecast:	0,						
Air Temp: Wat	er Temp:						
	YOY Sa	ampling Region (d			DIN INLE		
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Di	Dam) LOEIGHT	LENGTH	ove LHL	6 Cove	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)	
D 940	oll.	ELECTRO- FISHING	10.589	20-49 m	9	485-9	
(3) 2 40 (3) 2 40 (3) 6 REE	r N	ELECTIO - FISHING	2.129	40 mm	9	Y5-2	
Notes:							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collecto	or(s):	Notes:					
Sampling Date(s):	8/16/22	7					
Weather Forecast:							
Air Temp: Wate	r Temp:						
	YOY Sa	impling Region (c	ircle one):		HARDIN	INLET	
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Dix	WEIGHT	LENGIH C	ove LHL	6 Cove	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ⁸ (N=)	
(1) BLUEGICE		ELECTRO - FISH	6.939	27 mm 43 mm	9	485-9	
Notes							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collector(s):		Notes:					
Sampling Date(s):	8/17/22						
Weather Forecast:							
Air Temp: Wat	er Temp:				N 1727		
	YOY Sa	ampling Region (c	ircle one):	(I	FARDIN	(IJUNI	
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Di)	WEI 6HT	TENGIA THI3C	ove LHL	6 Cove	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-001TS - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start There (29thr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)	
D BINEP	IL	ELECTRO- SHOCK	5.759	Stomm	6	YES-4	
B GREEN SUNP	SH Y	ELECTRO. SHOUL	0.70g	3lemm	1	485-1	

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Page of 1

Primary Fish Collector(s):		Notes:					
Sampling Date(s):	8/18/22	7					
Weather Forecast:							
Air Temp: Wate	r Temp:						
Curds Inlet	YOY Sa	empling Region (c		LENGTH	OVE LAL	LET)	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (2 hr closk)	Sampling Dutation (in hts)	Sample Size	No. In Photo ^a	
D YOU		ELECTRO- FISH	13.789	25 min 50 min	16	48-16	
Notes:							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to messure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMINGEL

Primary Fish Collecto	or(s):	Notes:				
Sampling Date(s):	8/20/22					
Weather Forecast:	700700					
Air Temp: Wate	r Temp:]				
Curds Inlet	YOY Sa	rm) LHL2(Di	ircle one): Dam) OUGHT	LENGTH	HARDIN OVE LHL	LULET 6 COVE
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Tiple (24hr clock)	Sampling Duration (In hrs	Sample Size (N=)	No. In Photo ^a (N=)
O GOY BLUEGILL		MINNOW TRAP	0.2kg	21 mm	9	48-2
Notes:						

a) Image containing groups of the collected YOY biuegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBELL

Primary Fish Collec	tor(s):	Notes:				A STATE OF THE STA
Sampling Date(s):	6/30/22					
Weather Forecast:	W/W/XX					
Air Temp: Wat	er Temp:					
Curds Inlet	YOY Sa	nmpling Region (o	x Dam)	LHE3 (OVE LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-001TS-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo
D BLUEG	(NOT 404)	MIDDOW	4.098		2	985-2
			1.7			
ID HEY ALL	of the state of					
				-		
					-	
ites:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	tor(s):	Notes:		~		
Sampling Date(s):	6/30/2					
Weather Forecast:	4/					
Air Temp: Wat	er Temp:					
	YOY Sa	mpling Region (c	ircle one):			
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Dix	(Dam) WE16HT	LHL3 C	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-001TS-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24h clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)
(404 LEPON	115	MINNOW TRAPS	0.448			485-1
167258 1876	N50N (NOT404)	MINUOW TRAPS	3.49g		12	485-2
3 you		MINNOW	0.598			485-1
4 1 B6	(404)	MINNOW	4.659			2
Notae						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collec	tor(s):	Notes:		1177	**************************************	
Sampling Date(s):	7/1/22					
Weather Forecast:						
Air Temp: Wat	ter Temp:					
	YOY Sa	mpling Region (c	ircle one):			
Curds Inlet	HQ InletLHL1(Rocky Ar	m) LHL2(Dix	Dam)	LHL3 C	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001T5 - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)
D YOY BASS	1011	HIUWOW TRAPS	1.23g			445-1
	001404)	MIUDOW TRAPS	10.03g		28	48-3 48-3
3 1 GREEN	104>	MINNOW	3.759			
						1
Note:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to messure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collec	tor(s):	Notes:				CANADANA WATER CO.
Sampling Date(s):	4/30/20					
Weather Forecast:						
Air Temp: Wat	ter Temp:					
LCI/H Curds Inlet	HQ InletLHL1(Rocky A	ampling Region (LHL3 (Cove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-00175-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start	Sampling Duration (in hrs)	Sample Size	No. in Photo
078 B6	e.g. 50' north of C12, west shore)	HIUNOW TRAPS	27.45g		X7	YES-9 -
9 404 brss		MINNOW	6:479		le	485-Le
(3) 2 GRES	P-404)	MIUDOW	15.159		2	Z
					,	
						1
tes:						

a) Image containing groups of the collected YOY bluegHIs (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collector(s):		Notes:								
Sampling Date(s):	8/15/22									
Weather Forecast:										
Air Temp: Wat	er Temp:									
LOI	YOY Sa	impling Region (c	ircle one):							
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Di)	WEIGHT	LENGTH CHL3 C	ove LHL	6 Cove				
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 0017S - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Nime (Z4hr cłock)	Sampling Duration (in hts)	Sample Size (N≈)	No. in Photo ^a (N=)				
D YOY SUNPS	1	PIP	4.009	LARGEST = 24 mm K1 mm	257 ⇒	0-57 0-257				
				MOST = BEN	se (Imm	3-ALL				
			1							
Notes:										

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collecto	Primary Fish Collector(s):		Notes:					
Sampling Date(s):	8/16/22	7						
Weather Forecast:		1						
Air Temp: Wate	r Temp:							
	YOY Sa	mpling Region (c	ircle one):					
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Dix	WEIGHT	LENGTH	ove LHL	6 Cove		
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)		
D 404 BLUEGILL	-	HINNOW TRAPS/ ELECTROFISH	وادا	20 mm 49 mm	18	YES -18		
@ GLEEN		MOUUUN	0.9419	40mm		485-1		
3 404 50NPISH		DIP	2.709	≈13m	149	YES		

Notes:

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBELL

Primary Fish Collector(s):		Notes:						
Sampling Date(s):	8/17/22]						
Weather Forecast:								
Air Temp: Wat	er Temp:							
Curds Inlet	YOY Sa	mpling Region (c		TENOUT	ove LHL	6 Cove		
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (2 hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)		
D YOY CHO)		PID 130	3.539	% mm	95	YES-95		
D GOY WIT)	KINDOU	4.029	25 mm 46 mm	6	485-6		
3 YOU SU		MINNOW TRAPS	4.78g	45 mm 55 mm	3	485-3		
9 404 SUNFISH		DIP NET	1.729	10 mm 20 mm	17	455-17		
Notes:								

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Page 1 of 1

RAMBOLL

Primary Fish Collector(s):		Notes:					
Sampling Date(s):	7/1/22						
Weather Forecast:		*					
Air Temp: Wate	er Temp:						
Curds Inlet	YOY Sa	rm) LHL2(Dia		LHL3 C	ove LHL	6 Cove	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start/ Three (24h/ clack)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)	
① 404 BASS		HINDOW TRAPS	83.0		1	985-1	
3 Bb (NOT 40	५)	MIUDOW	22359		3	YES-3	

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:						
Sampling Date(s):	7/25/22							
Weather Forecast:								
Air Temp: Wate	er Temp:							
LCI Curds Inlet	YOY Sa	rm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove						
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Three (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)		
D a GREE	D TOO BIG							
O YOY BASS		ELECTRO- FISH	21.559		9	415-9		

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBULL

Primary Fish Collector(s):		Notes:							
Sampling Date(s)	: 7/2/0/22								
Weather Forecast									
Air Temp: W	ater Temp:								
LCA Curds Inle		ampling Region (circle one): Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove WEIGHT LENGTI4							
Sample ID: e.g. (YOYBASS-001-LHL6), o (YOYBASS - 001TS - LHL6		Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr chock)	Sampling Duration (in his)	Sample Size	No. in Photo ^a			
D 404 BASS		MILLION	1.188	1	1	YES			
@ 1404 B6		HINDOW TRAP	0.219	25mm	1	485			
3 404 Bb		NETTING	0.089	16 ,,,,,	2	48			
D 404		NETTING	0.4leg	11 mm	<i>3</i> 3	483			
Notes:		1							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

REMINISTR

Primary Fish Collecto	or(s):	Notes:						
Sampling Date(s):	8/18/22							
Weather Forecast:		1						
Air Temp: Wate	er Temp:							
LCI Curds Inlet	YOY Sa HQ InletLHL1(Rocky A	ampling Region (circle one): Arm) LHL2(Dix Dam) LHL3.Cove LHL 6 Cove WE16HT LEV6TH						
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24/ir clock)	Sampling Duration (In hrs)	Sample Size (N=)	No. in Photo ^a (N=)		
D YOY BUEGIL	L	MINDOW	8.0 8 g	18 mm 48 mm	12	48-12		
Notes:								

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	tor(s):	Notes:		1-custudy	Of the	
Sampling Date(s):	(6/30/2)					
Weather Forecast:	Clock of					
Air Temp: Wat	er Temp:					
Curds Inlet	YOY Sa	nmpling Region (o		LHL3 (Cove LHL	6 Cove
Sample ID: e.g. (YGYBASS-001-LHL6), or (YOYBASS-001YS-LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24)/r clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a
1 404 DPSS	ia - Ja	SEINE	10.149		19	45-16
904 LEFOH	IS	SEINE	0.128		I	485-1
To Parel site						
				,		
tes:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:				
Sampling Date(s):	8/16/22					
Weather Forecast:						
Air Temp: Wate	er Temp:					
MCI Curds Inlet	YOY Sail	mpling Region (c		LENGTH	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clook)	Sampling Duration (In hrs)	Sample Size	No. in Photo ^a (N=)
104 DMER!	L.	ELEURO- FISH	7. leleg	15 mm 4 le torn	15	YES-15
(2) GREEN SUNFI	SH ?	ELECTRO- FISH	3.718	50 rm	2	YES - 2
low is the a	n aciden (1) bradan preserva subsplasiv				1 1/201	
Notes:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:				
Sampling Date(s):	8/17/22					
Weather Forecast:						
Air Temp: Wate	er Temp:					
M C Curds Inlet	YOY Sa	mpling Region (c	ircle one): (Dam) (UEI GHT	LHL3 C	ove LHL	6 Cove
Sample ID: a.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N≃)
1 you		ELECTRO- FISH	24.209	46 mm 71 mm	9	485-9
(2) 404 GREEN		ELECTRO- FISH	5.929	44 mm 58 mm	3	185-3
3 you		ELECTRO- FISH	3.349	19 mm 45 mm	7	485-7
9 YOY SUUFISH		DIP	5.989	10 mm 22 mm	3576	455-352

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collecte	rimary Fish Collector(s):	Notes:							
Sampling Date(s):	4/30/22								
Weather Forecast:									
Air Temp: Wate	er Temp:								
UCI Curds Inlet	YOY Sa HQ InletLHL1(Rocky A	YOY Sampling Region (circle one): Rocky Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove WEIGH+							
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (29hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)			
O YOY BASS		MINNOW.	5.289		5	485-5			
	en e			-1					
Notes:			-						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:						
Sampling Date(s):	7/1/22							
Weather Forecast:								
Air Temp: Wat	er Temp:					7		
(VCI) Curds inlet	YOY Sa	Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove						
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of C12, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start/ Three (24br clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)		
D BRS	1/4	MINNOW	15.25g		15	485-15		
@ B6 (NOT)	804)	MINNON	3.49			455-1		
10 /4,7-0#3 / 21 / /35 mm	e sarya stau h . A				F-81			
						- Control Hill College		
Notae:								

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Page of

RAMBOLL

Primary Fish Collecto Sampling Date(s):	7/25/22	Notes:				
Weather Forecast:						
Air Temp: Wate	r Temp:					
Curds Inlet	YOY Sa HQ InletLHL1(Rocky A	nmpling Region (c	ircle one): Dam) WEIGHT	LHL3 (Cove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (Z4hr clock)	Sampling Duration (in hrs)	Sample Size (N≈)	No. in Photo ^a (N=)
15 you BASS		ELECTRO. FISH	28.75g		15	YES-15
3 86	,	MINDOW TICAP/ ELECTRO- FISH	13.089		4	485-41-
9 404 66		FLECTROPSH	0.419		1	Ų
(3) B6 (NOT40))	Ti .	10.68g		۵	4
404 6888N		١	1.719		J	L

Page of

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collector(s):	Notes:						
Sampling Date(s):	7/26/22						
Weather Forecast:	.,,						
Air Temp: Wate	er Temp:						
Curds Inlet	YOY Sa HQ InletLHL1(Rocky A	rm) LHL2(Dix	ircle one): (Dam) WE161FT	LEUBTH	cove LHL	6 Cove	
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Thine (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)	
O 86		MINDOW TRAP	0.719	38 mu		Y83	
Notes							

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect	or(s):	Notes:				
Sampling Date(s):	8/16/22					
Weather Forecast:	7 101					
Air Temp: Wate	er Temp:					
VCI Curds Inlet	YOY Sa	mpling Region (c	ircle one): (Dam) (WEIGHT	LENGTH	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr clock)	Sampling Duration (in his)	Sample Size (N=)	No. in Photo ^a (N=)
D YOY	NL.	MINUON	5.519	17 mm 50 mm	10	485-10
Notes:						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

RAMBOLL

Primary Fish Collect		Notes:						
Sampling Date(s):	8/17/22							
Weather Forecast:								
Air Temp: Wat	er Temp:							
UCI Curds Inlet	YOY Sa	ampling Region (circle one): Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove WE161-T LENGTH						
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Nime (24hr clock)	Sampling Duration (in hrs)	Sample Size	No. in Photo ^a (N=)		
1) 404 BLUEG	nu	SLECTRO - FISH MINUMON TRA	4.78g	16 mm 51 mm 18 mm 54 mm	11	485-11		
S GREEN SUNFI	Pit	K	4.339	18 mm 54 mm	4	485-4		
Notes:								

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

DAMES AND

Primary Fish Collector(s):		Notes:				
Sampling Date(s):	8/18/22					
Weather Forecast:						
Air Temp: Wat	er Temp:					
	YOY Sa	ampling Region (c	ircle one):			
Curds Inlet	HQ InletLHL1(Rocky A	rm) LHL2(Di)	WEIGHT	LYNGTH C	ove LHL	6 Cove
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Tinge (24hr closk)	Sempling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
D GOY	L	HINDOM +	O.Ileg	Hm	1	485-1
D YOY STEELY STEELY	NFISH	ELEUTRO- FISIA	1.73 g	48 mm		485-1
Motoc						

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

PAMPAGET

Primary Fish Collect	or(s):	Notes:						
Sampling Date(s):	8/19/22							
Weather Forecast:								
Air Temp: Wate	er Temp:							
Curds Inlet	YOY Sa	ampling Region (c	ircle one): Dam) LOEIGHT	LSNGTH C	ove LHL	6 Cove		
Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001TS - LHL6)	Sampling Location Description e.g. 50' north of CI2, west shore)	Sampling Method (Seine, Electrofish, Minnow Trap etc.)	Start Time (24hr closk)	Sampling Duration (m hrs)	Sample Size	No. in Photo ^a (N=)		
(1) BY THE CITY		MINNOW TRAPS	11.359	27m 58mm	10	485-10		
Q GLEEN D HOA BTREGIT		MOUNIN	1.869	50 mm		485-1		
Notes:								

a) Image containing groups of the collected YOY bluegills (typically accompanied by the Sample ID label and/or at time of placing the sample on the weighing scale) to mesaure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

APPENDIX C3: WATER QUALITY FIELD MEASUREMENTS

Appendix C3. Water Quality **Field** Measurements Herrington Lake Corrective Action Plan: 2022 Monitoring Phase Mercer County, Kentucky

Water Quality Sampling Location	Sampling Date	Time	Temp°c	DO %/L	DO mg/L	Specific Cond- uctivity mS/cm	Cond- uctivity µg/cm	рН	ORP mV	NTU	Secci Depth ft. bws
Upper Curds Inlet		3:20 pm	29.9	143	10.5	0.22	240.8	9.04	70.3	-0.16	2.5
Middle Curds Inlet	1	4:11 pm		144	10.7	0.22	239.6	9.06	144.5	-0.83	2.25
Lower Curds Inlet	Aug 19th,	4:24 pm	30.5	145	10.6	0.219	242.2	9.05	169.5	-0.66	3
HQ Inlet	2022	4:34 pm	29.9	139	10.3	0.221	241.2	9.01	166.7	2.42	3
LCI/HQ Average		4:29 pm	30.2	142	10.45	0.22	241.7	9.03	168.1	0.88	3
Hardin Inlet		3:20 pm	30.0	144	10.6	0.213	233.6	8.94	77.5	-0.58	3

Notes:

%/L = Percent per liter

oc - Degrees Centigrade

µg/cm = Micrograms per centimeter

DO - Dissolved Oxygen

mg/L = milligrams per Liter

mV = Millivolts

ft. bws = feet below water surface

HQ = Was once thought to have been Headquarters

NTU = Nephelometric Turbidity Unit
ORP = Oxidation / Reduction Potential

Upper Curds Inlet



Middle Curds Inlet



Lower Curds Inlet



HQ Inlet



Hardin Inlet



APPENDIX D: 2022 MONITORING PHASE YOY BLUEGILL WHOLE-BODY WEIGHTS AND GROUPINGS FOR TISSUE ANALYSIS

Appendix D. YOY Field Weights and Grouping for Whole-Body Tissue Analyses Herrington Lake Corrective Action Plan: 2022 Monitoring Phase Mercer County Kentucky

Mercer County, Kentucky								
Bluegill Sampling Region	Bluegill Lifestage ^(a, b)	Summer 2022 Sampling Date	Weight (g)	Number of Fish	Approx. Weight Per Fish (a)	Combined Sample Weight (a)	Sample Analyzed	
o _		July 25	0.41	1	0.41		Sample 1 YOY(BG)-001-UCI-220725	
≝	YOY	July 26	0.71	1	0.71	6.06		
Upper Curds Inlet ^c		August 17	4.78	11	0.43			
		August 18	0.16	1	0.16			
	YOY	August 16	5.51	10	0.55	5.51	Sample 2 YOY(BG)-002-UCI-220816	
	YOY	August 19	11.35	10	1.1	11.35	Sample 3 YOY(BG)-003-UCI-220819	
ᅀ	Juvenile	July 1	3.4	1	3.4	NA	No (a)	
	Juvenile	July 25	10.68	2	5.3	NA	No (a)	
	Upper Curds Inlet YOY Totals (not including 2021 Juveniles)		22.92	34	0.67	combined	3 + field dup	
Middle Curds Inlet	YOY	August 16	7.66	15	0.51	7.66	Sample 1 YOY(BG)-001-MCI-220816	
	YOY	June 30	0.12	1	0.12	3.46	Sample 2 YOY(BG)-002-MCI-220630	
		August 17	3.34	7	0.48			
	YOY Swimup	August 17	5.98	356	0.017	5.98	Sample 3 YOY(BG)-003-MCI-220817	
		unda Inlat Tatala	47.4	070	0.045			
Middle Curds Inlet Totals		17.1	379	0.045	combined	See breakdown by size		
	MCI Total ≥0.1g/fish (YO)		11.12	23	0.48		2	
	MCI Sum <0.1g/fis	sh (YOY Swimup)	5.98	356	0.017		1	
Is Inlet	YOY Swimup	July 26	0.08	2	0.040	12.77		
				33	0.014		Sample 1 YOY(BG)-001-LCI-220726	
		July 26 August 15	6.0	314	0.014			
		August 16	2.7	149	0.019			
		August 17	3.53	95	0.018			
Lower Curds Inlet	YOY	July 26	0.21	1	0.21	10.44	Sample 2 YOY(BG)-002-LCI-220726	
		August 16	6.21	18	0.35			
		August 17	4.02	6	0.67			
	YOY	August 17	1.72	17	0.10	9.80	Sample 3 YOY(BG)-003-LCI-220817	
		August 18	8.08	12	0.67			
		June 30th	27.45	7	3.9	NA	No (a)	
	Juvenile	July 1st	22.35	3	7.5	NA	No (a)	
		urds Inlet Totals 2021 Juveniles)	33.0	647	0.051	combined		
	LCI Total ≥0.1g/fish (YOY)		20.2	54	0.37		2	
	LCI Total <0.1g/fis	LCI Total <0.1g/fish (YOY Swimup)		593	593 0.022		1 + split	
Hardin Inlet	YOY	August 15	10.58	9	1.2	10.58	Sample 1 YOY(BG)-001-HI-220815	
		August 16	6.93	9	0.77		Sample 2	
	YOY	August 17	5.75	6	0.96	12.68	YOY(BG)-002-HI-220816	
		July 26	1.09	2	0.55			
	YOY	August 18	13.78	16	0.86	15.13	Sample 3 YOY(BG)-003-HI-220726	
		August 20	0.26	2	0.13			
	Juvenile	June 30th	7.16	1	7.2	NA	No (a)	
	Juvenile	July 25th	14.02	3	4.7	NA	No (a)	
<u>, </u>	HI 2022 YOY Totals (not including 2021 Juveniles)		38.39	51	0.75	combined	3 + MS/MSD	
Notes: BG	Bluegill	•						
g	gram							
HI	HI Hardin Inlet							

Lower Curds Inlet LCI

Middle Curds Inlet MCI UCI Upper Curds Inlet

YOY Young-of-the-Year

(a) The bluegill juvenile size (weight, length) indicates that the bluegill was likely spawned in 2021.

(b) The bluegills 2022 YOY size (weight, length) indicates that is spawned in 2022 - Retained for analytical sampling for Selenium

(c) Upper Curds Inlet (UCI) is closest to E.W. Brown Station.

Post-Swimup These YOY bluegill were smaller (less than 0.1g) than other YOY fish, so they were grouped separately for analyses.