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APPENDIX A: SAMPLE LOCATION GEOGRAPHIC COORDINATES

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

Adult Fish (RAO 1)			BCA (ROA 3)			
Adult Fish Sampling Region ↓	Longitude (decimal degrees)	Latitude (decimal degrees)	BCA (RAO 3) Sampling Region ↓	BCA Sampling Location	Longitude (decimal degrees)	Latitude (decimal degrees)
Curds Inlet	-84.71271	37.78505	Curds Inlet (Sorted by distance from The Plant)	CURDSNB	-84.71462	37.78562
Rocky Run (LHL1)	-84.69889	37.78059		CURDS1	-84.71445	37.78569
Dix Dam (LHL2)	-84.70643	37.78484		CI1A	-84.71433	37.78569
Hardin inlet	-84.71662	37.77281		CI1B	-84.71433	37.78566
LHL6 (Near Sunset Marina)	-84.69286	37.75907		CI1C	-84.71433	37.78563
MHL (Near Gwinn Island)	-84.71623	37.72514		CURDS2A	-84.71391	37.78553
				CURDS2B	-84.71394	37.78548
				CI2A	-84.71370	37.78544
				CI2B	-84.71374	37.78539
				CI2.1A	-84.71308	37.78540
				CI2.1B	-84.71313	37.78531
				CI2.2A	-84.71263	37.78513
				CI2.2B	-84.71271	37.78505
				CI3A	-84.71226	37.78485
				CI3B	-84.71237	37.78475
				CI3.1A	-84.71192	37.78460
				CI3.1B	-84.71206	37.78449
				CI3.2A	-84.71169	37.78430
				CI2.2B	-84.71180	37.78422
				Hardin Inlet	HI1A	-84.71675
			HI1B		-84.71662	37.77281
			HI1C		-84.71673	37.77274

Notes:

- CI Curds Inlet
- HI Hardin Inlet
- HQ HQ Inlet
- LCI Lower Curds Inlet
- LHL Lower Herrington Lake
- MHL Middle Herrington Lake
- MCI Middle Curds Inlet
- RAO Remedial Action Objective
- UCI Upper Curds Inlet

(a) Surface water samples and water quality measurements 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.

Coordinates are reported in NAD 1983 US decimal degrees.

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

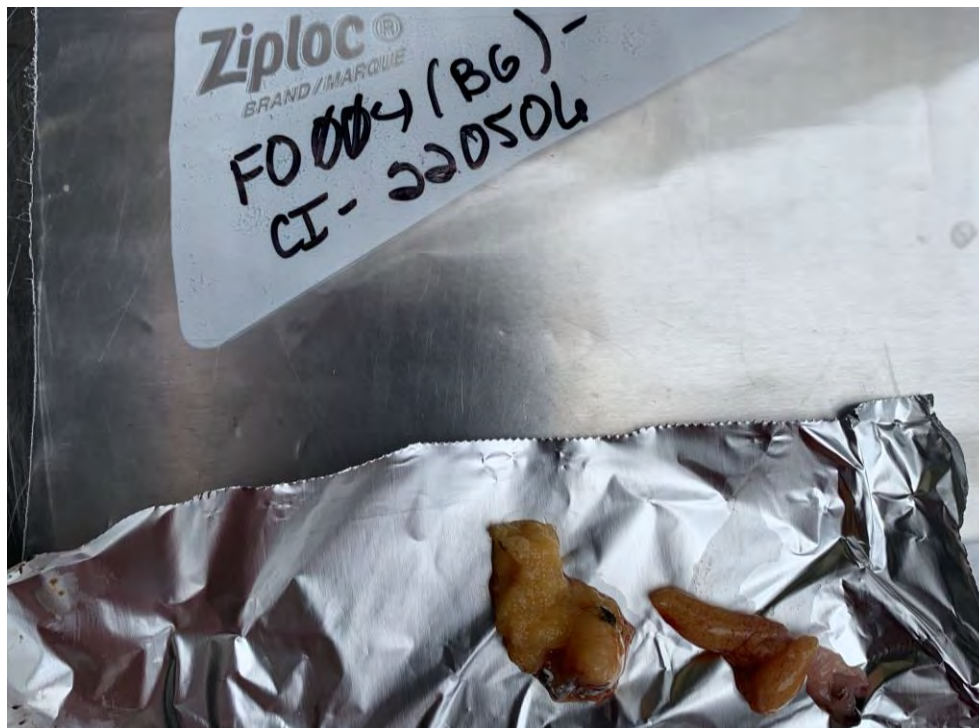


Image 2: Adult gravid female ovary sample (1 of 3) from Curds Inlet.
Sample ID = FO-004(BG)-CI-220506





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





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





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





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





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





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





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





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.
Sample ID = FWB-002(LMB)-LHL1-220504





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





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





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.



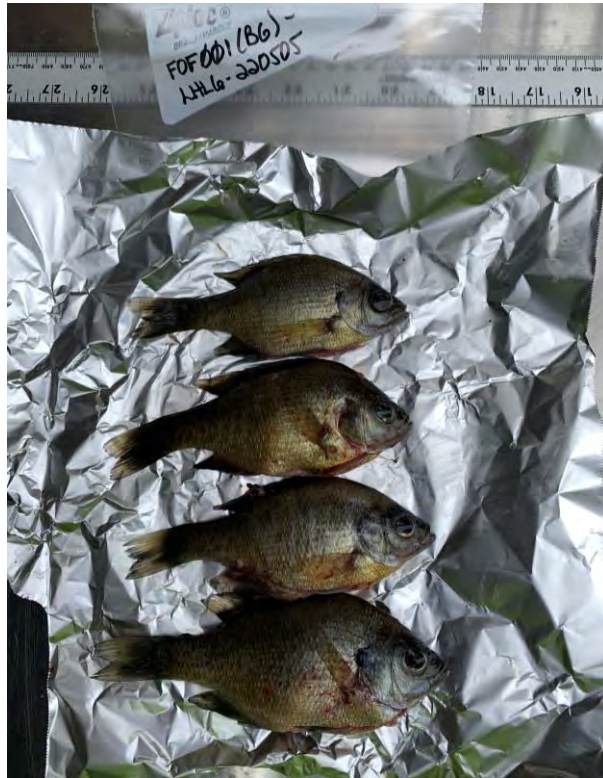


Image 25: Bluegill composite sample (1 of 3) from LHL6 Near Sunset Marina.
Sample ID = FOF-001(BG)-LHL6-220505



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





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

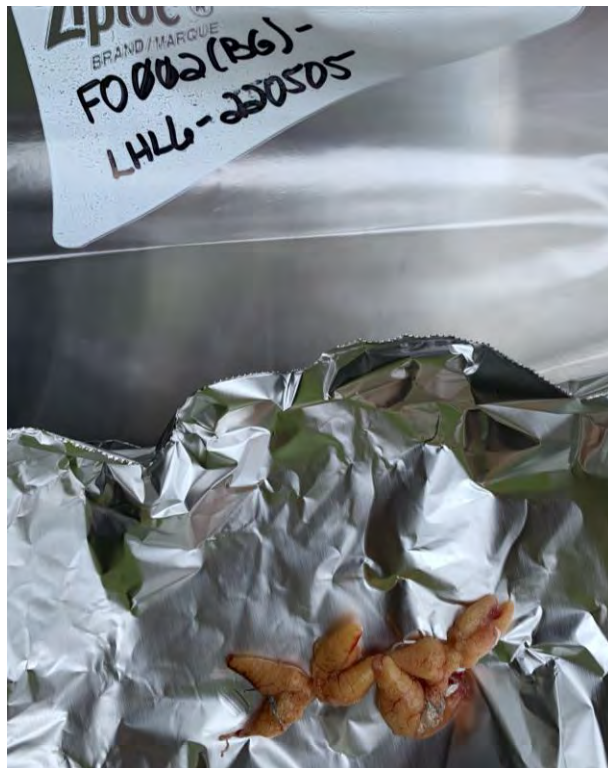


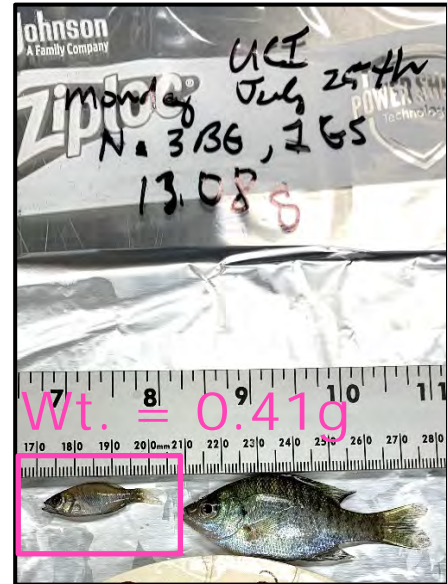
Image 28: Ovaries from Bluegill composite sample (2 of 3) from LHL6 Near Sunset Marina.
Sample ID = FO-002(BG)-LHL6-220506



APPENDIX B2: YOY BLUEGILL DIGITAL IMAGE LOG

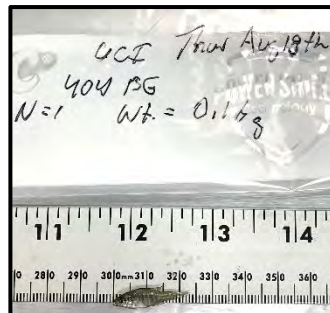
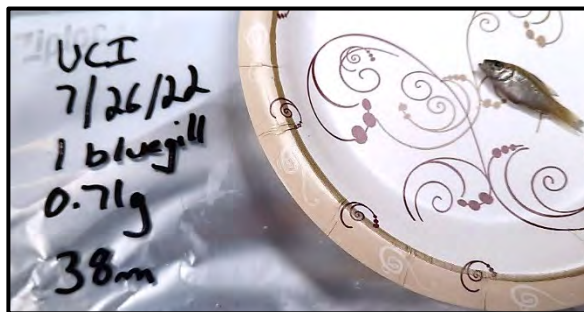
Image 1 (right) contains one YOY bluegill (highlighted in pink) of the 14 YOY bluegill selected for YOY composite Sample 1 from Upper Curds Inlet.

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

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





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

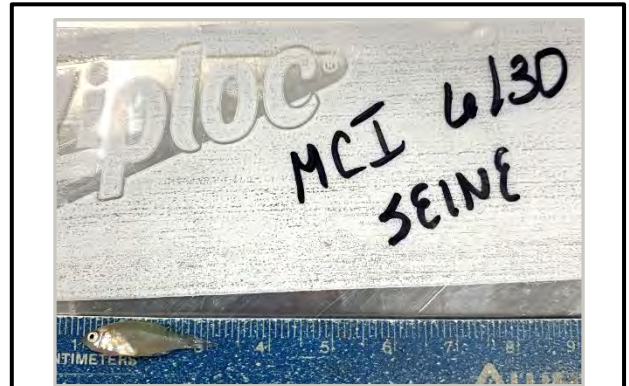


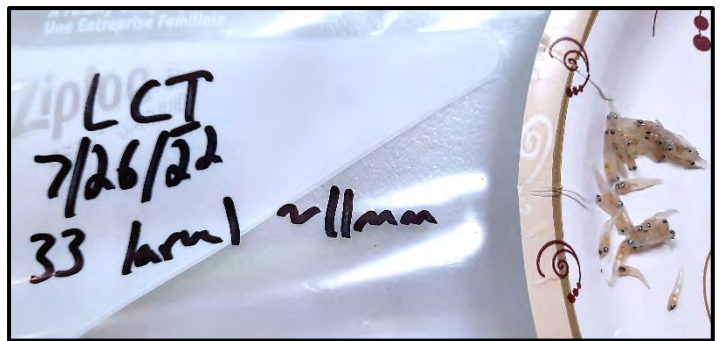
Image 10 (left) displays the 356 post-swimup YOY *Lepomis* sp. composite sample 3 from Middle Curds Inlet
 Sample id = YOY(BG)-003-MCI-220817



Appendix B2
 YOY Bluegill (*Lepomis Sp.*) Sample Image Log
 Herrington Lake 2022 Monitoring Phase
 E>W Brown Station, Herrington Lake, Mercer County,
 Kentucky

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

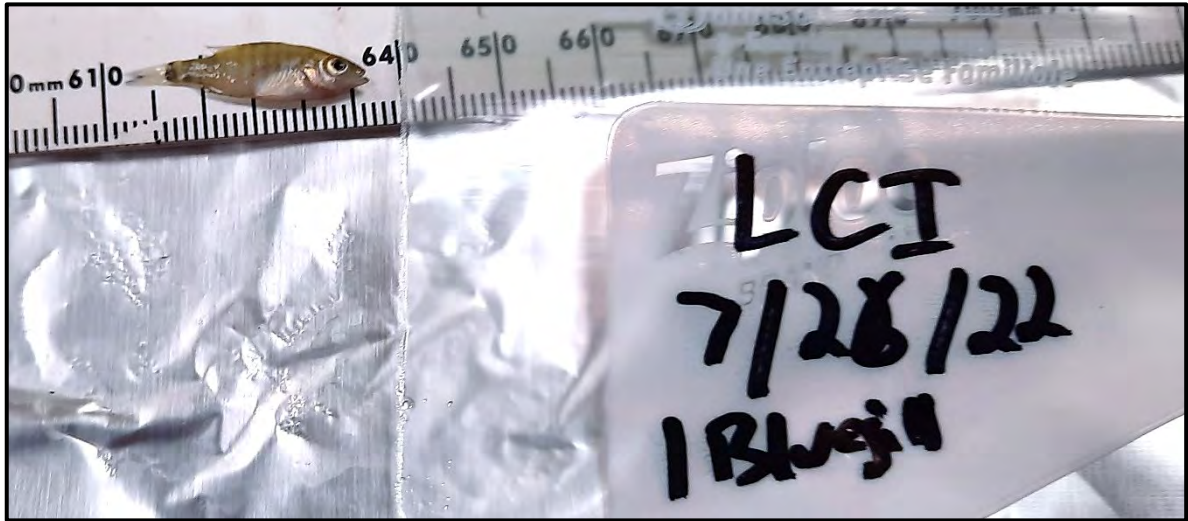
Sample id = YOY(BG)-001-MCI-220726



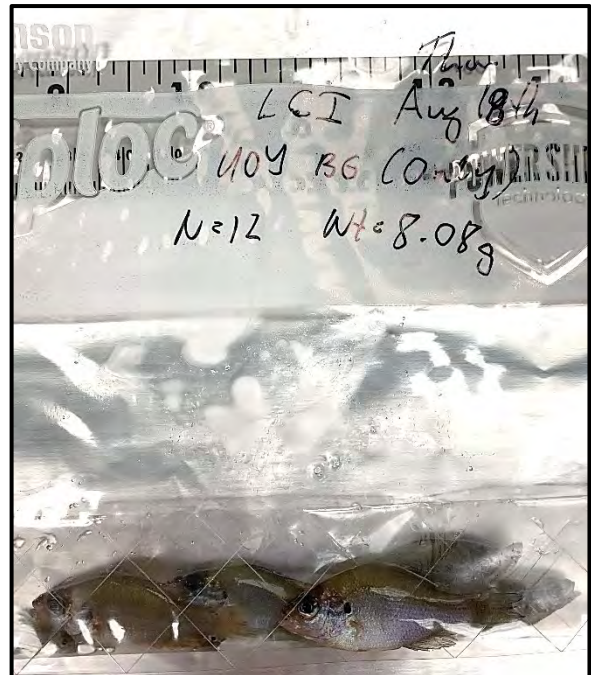
Appendix B2

YOY Bluegill (*Lepomis* Sp.) Sample Image Log
Herrington Lake 2022 Monitoring Phase
E>W Brown Station, Herrington Lake, Mercer County,
Kentucky

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



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



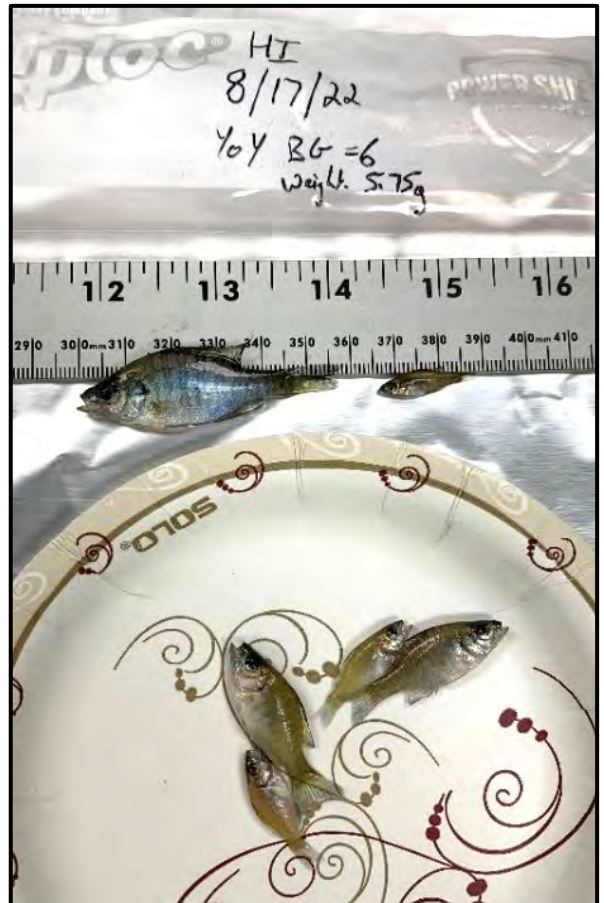
Appendix B2

YOY Bluegill (*Lepomis Sp.*) Sample Image Log
Herrington Lake 2022 Monitoring Phase
E>W Brown Station, Herrington Lake, Mercer County,
Kentucky

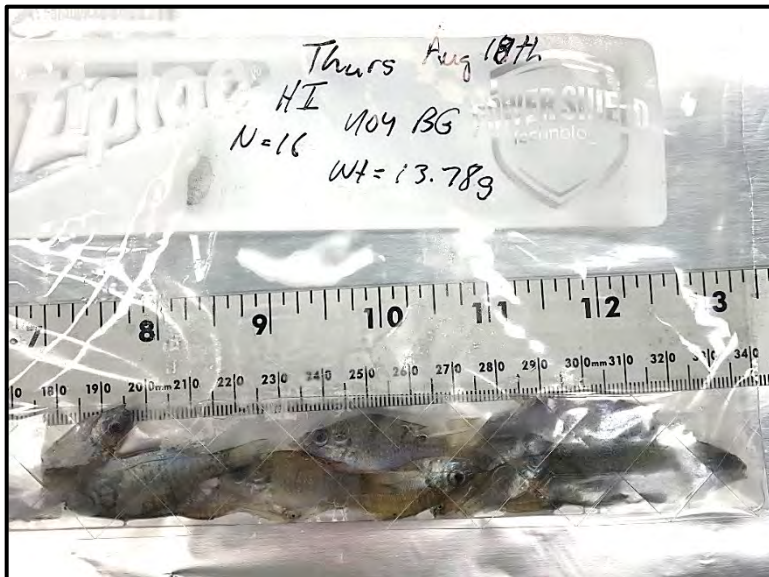
Image 24 (right) displays the 9 YOY bluegills in YOY composite Sample 1 of 3 from Hardin Inlet
 Sample id = YOY(BG)-001-HI-220815



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



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 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.





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



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.



Image 9 (above): CI2.2A BCA Sampling Location Replicate 2.



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

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





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



Image 12 (above) CI3 BCA retrieved colonized sampler.



Image 13 (above): CI 3.1A 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.



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.





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 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

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): <u>CORDS INLET</u>		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: <u>5/4/22</u>		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1	001	MICROPTERUS	SALMIDES	333	480	FWB001 (LMB) - CI
1	002	"	"	348	580	
2	003	"	"	403	920	FWB003 (LMB) - CI
2	004	"	"	402	1040	
3	005	LEPOMIS	MACROCHIRUS	158	95	FWB005 (BG) - CI
3	006	"	"	158	85	
3	007	"	"	177	105	
3	008	"	"	165	95	
3	009	"	"	160	80	
4	010	"	"	140	50	GRAVID FEMALE - OVARY 1.4 CARCASS 49.5
5	011	"	"	134	49.5	GRAVID FEMALE - OVARY 2.11 CARCASS 470
6	012	"	"	140	50	FWB002 (BG) (ED003)
6	013	"	"	140	51	
7	014	"	"	144	53	GRAVID FEMALE - OVARY 1.89 CARCASS 52
6	015	"	"	141	55	

24+5+7+8
FWB001 / FWB001
OVARY 1.4
CARCASS 49.5
OVARY 2.11
CARCASS 470
ED003
OVARY 1.89
CARCASS 52

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

**Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form**



Sampling Location ID (e.g. LHL-2): CURDS INLET		Fish Sampling Location Description:				
KDFWR Wildlife Collection Permit#:		Notes / Observations:				
Date: 5/6/22						
Start Time:						
GPS Coordinates or Geographic Location:						
Investigators:				Weather at Start:		
Flow status (circle one): runoff event high flow low flow normal other						
Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
8	001	LEPOMIS	MACROCHIRUS	136	42.1	GRAVID FEMALE COMBING
8	002	"	"	132	39.2	FOF 004 (B6) - CI - 220506
9	003	"	"	131	37.5	(FOF 004 (B6) - CI - 220506)
9	004	"	"	124	30.6	GRAVID FEMALE (FOF 003)
9	005	"	"	124	31	FOF 005 (B6) - CI - 220506
9	006	"	"	135	39	FOF 006 (B6) - CI - 220506
9	007	"	"	136	40.4	OVARIES 5.22g CARCASS 17.14g
10	008	"	"	133	32.5	GRAVID FEMALE (FOF 003)
10	009	"	"	121	30	FOF 009 (B6) - CI - 220506
10	010	"	"	126	31	FOF 010 (B6) - CI - 220506
10	011	"	"	117	24	OVARIES - 4.22g CARCASS - 139.97g
	012	"	"	118	25.5	
	013					
	014					
	015					
Length (mm) of 75%tile of Longest Fish:				Total # Fish Collected in Sample:		
Collected by:		Date:		Time:		
Relinquished by:		Date:		Time:		
Received by:		Date:		Time:		

OVARIES 4.0g
CARCASS 81.1g
4+5+7+8

(FOF 003)

(FOF 003)

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): <u>LHL1</u>		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations: <u>OVERCAST; 58°F</u>	
Date: <u>5/4/22</u>		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1	001	MICROPTERUS	SALMOIDES	310	380	FL0B001(LMB)-LHL1-220504
1	002	"	"	284	390	LESION ON LIP
1	003	"	"	386	300 300	
2	004	"	"	360	680	FL0B002(LMB)-LHL1-220504
2	005	"	"	400	880	
2	006	"	"	385	820	
3	007	LEPOMIS	MACROCHIRUS	165	98	FL0B001(BG)-LHL1-220504
3	008	"	"	173	98	
3	009	"	"	164	70	
3	010	"	"	170	90	
3	011	"	"	150	55	
4	012	"	"	125	30	FL0B002(BG) LHL1-220504
4	013	"	"	136	39	FL0B001/FL0B001
5	014	"	"	112	19	GRAVID FEMALE
4	015	"	"	125	30.5	

EARLY 2.15
 APPROX 17g
 FL0B001(BG)
 ↓
 COMBINE WITH
 5+6+7+8+10

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): LHL1	Fish Sampling Location Description:
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KDFWR Wildlife Collection Permit#:	Notes / Observations:
Date: 5/4/22	
Start Time:	

GPS Coordinates or Geographic Location:

Investigators:	Weather at Start:
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Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
6	001	LEPOMIS	MACROCHIRUS	122	28	GRAVID FEMALE FOOD(1)/FOOD(1)
7	002	"	"	124	32	GRAVID FEMALE
8	003	"	"	111	21	GRAVID FEMALE
	004					OVARY - 0.5g CARCASS - 20.1
	005					FOOD(1)(B6)
	006					COMBINE WITH 5+6+7+8+10
	007					
	008					
	009					
	010					
	011					
	012					
	013					
	014					
	015					

FOOD(1)(B6)
OVARY 1.96g
CARCASS 26g
OVARY 0.92g
CARCASS 29.5g
FOOD(3)(B6)

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): LHL1		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: 5/6/22		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
9	001	LEPOMIS	MACROCHIRUS	114	25.5	FOODS/FOODS GRAVID FEMALE
9	002	"	"	116	27.5	FOODS (BG) - LHL1 - 220506
9	003	"	"	114	26.5	FOODS (BG) - LHL1 - 220506
9	004	"	"	114	23	OVARY - 7.15g CARCASS - 119.1g
9	005	"	"	116	25.2	FOODS/FOODS
10	006	"	"	106	19	GRAVID FEMALE
	007					COMBINE WITH # 5+6+7+8+10
	008					FOODS (BG) - LHL1 - 220506
	009					FOODS (BG) - LHL1 - 220506 OVARY - 0.51g CARCASS - 17.87
	010					
	011					
	012					
	013					
	014					
	015					

Length (mm) of 75%tile of Longest Fish:		Total # Fish Collected in Sample:	
Collected by:	Date:	Time:	
Relinquished by:	Date:	Time:	
Received by:	Date:	Time:	

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): <u>LHL2</u>		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: <u>5/4/22</u>		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1 8	001	MICROPTERUS	SALMOIDES	370	700	FL0B002 (LMB) - LHL2
1	002	"	"	423	1140	FL0B001 (LMB) - LHL2 - 220504
1	003	"	"	400	980	
2	004	"	PUNCTULATUS	327	400	FL0B001 (KB) - LHL2 - 220504
2	005	"	"	322	510	
3	006	LEPOMIS	MACROCHIRUS	157	70	FL0B001 (BG) - LHL2 - 220504
3	007	"	"	181	120	
3	008	"	"	151	55	
3	009	"	"	153	65	
3	010	"	"	159	80	
4	011	"	"	145	50	GRAVID FEMALE
5	012	"	"	143	48	FL0B002 (BG) - LHL2
5	013	"	"	146	49	
5	014	"	"	137	38	
5	015	"	"	124	32	

FOOD (BG)
QUARTY 2.25g
CARCASS 488
COMBINE WITH
4+6+7+9

Length (mm) of 75%tile of Longest Fish:		Total # Fish Collected in Sample:	
Collected by:	Date:	Time:	
Relinquished by:	Date:	Time:	
Received by:	Date:	Time:	

Notes:

Herrington Lake Monitoring Phase
 Adult Fish Tissue Collection
 and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): LHL2	Fish Sampling Location Description:
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KDFWR Wildlife Collection Permit#:	Notes / Observations:
Date: 5/4/22	
Start Time:	

GPS Coordinates or Geographic Location:

Investigators:	Weather at Start:
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Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
5	001	LEPOMIS	MACROCHIRUS	138	39.5	
6	002	"	"	133	42	GRAVID FEMALE
7	003	"	"	112	23	GRAVID FEMALE
8	004	MICROPTERUS	SALMONIDES	376	740	OVARY - 0.24g CARCASS - 22.2g
	005					FOODS
	006					→ FWB 002 (LMB) - LHL2
	007					
	008					
	009					
	010					
	011					
	012					
	013					
	014					
	015					

FOODS
 OVARY 1.37
 CARCASS - 41.4
 COMBINE WITH
 4+6+7+9

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
 Adult Fish Tissue Collection
 and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): <u>LHL2</u>		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: <u>5/6/22</u>		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
9	001	LEPOMIS	MACROCHIRUS	112	22.5	GRAVID FEMALE
9	002	"	"	104	17	FOODS (B6) - LHL2 - 220506 FOODS (B6) - LHL2
10	003	"	"	134	39.5	GRAVID FEMALE
10	004	"	"	134	36.7	FOODS (B6) - LHL2 - 220506 FOODS (B6) - LHL2 - 220506
10	005	"	"	127	32.5	OVARY - 6.61g
10	006	"	"	106	18.8	CARCASS - 141.77
10	007	"	"	113	22	
	008					
	009					
	010					
	011					
	012					
	013					
	014					
	015					

COMBINE WITH 4+6+7
 OVARY - 1.8g
 CARCASS 36.6g

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): LHL6		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: 5/5/22		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1	001	MICROPTERUS	SALMOIDES	406	920	FLWB001 (LMB) - LHL6 - 220505
1	002	"	"	462	1540	
2	003	"	"	325	400	FLWB002 (LMB) - LHL6 - 220505
2	004	"	"	312	420	
3	005	ALEPOMIS	MACROCHIRUS	153	58	GRAVID FEMALES - OVARIES 4.44g CARCASS 217.4g
3	006	"	"	158	64	FOF001 (B6) - LHL6 - 220505
3	007	"	"	145	51	FOF001 (B6) - LHL6 - 220505
3	008	"	"	140	40.4	GRAVID FEMALES - OVARIES 4.76g CARCASS 145.5
4	009	"	"	124	29.5	FOF002 (B6) - LHL6 - 220505
4	010	"	"	126	31	FOF002 (B6) - LHL6 - 220505
4	011	"	"	125	31.5	
4	012	"	"	120	26	
4	013	"	"	126	34.5	
5	014	"	"	127	27.8	HOLD OVARIES ONLY
5	015	"	"	124	29.4	

COMBINE 3+4

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
 Adult Fish Tissue Collection
 and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): LHL6		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: 5/5/22		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
5	001	LEPOMIS	MACROCHIRUS	115	23.7	FOOD ² (B6) - LHL6
5	002	"	"	124	28.9	FOOD ² (B6) - LHL6
5	003	"	"	118	26.7	OVARIES 5.65g CARIAS 112g
	004					
	005					
	006					
	007					
	008					
	009					
	010					
	011					
	012					
	013					
	014					
	015					

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): MHL		Fish Sampling Location Description:
KDFWR Wildlife Collection Permit#:	Notes / Observations:	
Date: 5/17/22		
Start Time:		
GPS Coordinates or Geographic Location:		
Investigators:		Weather at Start:

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1	001	MICROPTERUS	SALMOIDES	385	680	FWB001 (LMB) - MHL-220507
1	002	"	"	400	800	"
2	003	"	"	341	550	FWB002 (LMB) - MHL-220507
2	004	"	"	354	600	"
3	005	LEPOMIS	MACHROCHIRUS	155	53	GRAVID FEMALE
3	006	"	"	136	45.8	FO001 (Bg) - MHL-220507
3	007	"	"	124	28.8	FOF001 (Bg) - MHL-220507
3	008	"	"	124	27.9	OVARY - 6.65g CARCASS - 178.5g
3	009	"	"	121	26	"
4	010	"	"	114	25.3	GRAVID FEMALE
4	011	"	"	103	12.5	FO002 (Bg) - MHL-220507
4	012	"	"	114	21.4	FOF002 (Bg) - MHL-220507
4	013	"	"	109	20.5	OVARY - 285g CARCASS - 105.27g
4	014	"	"	118	25.7	"
	015					

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

Herrington Lake Monitoring Phase
Adult Fish Tissue Collection
and Chain-Of-Custody Form



Sampling Location ID (e.g. LHL-2): HARDIN INLET	Fish Sampling Location Description:
---	-------------------------------------

KDFWR Wildlife Collection Permit#: Date: 5/5/22	Notes / Observations:
Start Time:	

GPS Coordinates or Geographic Location:	Weather at Start:
---	-------------------

Flow status (circle one): runoff event high flow low flow normal other

Sample #	Fish #	Genus	Species	Length (mm)	Weight (grams)	Comments
1	001	LEPOMIS	MACROCHIRUS	133	37	GRAVID FEMALES
1	002	"	"	139	52	FOOD1(B6) - HI-220505
1	003	"	"	127	36.8	FOOD1(B6) - HI-220505
1	004	"	"	133	41.5	
1	005	"	"	136	47	
2	006	"	"	131	39	GRAVID FEMALES
2	007	"	"	128	34.5	FOOD2(B6) - HI-220505
2	008	"	"	133	44.2	FOOD2(B6) - HI-220505
2	009	"	"	120	29.5	
2	010	"	"	114	25.2	
	011					
	012					
	013					
	014					
	015					

OVARY 10.24g
CARCASS 23.8g

OVARY 9.48g
CARCASS

Length (mm) of 75%tile of Longest Fish:	Total # Fish Collected in Sample:	
Collected by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

Notes:

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

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) HARDW INLET 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.)	WEIGHT Start Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BASS		ELECTR.+ SEINE	42g		68	YES-68
② + BLUEGILL 10 GREEN (NOT YOY)		ELECTRO-FISH	49.12g 56.81g		11 10	YES-11
③ BG (NOT YOY)		ELECTRO-FISH	7.16g		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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/1/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1(Rocky Arm) LHL2(Dix Dam) HARLOW WLET 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 (24hr clock) WEIGHT	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BASS		ELECTRO-FISH	8.39g		17	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/25/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ InletLHL1(Rocky Arm) LHL2(Dix Dam) HARDIN INLET LHL3 Cove LHL6 Cove

WEIGHT

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=)
① 7 GREEN 3 BG (NOT YOY)		MINNOW TRAPS	13.8T 29.10g		7 7	YES - 10
② BG (NOT YOY)		MINNOW TRAPS	14.02g		3	

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.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/26/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one): HARDIN INLET

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

WEIGHT 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① 2 BG 404		MIDLOW TRAPS	1.09g	37 mm 33 mm	2	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/15/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet
 HQ Inlet LHL1 (Rocky Arm)
 LHL2 (Dix Dam)
 LHL3 Cove
 LHL 6 Cove

WEIGHT LENGTH

HARDIN IDLET

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=)
① 9 YOY BLUEBILL		ELECTRO- FISHING	10.58g	20-49mm	9	YES-9
② 2 YOY GREEN		ELECTRO- FISHING	2.12g	40mm 47mm	2	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/16/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

HARDW INLET

~~WEIGHT~~ ~~LENGTH~~

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=)
① YOY BLUEGILL		ELECTRO-FISH	6.93g	27 mm 43 mm	9	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

HI

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/17/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one): HARDIN INLET

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

WEIGHT LENGTH

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=)
① YOY BLUEGILL		ELECTRO-SHOCK	5.75g	22 mm 56 mm	6	YES-6
② GREEN SUNFISH YOY		ELECTRO-SHOCK	0.70g	36mm	1	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/18/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) HARDIN INLET LHL3 Cove LHL 6 Cove

WEIGHT LENGTH

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=)
① YOY BLUEGILL		ELECTRO-FISH	13.78g	25 min 50 min	16	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/20/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1(Rocky Arm) LHL2(Dix Dam) HARDW LULET LHL3 Cove LHL 6 Cove

WEIGHT 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. In Photo ^a (N=)
① YOY BLUEGILL		MINNOW TRAP	0.2kg	21 min	2	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1(Rocky 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 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=)
① BLUEGILL YOY (NOT YOY)		MINNOW TRAPS	4.098		2	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 5 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=)
① YOY LEPOMIS		MINNOW TRAPS	0.44g		1	YES-1
② 1 GREEN SUN FISH (NOT YOY)		MINNOW TRAPS	3.49g 8.77g		1	YES-2
③ YOY BASS		MINNOW TRAPS	0.59g		1	YES-1
④ 1 BG (NOT YOY)		MINNOW TRAP	4.65g		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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/1/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1(Rocky Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove

Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS - 001T5 - 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=)
① YOY BASS		MINNOW TRAPS	1.23g		1	YES-1
② 2 BG (NOT YOY) 1 GREEN		MINNOW TRAPS	10.03g 11.09g		2	YES-3 YES-2
③ 1 GREEN (NOT YOY)		MINNOW TRAPS	3.75g		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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI/HQ HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

Sample ID: e.g. (YOYBASS-001-LHL6), or (YOYBASS-0017S-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 (N=)
① 78 B6 (NOT YOY) 2 GREEN		MINNOW TRAPS	27.45g 22.91g		7	YES-9
② YOY BASS		MINNOW TRAPS	6.47g		6	YES-6
③ 2 GREEN (NOT YOY)		MINNOW TRAP	15.15g		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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/15/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI Curds Inlet
 HQ Inlet LHL1 (Rocky Arm)
 LHL2 (Dix Dam)
 LHL3 Cove
 LHL 6 Cove

WEIGHT 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY SUNFISH		DIP NETTING	6:00g	LARGEST = 24 mm K1 mm	204 57+ 257 ⇒	① - 57 ② - 257
				MOST = 24 11 mm		③ - ALL

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.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/16/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BLUEGILL		MINNOW TRAPS/ELECTROFISH	6.21g	20 mm 49 mm	18	YES-18
② YOY GREEN		MINNOW TRAP	0.94g	40 mm	1	YES-1
③ YOY SUNFISH		DIP NET	2.70g	≈ 13 mm	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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/17/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI/HQ Curds Inlet
 HQ Inlet LHL1(Rocky Arm)
 LHL2(Dix Dam) *WEIGHT*
 LHL3 Cove *LENGTH*
 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=)
① YOY CH2 SUNFISH		DIP NET	3.53g	21 mm	95	YES-95
② YOY (LCI) BLUEGILL		MINNOW TRAPS	4.02g	25 mm 46 mm	6	YES-6
③ YOY GREEN SUNFISH (LCI)		MINNOW TRAPS	4.78g	45 mm 55 mm	3	YES-3
④ YOY SUNFISH (LCI)		DIP NET	1.72g	10 mm 20 mm	17	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/1/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI Curds Inlet
 HQ InletLHL1(Rocky 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 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=)
① YOY BASS		MINNOW TRAPS	0.8g		1	YES-1
② B6 (NOT YOY)		MINNOW TRAPS	22.35g		3	YES-3

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.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/25/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI (circled) Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix 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 (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① 1 BG 2 GREEN TOO BIG						
① YOY BASS		ELECTRO-FISH	21.55g		9	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/26/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCT HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

~~WEIGHT~~ ~~LENGTH~~

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=)
① 404 BASS		MINNOW TRAP	1.18g	-	1	YES
② 1404 B6		MINNOW TRAP	0.21g	25mm	1	YES
③ 404 B6		NETTING	0.08g	16mm	2	YES
④ 404 B6		NETTING	0.46g	11mm	33	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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

LCI

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/18/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

LCI Curds Inlet
 HQ InletLHL1(Rocky 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 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=)
① YOY BLUEGILL		MINNOW TRAP	8:08g	18 mm 48 mm	12	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

MCI Curds Inlet
 HQ InletLHL1(Rocky 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 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=)
① YOY BASS		SEINE	10.14g		12	YES-12
② YOY LEPOMIS		SEINE	0.12g		1	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/16/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

MCI

 HQ Inlet LHL1 (Rocky 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BLUEGILL		ELECTRO-FISH	7.46g	15 mm 46 mm	15	YES-15
② GREEN SUNFISH YOY		ELECTRO-FISH	3.71g	50 mm	2	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/17/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

MCI Curds Inlet
 HQ Inlet LHL1 (Rocky 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 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=)
① YOY BASS		ELECTRO-FISH	24.20g	46 mm 71 mm	9	YES-9
② YOY GREEN		ELECTRO-FISH	5.92g	44 mm 58 mm	3	YES-3
③ YOY BLUEGILL		ELECTRO-FISH	3.34g	19 mm 45 mm	7	YES-7
④ YOY SUNFISH		DIP NET	5.98g	10 mm 22 mm	356	YES-356

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.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 6/30/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

UCI
Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 5 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=)
① YOY BASS		MINNOW TRAPS	WEIGHT 5.28g		5	YES 5

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.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/1/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet
 HQ Inlet LHL1 (Rocky Arm)
 LHL2 (Dix Dam)
 LHL3 Cove
 LHL 6 Cove

WEIGHT

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=)
① YOY BASS		MINNOW TRAPS	15.25g		15	YES-15
② B6 (NOT YOY)		MINNOW TRAPS	3.4g		1	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/28/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

VCI Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) WEIGHT LHL3 Cove LHL 6 Cove

Sample ID: e.g. (YOVBASS-001-LHL6), or (YOVBASS - 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=)
① 15 YOY BASS		ELECTRO-FISH	28.75g		15	YES-15
② 3 BB 1 GREEN		MINNOW TRAP / ELECTRO-FISH	13.08g		4	YES-4
② 404 BG		MINNOW TRAP / ELECTROFISH	0.41g		1	
③ BG (NOT 404)		"	10.68g		2	
④ 404 GREEN		"	1.71g		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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

VCI

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 7/26/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet
 HQ InletLHL1(Rocky 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 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=)
① B6 404		MINNOW TRAP	0.71g	38 min	1	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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

VCI

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/16/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

VCI Curds Inlet
 HQ InletLHL1(Rocky Arm)
 LHL2(Dix Dam)
 LHL3 Cove
 LHL 6 Cove

~~WEIGHT~~ ~~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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BLUEGILL		MINNOW TRAPS	5.51g	17 min 50 min	10	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

VCI

Herrington Lake Monitoring Phase
Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form

RAMBOLL

Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/17/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

VCI Curds Inlet HQ InletLHL1(Rocky Arm) LHL2(Dix Dam) LHL3 Cove LHL 6 Cove

WEIGHT 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. in Photo ^a (N=)
① YOY BLUEGILL		ELECTRO-FISH MINNOW TRAPS	4.78g	16 mm 51 mm	11	YES-11
② YOY GREEN SUNFISH		"	4.33g	18 mm 54 mm	4	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/18/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet HQ Inlet LHL1 (Rocky Arm) LHL2 (Dix Dam) LHL3 Cove LHL 6 Cove

WEIGHT 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 Time (24hr clock)	Sampling Duration (in hrs)	Sample Size (N=)	No. In Photo ^a (N=)
① YOY BLUEGILL		MINNOW TRAP + ELECTROFISH	0.16g	24mm	1	YES-1
② YOY GREEN SUNFISH		ELECTRO-FISH	1.73g	48mm	1	YES-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 measure field weights before frozen for shipment to the laboratory for whole-body analysis for Selenium.

UCI

Herrington Lake Monitoring Phase
 Young-Of-The-Year Fish Tissue Collection and Chain-Of-Custody Form



Primary Fish Collector(s):	Notes:
Sampling Date(s): 8/19/22	
Weather Forecast:	
Air Temp: Water Temp:	

YOY Sampling Region (circle one):

Curds Inlet
 HQ InletLHL1(Rocky 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 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=)
① YOY BLUEGILL		MINNOW TRAPS	11.35g	27mm 58mm	10	YES-10
② YOY GREEN		MINNOW TRAP	1.86g	50mm	1	YES-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 measure 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 Conductivity mS/cm	Conductivity µg/cm	pH	ORP mV	NTU	Secci Depth ft. bws
Upper Curds Inlet	Aug 19th, 2022	3:20 pm	29.9	143	10.5	0.22	240.8	9.04	70.3	-0.16	2.5
Middle Curds Inlet		4:11 pm	29.6	144	10.7	0.22	239.6	9.06	144.5	-0.83	2.25
Lower Curds Inlet		4:24 pm	30.5	145	10.6	0.219	242.2	9.05	169.5	-0.66	3
HQ Inlet		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
 °C - 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

Bluegill Sampling Region	Bluegill Lifestage ^(a, b)	Summer 2022 Sampling Date	Weight (g)	Number of Fish	Approx. Weight Per Fish (g)	Combined Sample Weight (g)	Sample Analyzed
Upper Curds Inlet ^c	YOY	July 25	0.41	1	0.41	6.06	Sample 1 YOY(BG)-001-UCI-220725
		July 26	0.71	1	0.71		
		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
	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
	Middle Curds Inlet Totals			17.1	379	0.045	combined
MCI Total ≥0.1g/fish (YOY)			11.12	23	0.48		2
MCI Sum <0.1g/fish (YOY Swimup)			5.98	356	0.017		1
Lower Curds Inlet	YOY Swimup	July 26	0.08	2	0.040	12.77	Sample 1 YOY(BG)-001-LCI-220726
		July 26	0.46	33	0.014		
		August 15	6.0	314	0.019		
		August 16	2.7	149	0.018		
		August 17	3.53	95	0.037		
	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		
	Juvenile	June 30th	27.45	7	3.9	NA	No (a)
July 1st		22.35	3	7.5	NA	No (a)	
Lower Curds Inlet Totals (not including 2021 Juveniles)			33.0	647	0.051	combined	
LCI Total ≥0.1g/fish (YOY)			20.2	54	0.37		2
LCI Total <0.1g/fish (YOY Swimup)			12.8	593	0.022		1 + split
Hardin Inlet	YOY	August 15	10.58	9	1.2	10.58	Sample 1 YOY(BG)-001-HI-220815
	YOY	August 16	6.93	9	0.77	12.68	Sample 2 YOY(BG)-002-HI-220816
		August 17	5.75	6	0.96		
	YOY	July 26	1.09	2	0.55	15.13	Sample 3 YOY(BG)-003-HI-220726
		August 18	13.78	16	0.86		
		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)	
HI 2022 YOY Totals (not including 2021 Juveniles)			38.39	51	0.75	combined	3 + MS/MSD

- Notes:
 BG Bluegill
 g gram
 HI Hardin Inlet
 LCI Lower Curds Inlet
 MCI Middle Curds Inlet
 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.