APPENDIX B: DIGITAL IMAGE LOGS

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Appendix B6: Aquatic Invertebrates and Vegetation Sample Image Log

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B1: General Fishing Methods and Field-Catch Image Log

GENERAL FISHING METHODS

Image 1: Pennington and Associates at the Gwinn Island Fish Camp Boat Ramp assembling the electrofishing equipment for use in Middle Herrington Lake.

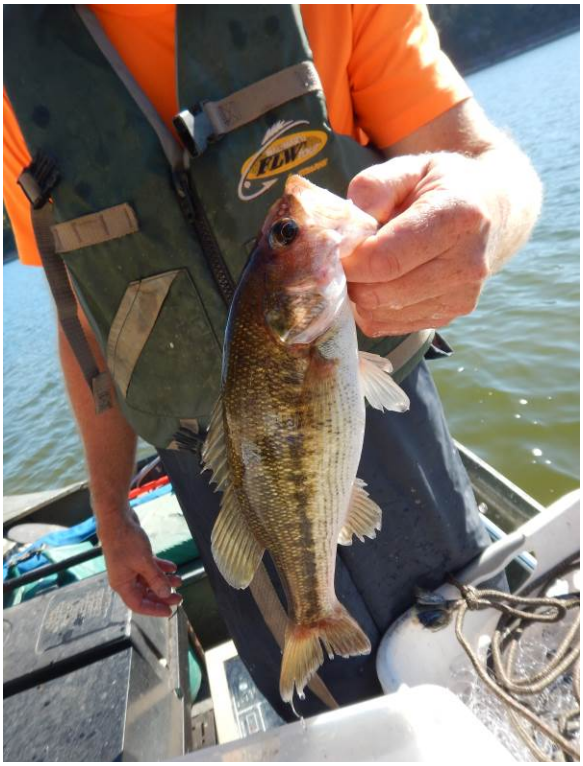


Image 2: A medium-sized largemouth bass caught using a gill net.

Image 3: Multiple bluegill netted during electrofishing in Lower Herrington Lake.

Image 4: Crappie, which was released.

Image 5: A freshwater drum, which was released.

Image 6: Multiple largemouth bass caught using gillnets in Lower Herrington Lake.

Photo7: Gizzard shad used as cut-bait for the trotlines.

Image 8: Baiting a trotline.

Image 9: Deploying a trotline.

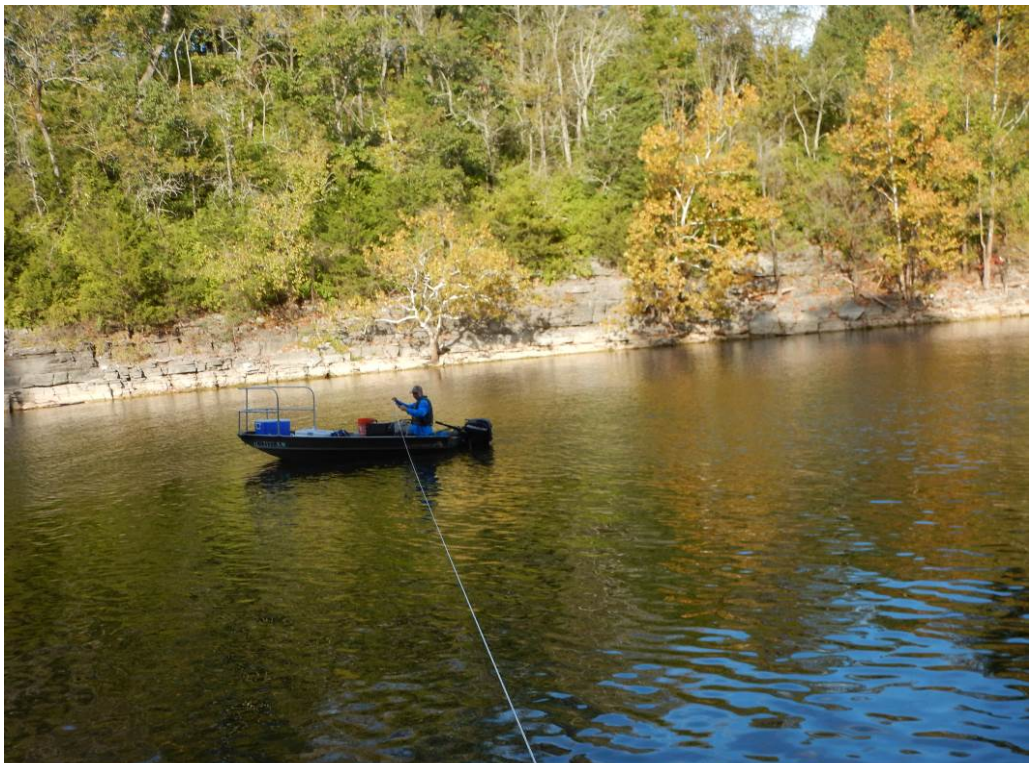


Image 10: Deploying a trotline.

Image 11: A medium-sized channel catfish caught using a trotline in Curds Inlet (CI).

Image 12: A medium-sized channel catfish caught using a trotline.

Image 13: A large female flathead catfish caught on a trotline at MHL1 (Middle Herrington Lake).

Image 14: Large channel catfish caught on a trotline at LHL3 (Lower Herrington Lake).

YOUNG-OF-THE-YEAR FISHING METHODS

Image 15: Seine netting in LHL3

Image 16: Alex Smith operating the electro-fishing equipment

Image 17: Alan Martuch using a dip net to catch YOY fish

Image 18: Don Johnson baiting and prepping a minnow trap

Image 19: Don Johnson placing a minnow trap

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B2-1: Phase I Adult Fish Sample Image Log

Appendix B2-2: Phase II Adult Fish Sample Image Log

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B2-1: Phase I Adult Fish Sample Image Log

Image 1: Bluegill composite sample (1 of 2) from Curds Inlet.
Sample ID = FWB-001(BG)-CI-171004

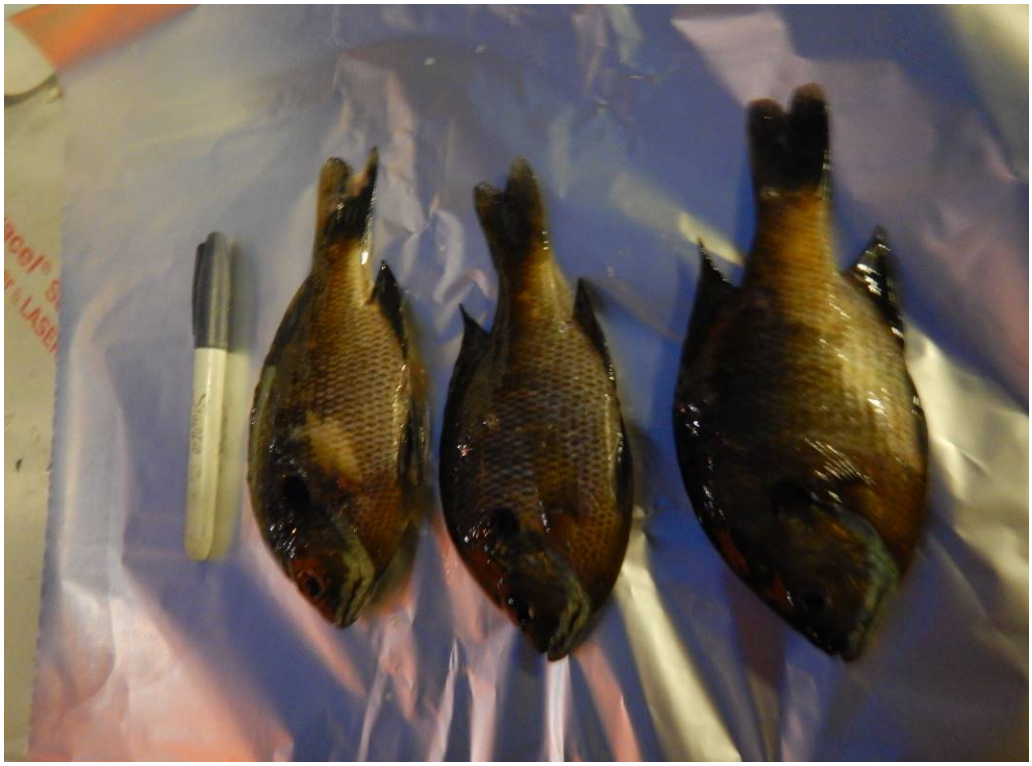


Image 2: Bluegill composite sample (2 of 2) from Curds Inlet.
Sample ID = FWB-002(BG)-CI-171004

Image 3: Largemouth bass composite sample (1 of 2) from Curds Inlet.
Sample ID = FWB-001(LMB)-CI-171004

Image 4: Ovary from largemouth bass composite sample (1 of 2) from Curds Inlet.
Sample ID = FO-001(LMB)-CI-171004

Image 5: Largemouth bass composite sample (2 of 2) from Curds Inlet.
Sample ID = FWB-002(LMB)-CI-171004

Image 6: Channel catfish composite sample (1 of 2) from Curds Inlet.
Sample ID = FWB-001(CC)-CI-171013

Image 7: Flathead catfish composite sample from Curds Inlet.
Sample ID = FWB-001(FHC)-CI-171013

Image 8: Bluegill composite sample (1 of 2) from HQ Inlet.
Sample ID = FWB-001(BG)-HQ-171004

Image 9: Bluegill composite sample (2 of 2) from HQ Inlet.
Sample ID = FWB-002(BG)-HQ-171004

Image 10: Bluegill composite sample (1 of 2) from LHL1 (Lower Herrington Lake).
Sample ID = FWB-001(BG)-LHL1-171011

Image 11: Bluegill composite sample (2 of 2) from LHL1 (Lower Herrington Lake).
Sample ID = FWB-002(BG)-LHL1-171004

Image 12: Largemouth bass composite sample (1 of 2) from LHL1 (Lower Herrington Lake).
Sample ID = FWB-001(LMB)-LHL1-171005

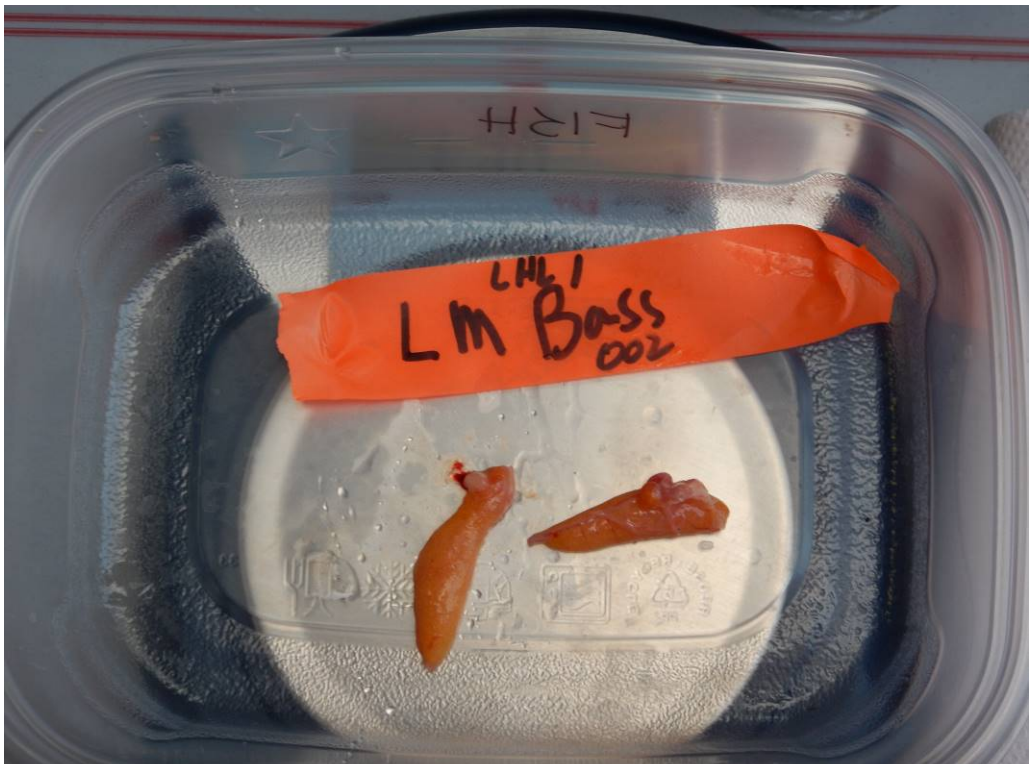


Image 13: Ovary from largemouth bass composite sample (1 of 2) from LHL1 (Lower Herrington Lake). Sample ID = FO-001(LMB)-LHL1-171005

Image 14: Largemouth bass composite sample (2 of 2) from LHL1 (Lower Herrington Lake). Sample ID = FWB-002(LMB)-LHL1-171005

Image 15: Channel catfish sample from LHL1 (Lower Herrington Lake).
Sample ID = FWB-001(CC)-LHL1-171005

Image 16: Flathead catfish sample from LHL1 (Lower Herrington Lake).
Sample ID = FWB-001(FHC)-LHL1-171005

Image 17: Bluegill composite samples (2 of 2) from LHL2 (Dix Dam, Lower Herrington Lake). Sample IDs = FWB-001(BG)-LHL2-171005 and FWB-002(BG)-LHL2-171005

Image 18: Largemouth bass composite samples (1 of 1, left 3 fish only) from LHL2 (Dix Dam). Sample ID = FWB-001(LMB)-LHL2-171005

Image 19: Ovary from Kentucky bass composite sample from LHL2 (Dix Dam, Lower Herrington Lake). Sample ID = FO-001(KB)-LHL2-171005

Image 20: Channel catfish sample from LHL2 (Dix Dam, Lower Herrington Lake). Sample ID = FWB-001(CC)-LHL2-171005

Image 21: Flathead catfish sample from LHL2 (Dix Dam, Lower Herrington Lake).
Sample ID = FWB-001(FHC)-LHL2-171005

Image 22: Bluegill composite samples (2 of 2) from LHL3 (Lower Herrington Lake).
Sample IDs = FWB-001(BG)-LHL3-171005 and FWB-002(BG)-LHL3-171005

Image 23: Kentucky bass composite sample (2 of 2) from LHL3 (Lower Herrington Lake). Sample ID = FWB-002(KB)-LHL3-171004

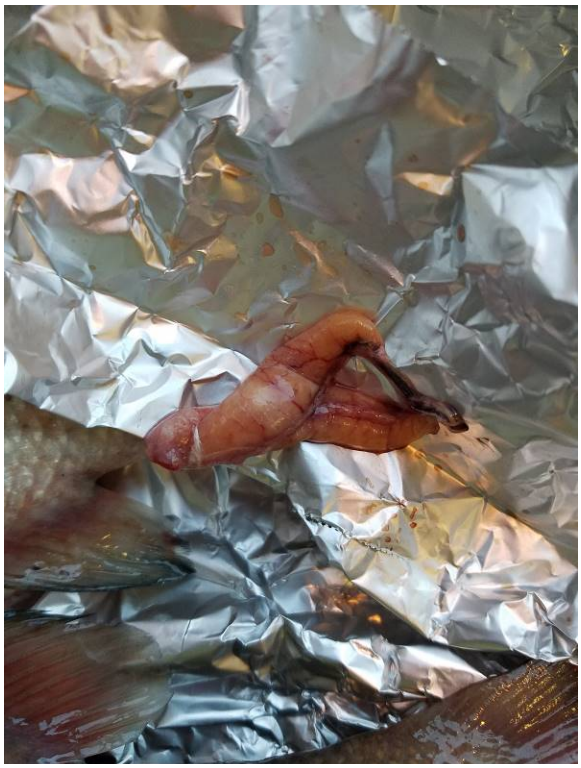


Image 24: Ovary from Kentucky bass composite sample (2 of 2) from LHL3 (Lower Herrington Lake). Sample ID = FO-002(KB)-LHL3-171004

Image 25: Channel catfish sample (1 of 2) from LHL3 (Lower Herrington Lake).
Sample ID = FWB-001(CC)-LHL3-171005

Image 26: Channel catfish sample (1 of 2) from LHL3 (Lower Herrington Lake).
Sample ID = FWB-001(CC)-LHL3-171005

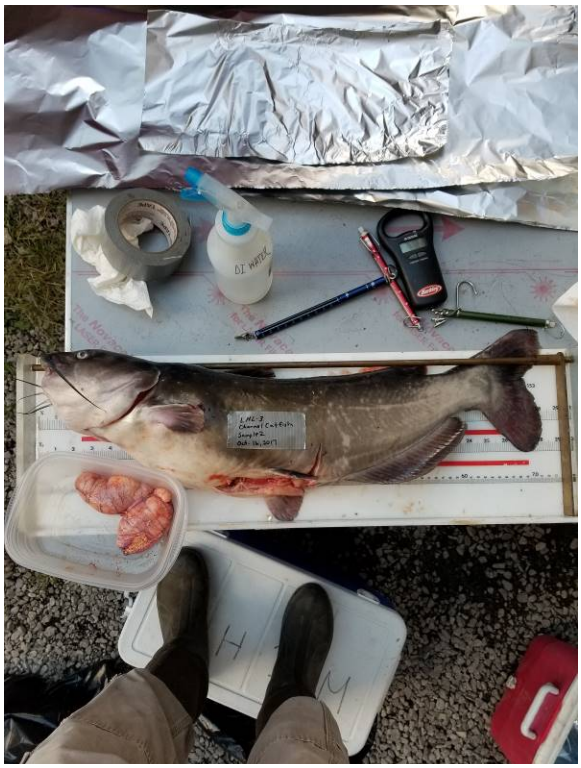


Image 27: Channel catfish and ovary sample (2 of 2) from LHL3 (Lower Herrington Lake).
Sample IDs = FWB-002(CC)-LHL3-171016 and FO-002(CC)-LHL3-171016

Image 28: Largemouth bass composite sample from LHL4 (Lower Herrington Lake).
Sample ID = FWB-001(LMB)-LHL4-171003 Fish #2 or 2 only

Image 29: Channel catfish sample from LHL4 (Lower Herrington Lake).
Sample ID = FWB-001(CC)-LHL4-171012

Image 30: Flathead catfish sample from LHL4 (Lower Herrington Lake).
Sample ID = FWB-001(FHC)-LHL4-171012

Image 31: Bluegill composite sample (partial 1 of 2) from LHL5 (Lower Herrington Lake).
Sample ID = FWB-001(BG)-LHL5-171011

Image 32: Bluegill composite sample (partial 1 of 2) from LHL5 (Lower Herrington Lake).
Sample ID = FWB-001(BG)-LHL5-171011

Image 33: Bluegill composite sample (2 of 2) from LHL5 (Lower Herrington Lake).
Sample ID = FWB-002(BG)-LHL5-171011

Image 34: Largemouth bass composite sample (1 of 2) from LHL5 (Lower Herrington Lake).
Sample ID = FWB-001(LMB)-LHL5-171007

Image 35: Ovary from largemouth bass composite sample (1 of 2) from LHL5 (Lower Herrington Lake). Sample ID = FO-001(LMB)-LHL5-171007

Image 36: Largemouth bass composite sample (2 of 2) from LHL5 (Lower Herrington Lake). Sample ID = FWB-002(LMB)-LHL5-171007

Image 37: Channel catfish composite sample (1 of 2) from LHL5 (Lower Herrington Lake). Sample ID = FWB-001(CC)-LHL5-171007

Image 38: Ovary from channel catfish composite sample (1 of 2) from LHL5 (Lower Herrington Lake). Sample ID = FO-001(CC)-LHL5-171007

Image 39: Channel catfish composite sample (2 of 2) from LHL5 (Lower Herrington Lake).
Sample ID = FWB-002(CC)-LHL5-171007

Image 40: Bluegill composite sample (1 of 2) from LHL6 (Lower Herrington Lake).
Sample ID = FWB-001(BG)-LHL6-171011

Image 41: Bluegill composite sample (2 of 2) from LHL6 (Lower Herrington Lake). Sample ID = FWB-002(BG)-LHL6-171011

Image 42: Kentucky bass and ovary composite sample (partial composite 1 of 1) from LHL6 (Lower Herrington Lake). Sample ID = FWB-001(KB)-LHL6-171007 and FO-001(KB)-LHL6-171007

Image 43: Channel catfish and ovary composite sample (partial composite 1 of 2) from LHL6 (Lower Herrington Lake).
Sample ID = FWB-001(CC)-LHL6-171007 and FO-001(CC)-LHL6-171007

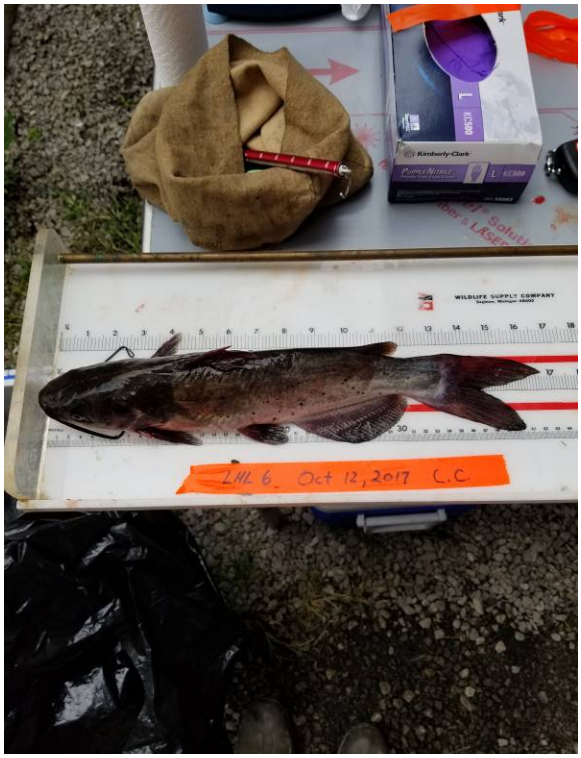


Image 44: Channel catfish composite sample (partial composite 3 of 2) from LHL6 (Lower Herrington Lake).
Sample ID = FWB-002(CC)-LHL6-17100

Image 45: Bluegill composite samples (2 samples) from MHL1 (Middle Herrington Lake).
Sample IDs = FWB-001(BG)-MHL1-171015 and FWB-002(BG)-MHL1-171015

Image 46: Largemouth bass composite sample from MHL1 (Middle Herrington Lake).
Sample ID = FWB-001(LMB)-MHL1-171015

Image 47: Kentucky bass composite sample from MHL1 (Middle Herrington Lake).
Sample ID = FWB-001(KB)-MHL1-171014

Image 48: Flathead catfish composite sample (1 of 2) from MHL1 (Middle Herrington Lake).
Sample ID = FWB-001(FHC)-MHL1-171014

Image 49: Flathead catfish sample (2 of 2) from MHL1 (Middle Herrington Lake).
Sample ID = FWB-002(FHC)-MHL1-171014

Image 50: Bluegill composite samples (2 samples) from MHL3 (Middle Herrington Lake).
Sample IDs = FWB-001(BG)-MHL3-171014 and FWB-002(BG)-MHL3-171014

Image 51: Largemouth bass composite sample (1 of 2) from MHL3 (Middle Herrington Lake).
Sample ID = FWB-001(LMB)-MHL3-171014

Image 52: Largemouth bass composite sample (2 of 2) from MHL3 (Middle Herrington Lake).
Sample ID = FWB-002(LMB)-MHL3-171014

Image 53: Channel catfish composite sample (1 of 2) from MHL3 (Middle Herrington Lake).
Sample ID = FWB-001(CC)-MHL3-171014 (Ovary sample image not available)

Image 54: Channel catfish composite sample (2 of 2) from MHL3 (Middle Herrington Lake).
Sample ID = FWB-002(CC)-MHL3-171014

Image 55: Bluegill composite sample (1 of 1) from Dix River (below Dix Dam).
Sample ID = FWB-001(BG)-DR-171016

Image 56: Green sunfish composite sample (1 of 2) from Dix River (below Dix Dam).
Sample ID = FWB-001(GS)-DR-171014

Image 57: Green sunfish composite sample (2 of 2, left 4 fish only) from Dix River (below Dix Dam).
Sample ID = FWB-002(GS)-DR-171016

Image 58: Largemouth bass sample from Dix River (below Dix Dam).
Sample ID = FWB-001(LMB)-DR-171016

Image 59: Brown trout sample from Dix River (below Dix Dam).
Sample ID = FWB-001(BT)-DR-171016

Image 60: Spotted sucker composite sample (top two fish only) from Dix River (below Dix Dam).
Sample ID = FWB-001(SS)-DR-171016

Image 61: Northern hog sucker composite sample from Dix River (below Dix Dam).
Sample ID = FWB-001(HS)-DR-171016

Image 62: Kentucky Bass composite sample from LHL2 (above Dix Dam) - Image for two of the four fish
Sample ID = FWB-001(KYB)-LHL2-171005

Phase I fish digital images that are not available include:

1. LHL2 (Above Dix Dam), bass sample 2 of 2 (Sample 1 of 2 was composed of LMB, sample 2 of 2 was made up of spotted (Kentucky) bass - Two of the four Kentucky bass are displayed above in Image #62.

2. LHL3 (Lower Herrington Lake) bass sample 1 of 2 (KYB) – whole-body and ovary sample images not available.

3. LHL3 (Lower Herrington Lake) bass sample 1 of 2 (KYB) ovary – see above

4. LHL4 (Lower Herrington Lake) bass ovary samples (KYB and LMB) – whole-body and ovary sample images not available.

5. LHL4 (Lower Herrington Lake) bluegill samples – not available

6. LHL4 (Lower Herrington Lake) bass sample 1 of 2 (KYB) – see #4 above

7. MHL3 (Middle Herrington Lake) bass ovary sample (LMB) - image not available - ovaries likely discovered after initial whole-body Image #X captured.

8. MHL3 (Middle Herrington Lake) channel catfish ovary sample (CHCF) - image not available - ovaries likely discovered after initial whole-body Image #53 captured.

9. Dix River (DR) northern hogsucker ovary sample FO-001(HS)-DR-171016 - image not available - ovaries likely discovered after initial whole-body Image #60 captured.

10. Dix River (DR) largemouth bass ovary sample FO-001(LMB)-DR-171016 - no image available - ovaries likely discovered after initial whole-body Image #58 captured.

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B2-2: Phase II Adult Fish Sample Image Log

Image 62: Flathead Catfish 1 of 2 in composite sample from Curds Inlet.
Sample ID: FWB001(FHC)-CI-180619

Image 63: Flathead Catfish 2 of 2 in composite sample from Curds Inlet.
Sample ID = FWB001(FHC)-CI-180619

Image 64: Bluegill 1 of 4 in composite sample from Curds Inlet
Sample ID = FWB001(BG)-CI-180615

Image 65: Largemouth Bass 4 of 4 in composite sample from Curds Inlet
Sample ID = FWB001(LMB)-CI-180615

Image 66: Largemouth Bass 3 of 4 in composite sample from Curds Inlet
Sample ID = FWB001(LMB)-CI-180615

Image 67: Bluegill 3 of 4 in composite sample from HQ Inlet.
Sample ID = FWB001(BG)-HQ-180616

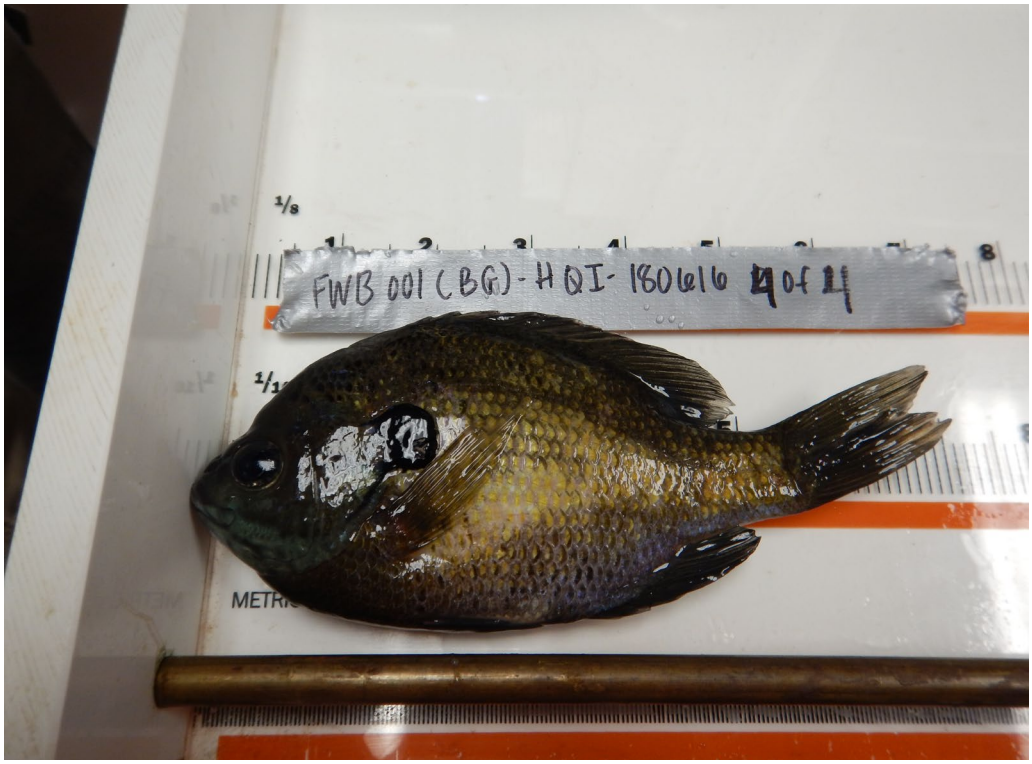


Image 68: Bluegill 4 of 4 in composite sample from HQ Inlet.
Sample ID = FWB001(BG)-HQ-180616

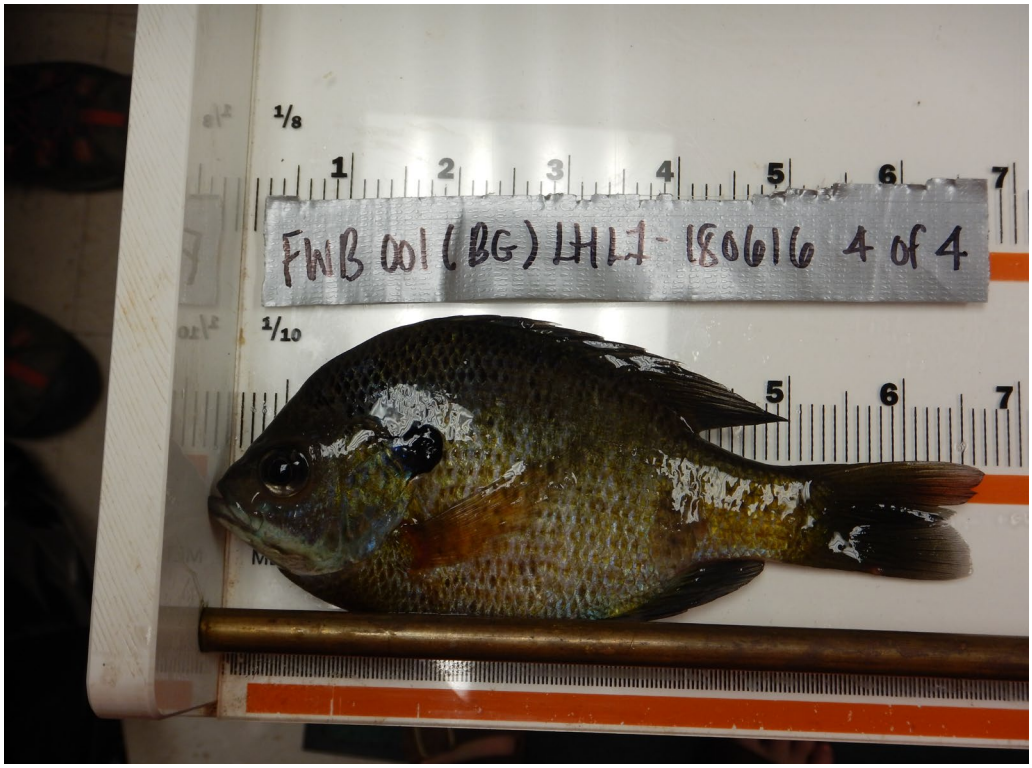


Image 69: Bluegill 4 of 4 in composite sample from LHL-1.
Sample ID = FWB001(BG)-LHL1-180616

Image 70: Flathead Catfish 2 of 3 in composite sample from LHL-1.
Sample ID = FWB001(FHC)-LHL1-180620

Image 71: Largemouth Bass 3 of 3 in composite sample from LHL-1.
Sample ID = FWB001(LMB)-LHL1-180616

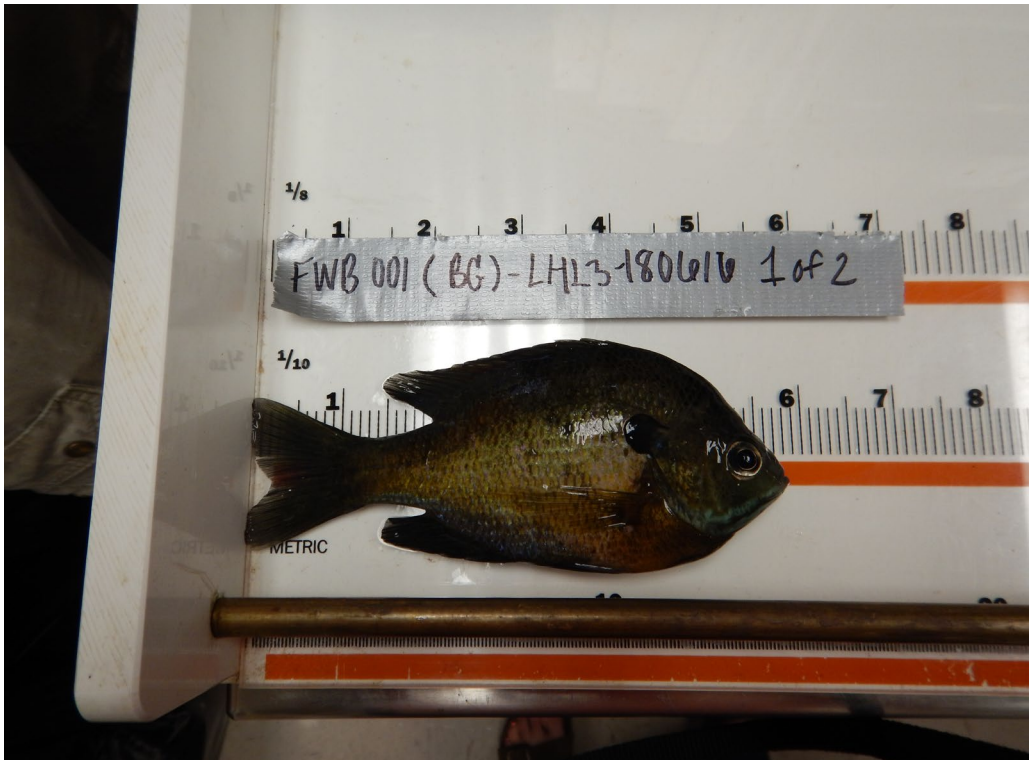


Image 72: Bluegill 1 of 2 in composite sample from LHL-3.
Sample ID = FWB001(BG)-LHL3-180616

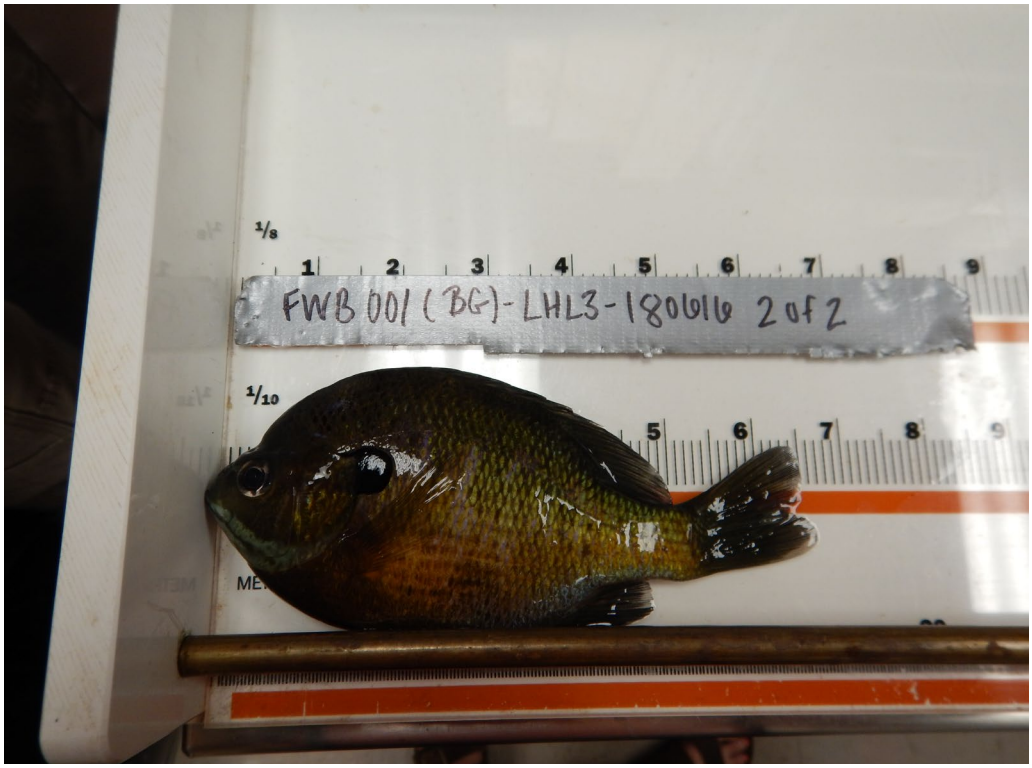


Image 73: Bluegill 2 of 2 in composite sample from LHL-3.
Sample ID = FWB001(BG)-LHL3-180616

Image 74: Flathead Catfish 2 of 4 in composite sample from LHL-6.
Sample ID = FWB001(FHC)-LHL6-180620

Image 75: Largemouth Bass 2 of 3 in composite sample from LHL-6
Sample ID = FWB001(LMB)-LHL6-180616

Image 76: Bluegill 3 of 5 in composite sample from LHL-6.
Sample ID = FWB001(BG)-LHL6-180616

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B3: Lake Profiling and Surface Water Collection Image Log

Image 1: One of the samplers used to collect surface water samples.

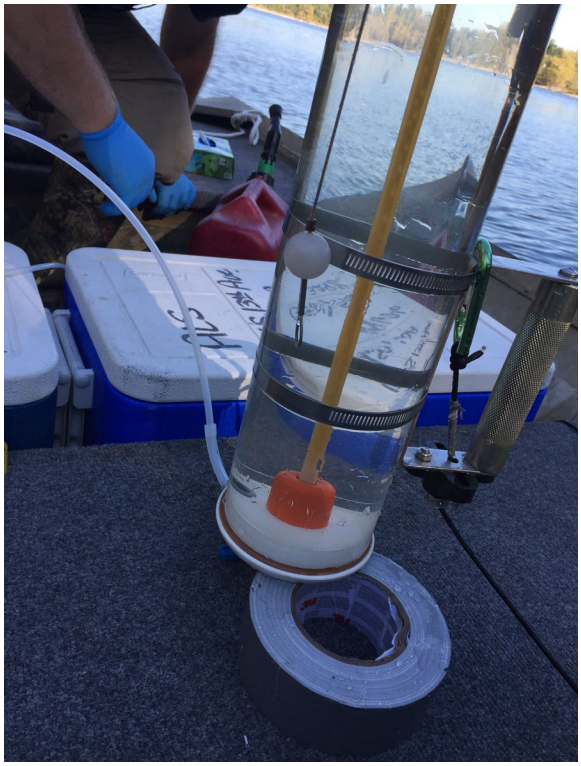


Image 2: Tubing to transfer surface water from the sampler to the sampling containers.

RAMBOLL

Appendix B3

Lake Profiling and Surface Water Collection Image Log

Corrective Action Investigation, Source Assessment, and Risk Assessment Report

E.W. Brown Station, Herrington Lake, Mercer County, Kentucky

Image 3: Transferring surface water to sampling containers.

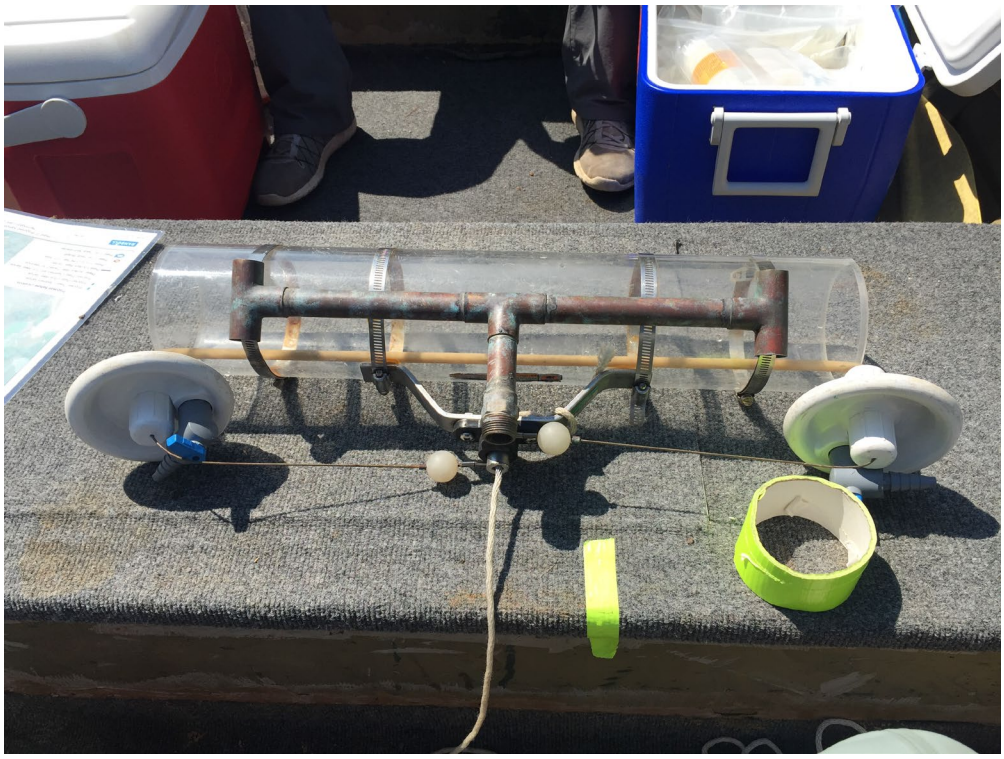


Image 4: Surface water sampler

Image 5: Transferring surface water to the sample bottle.

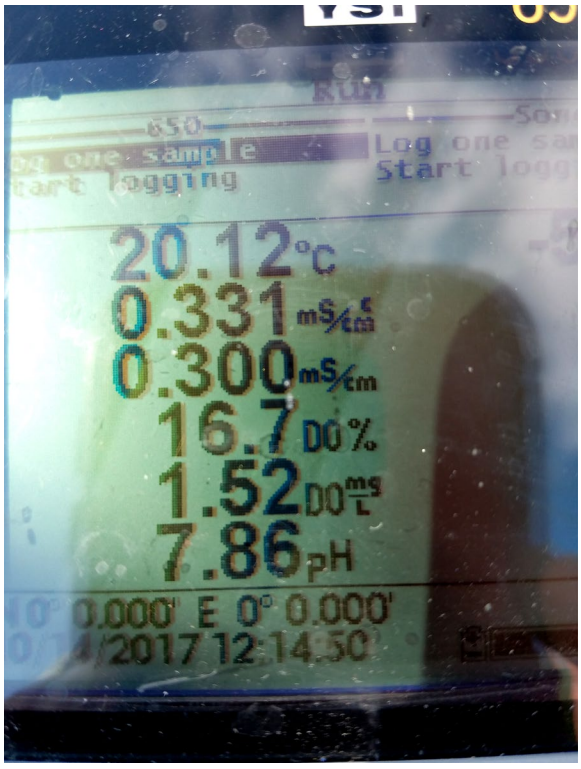


Image 6: YSI readings taken during sampling.

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B4: Sediment Pore Water Collection and Preparation Image Log

Image 1: A new passive diffusion pore water "peeper" ready for deployment on the dive boat.

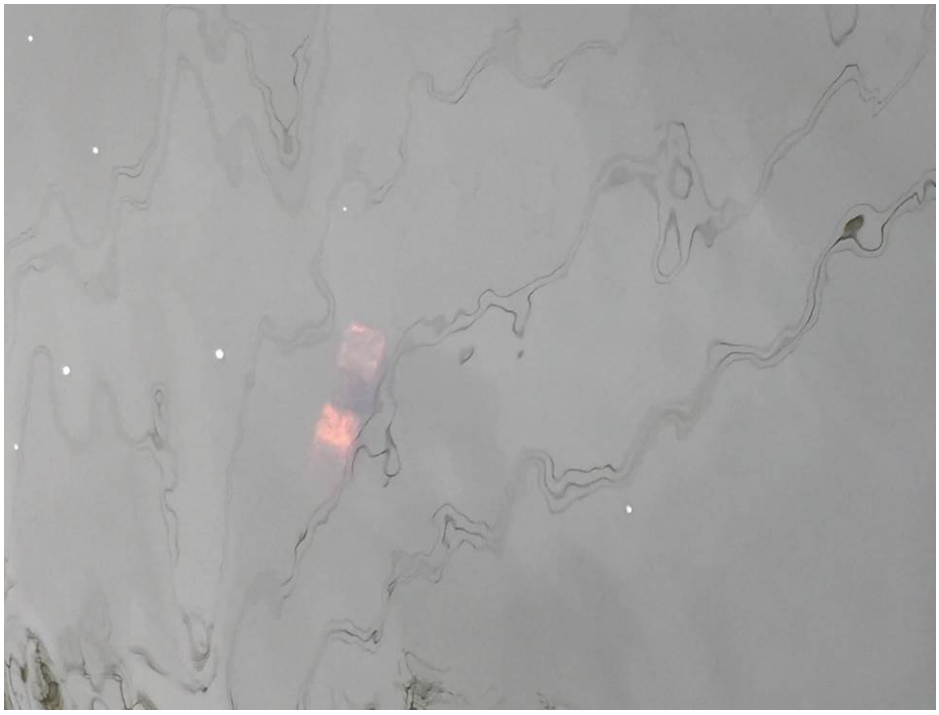


Image 2: An orange marker buoy for a peeper, suspended below the water surface, ready for retrieval.

It sits in approximately 10ft shallow water depth compared to when it was deployed.

Image 3: To ensure an anoxic environment, all peepers were contained within its associated native sediment, bagged in-place, and slowly brought to the surface by divers.

Image 4: Multiple passive diffusion peeper pore water samples, retained in their native sediment prior to pore water extraction.

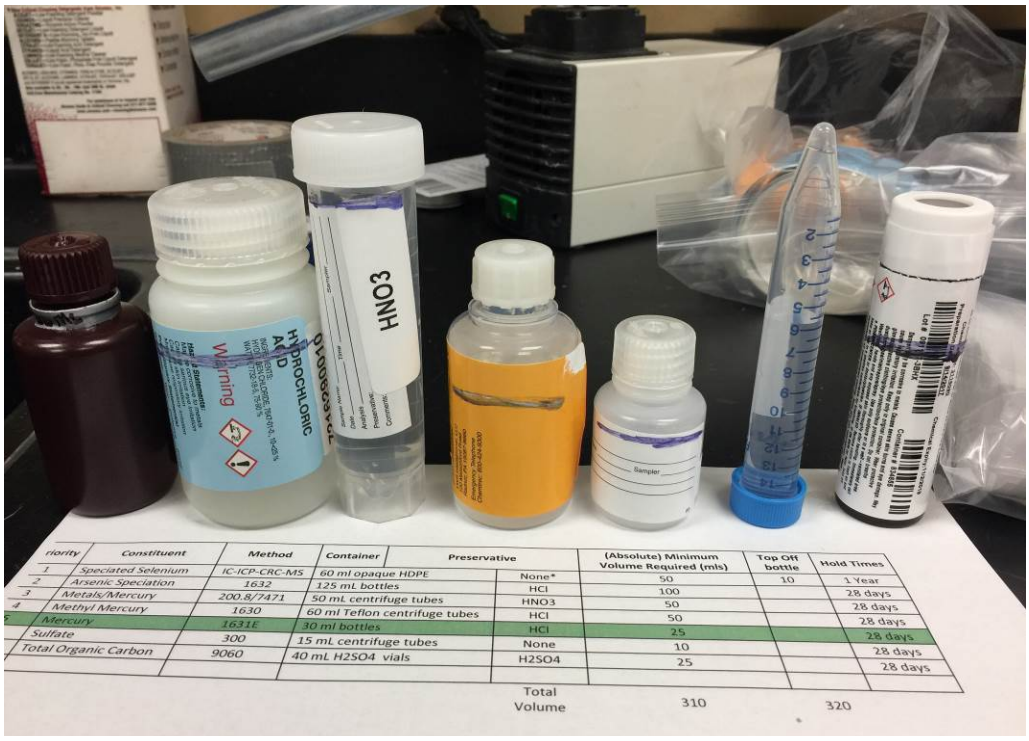
Image 5: A retrieved peeper prior to pore water extraction.

Image 6: Sterile (one-time use) 60ml hypodermic needle and 0.45um filter for extracting filtered pore water from a peeper.

Image 7: Inert argon gas, unlike helium or nitrogen, is heavier than air and will fill up the bag, used to enclose the peeper for sample transfer, from the bottom first, including the containers.

Image 8: Mobile laboratory argon-filled bag for transferring pore water into the containers.

Image 9: Maintaining an anoxic environment while transferring the pore water from the hypodermic needle(s) into the appropriate containers.



riority	Constituent	Method	Container	Preservative	(Absolute) Minimum Volume Required (mls)	Top Off bottle	Hold Times
1	Speciated Selenium	IC-ICP-CRC-MS	60 ml opaque HDPE	None*	50	10	1 Year
2	Arsenic Speciation	1632	125 mL bottles	HCl	100		28 days
3	Metals/Mercury	200.8/7471	50 mL centrifuge tubes	HNO3	50		28 days
4	Methyl Mercury	1630	60 ml Teflon centrifuge tubes	HCl	50		28 days
	Mercury	1631E	30 ml bottles	HCl	25		28 days
	Sulfate	300	15 mL centrifuge tubes	None	10		28 days
	Total Organic Carbon	9060	40 mL H2SO4 vials	H2SO4	25		28 days
				Total Volume	310	320	

Image 10: Pore water sample containers.

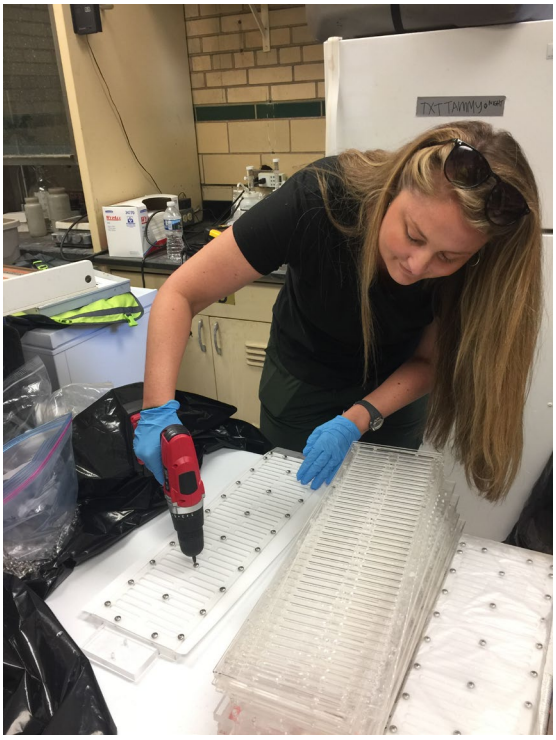


Image 11: Assembly of the peepers prior to placing them in the lake.

Image 12: Dive team prepping to place the peepers at the bottom of the lake.

Image 13: A retrieved peeper with a layer of sediment still stuck to the front.

Image 14: Example of how the pore water was removed from the peepers.

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B5: Sediment Sample Image Log

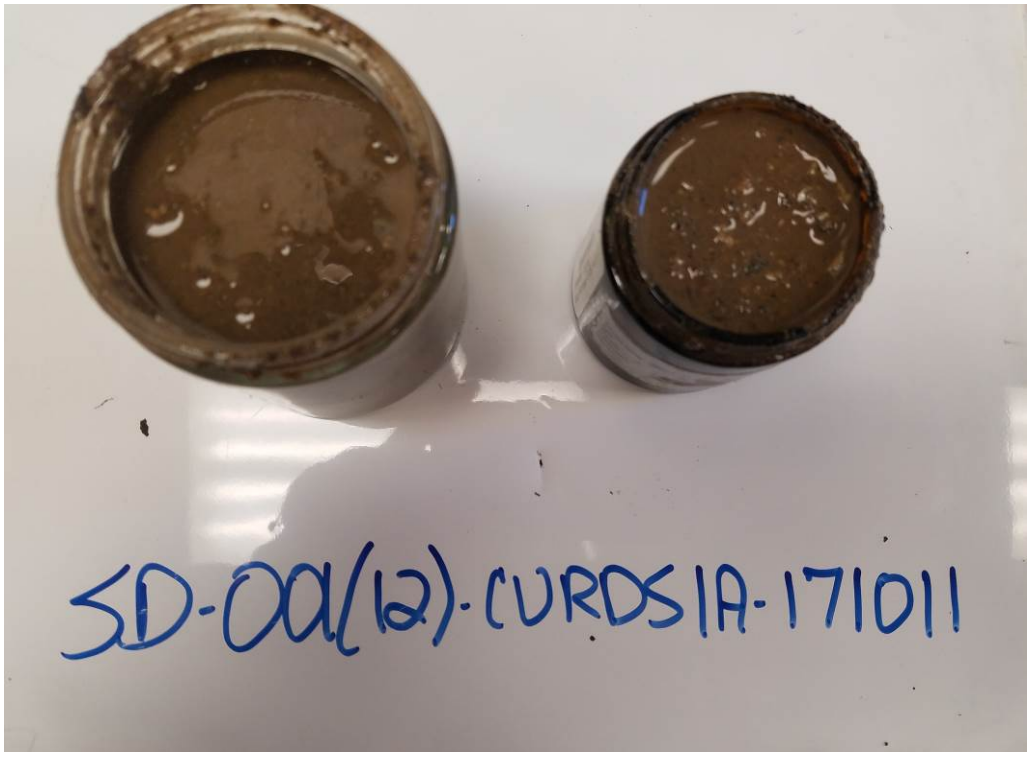


Image 1: Sediment sample collected from Curds1 (Upper Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(12)-Curds1A-171011

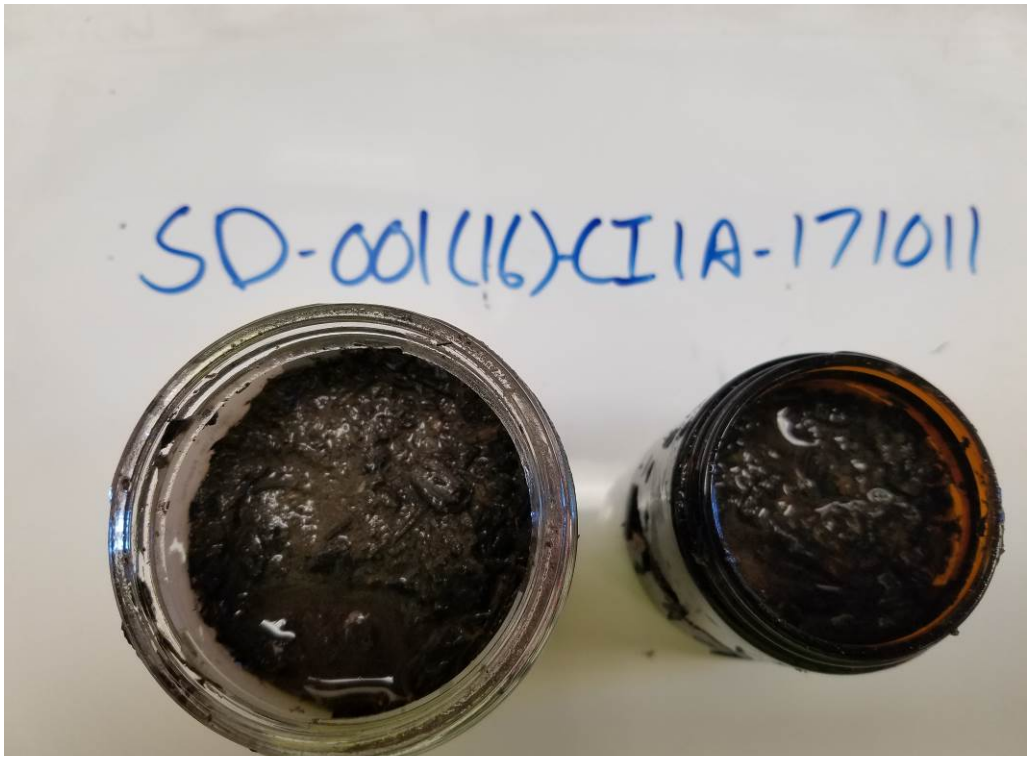


Image 2: Sediment sample collected from CI1A (Upper Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(16)-CI1A-171011

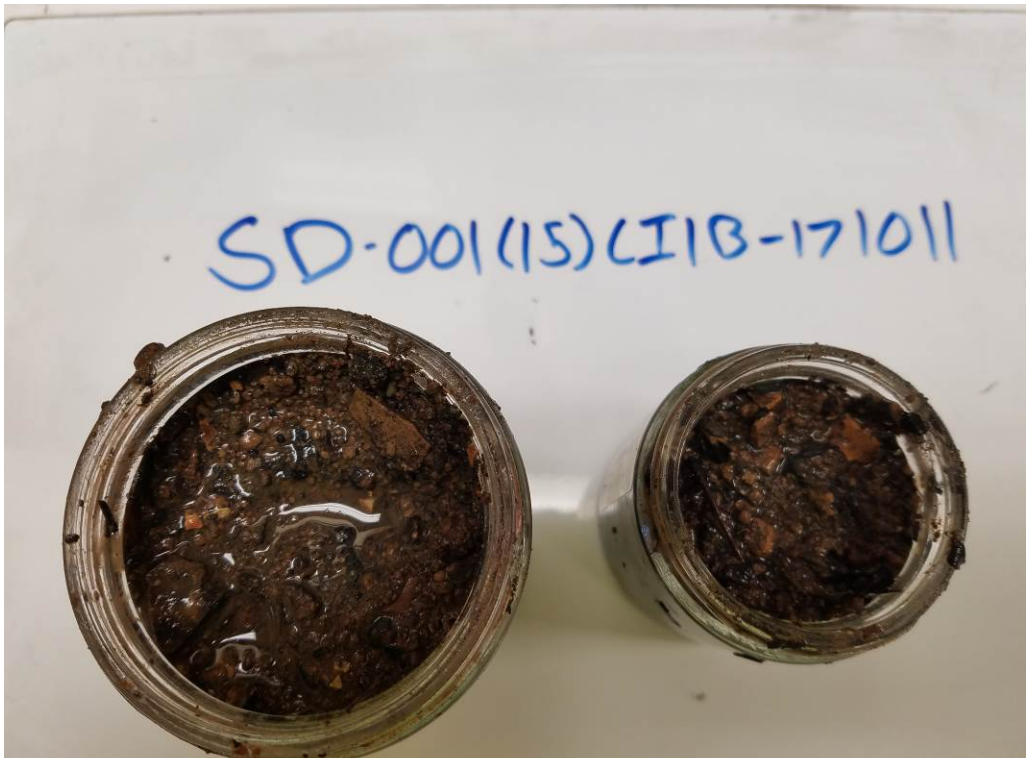


Image 3: Sediment sample collected from CI1B (Upper Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(15)-CI1B-171011

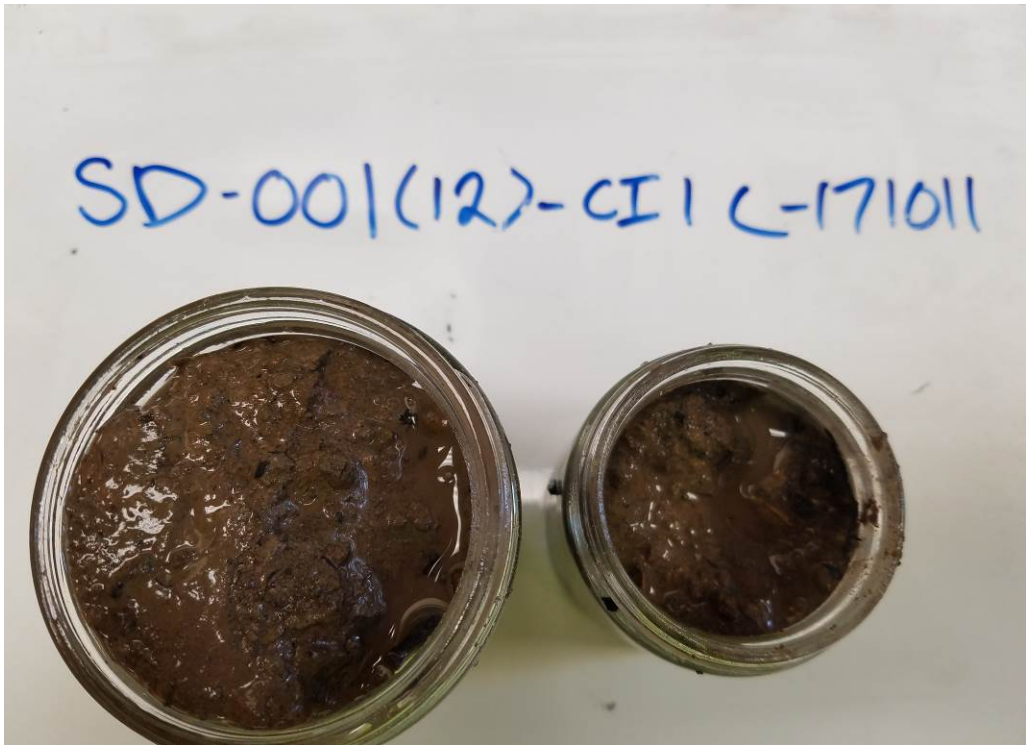


Image 4: Sediment sample collected from CI1C (Upper Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(12)-CI1C-171011

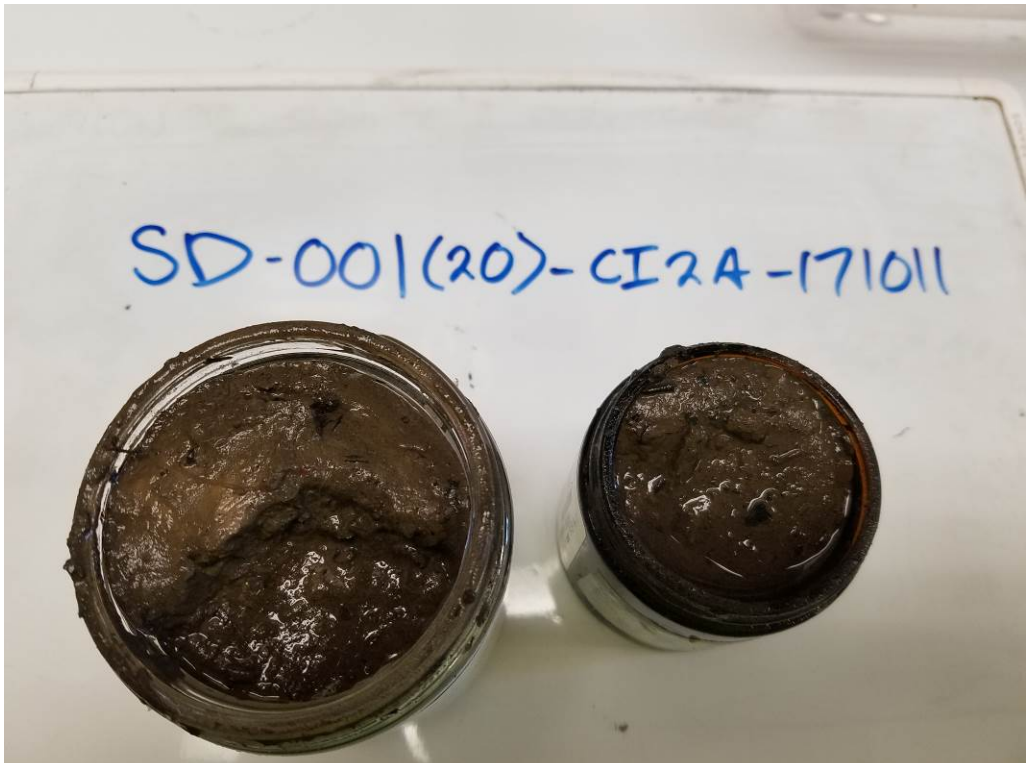


Image 5: Sediment sample collected from CI2A (Upper Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(20)-CI2A-171011

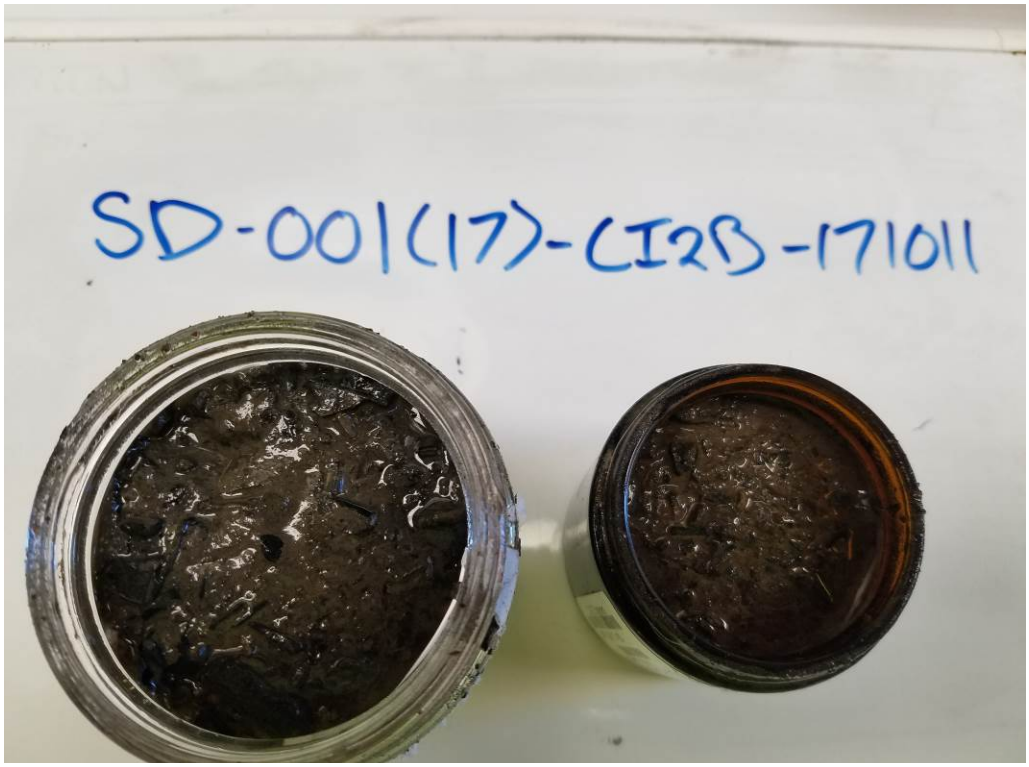


Image 6: Sediment sample collected from CI2B (Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(17)-CI2B-171011

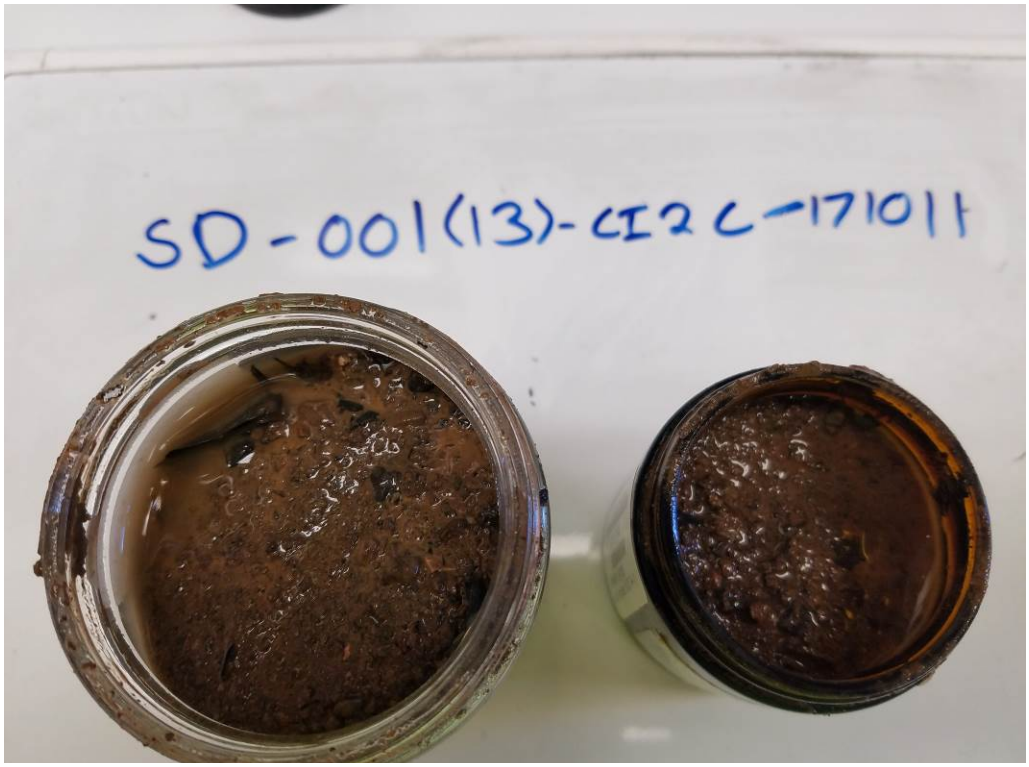


Image 7: Sediment sample collected from CI2C (Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(13)-CI2C-171011

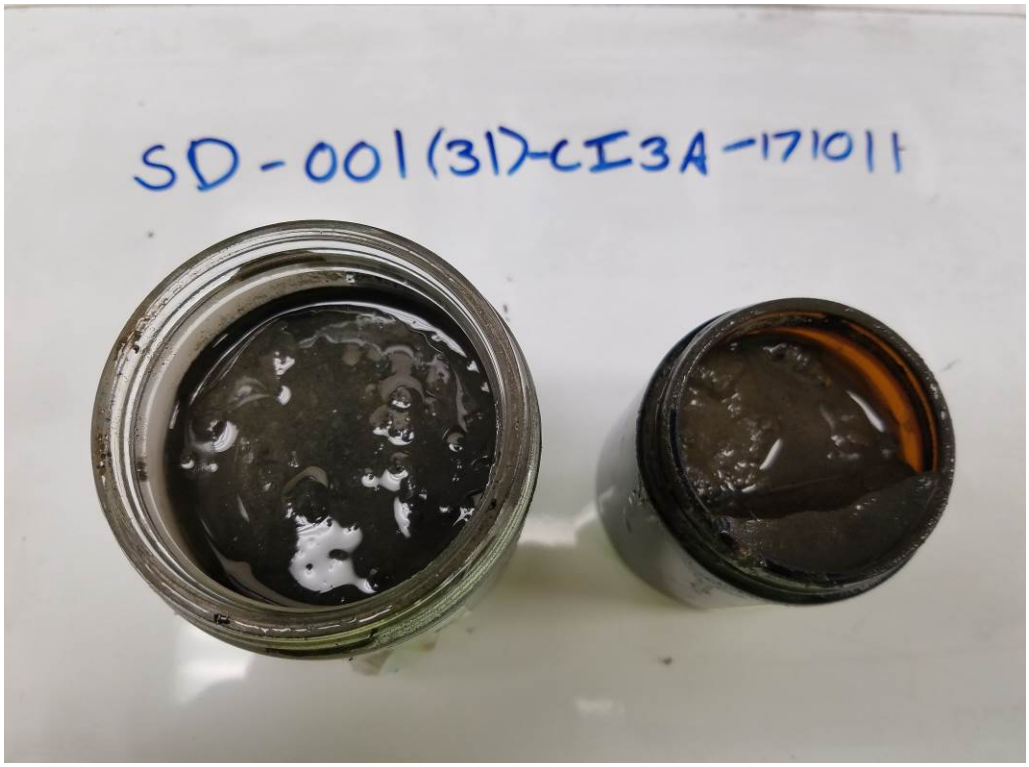


Image 8: Sediment sample collected from CI3A (Curds Inlet), Lower Herrington Lake. Sample ID = SD-001(31)-CI3A-171011

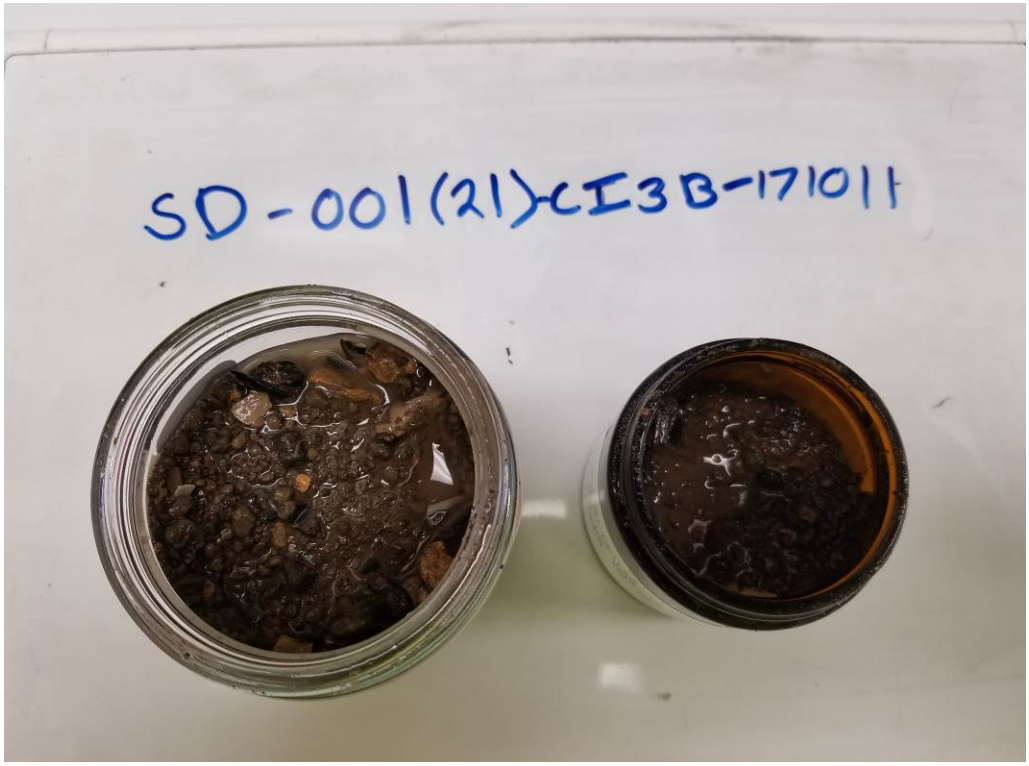


Image 9: Sediment sample collected from CI3B (Curds Inlet), Lower Herrington Lake. Sample ID = SD- SD-001(21)-CI3B-171011

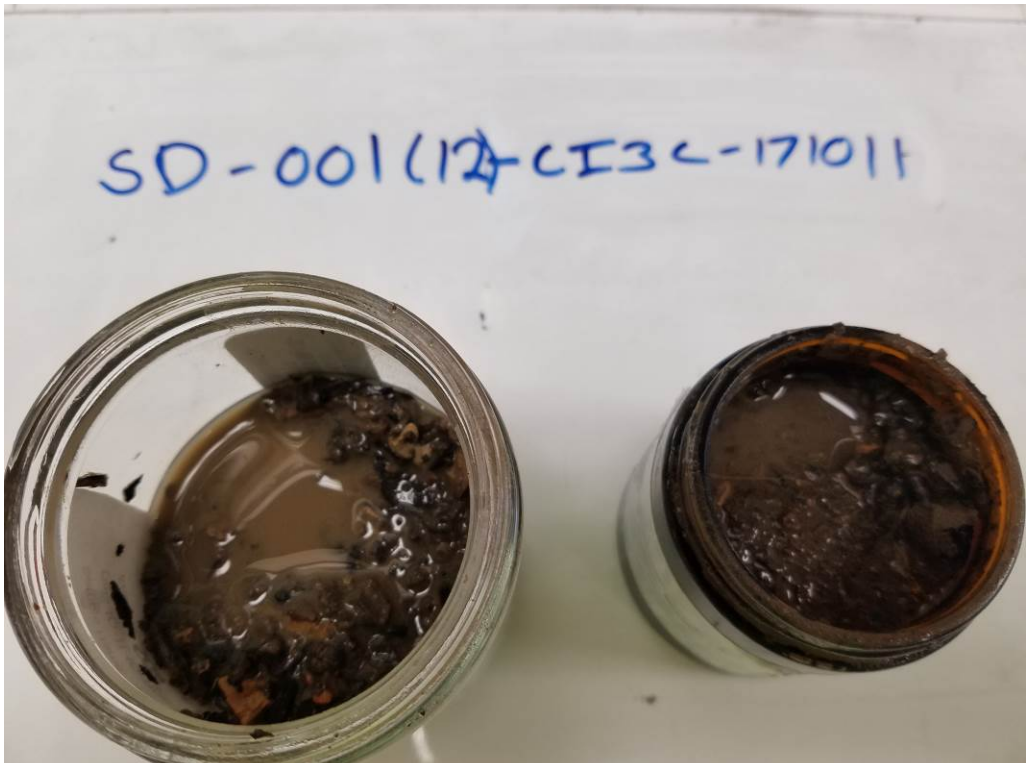


Image 10: Sediment sample collected from CI3C (Curds Inlet), Lower Herrington Lake. Sample ID = SD- SD-001(12)-CI3C-171011

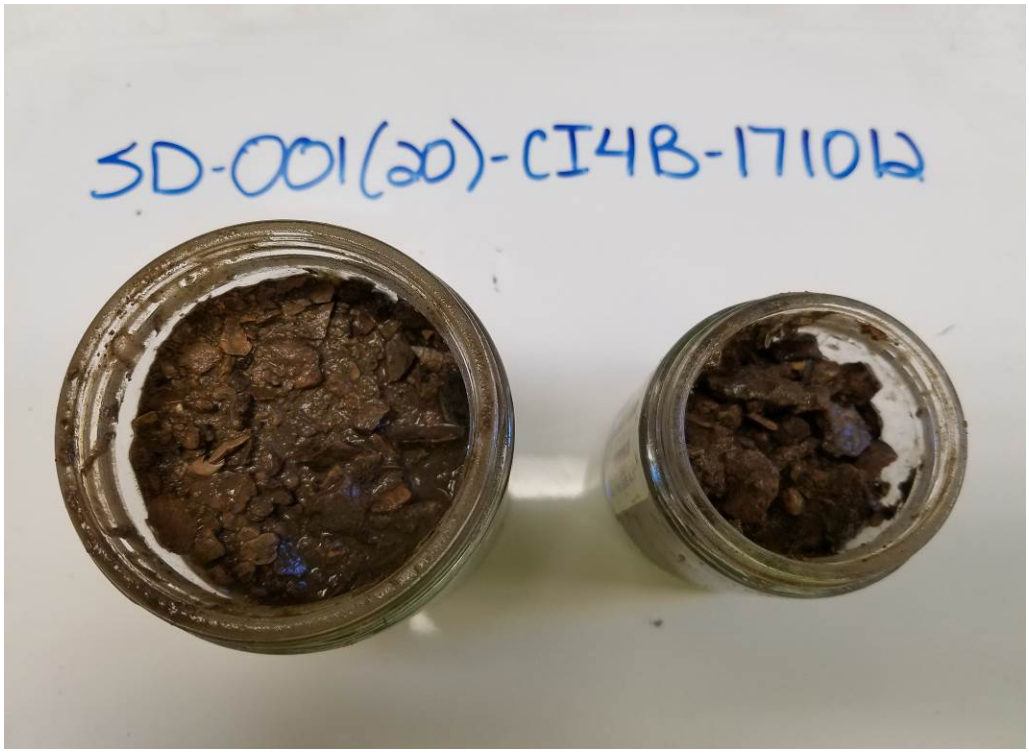


Image 11: Sediment sample collected from CI4B (Mouth of Curds Inlet), Lower Herrington Lake.
Sample ID = SD-001(20)-CI4B-171012

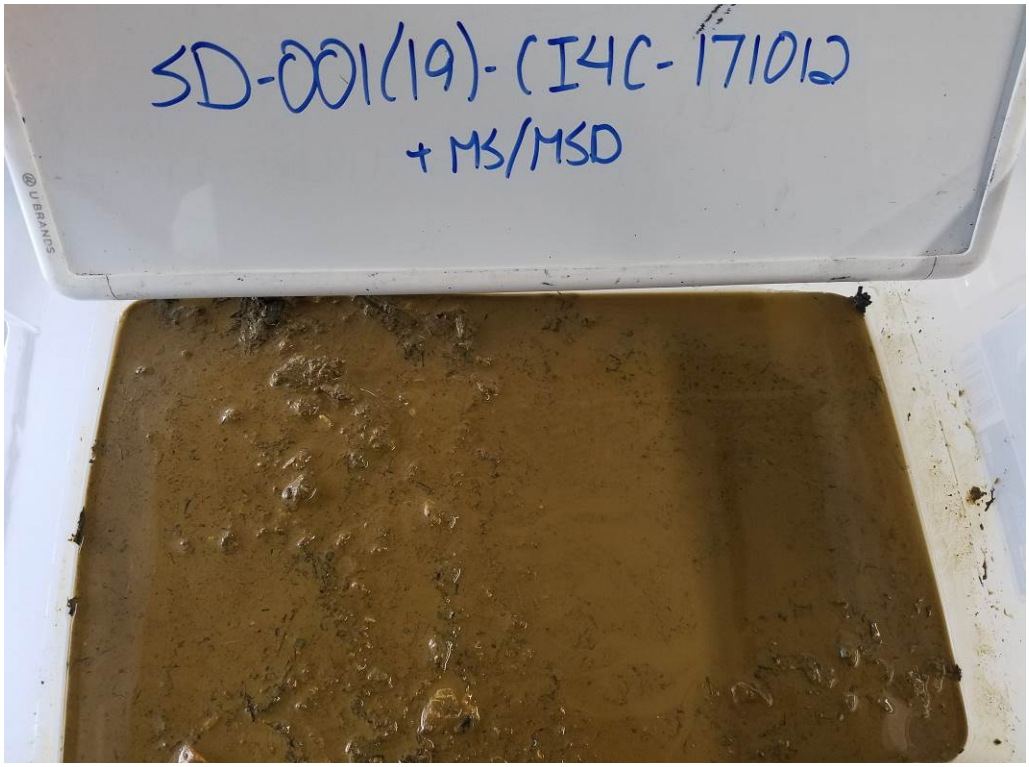


Image 12: Sediment Sample Collected from CI4C (Mouth of Curds Inlet), Lower Herrington Lake.
Sample ID = SD-001(19)-CI4C-171012, SD-001(19)-CI4C-171012-MS/MSD

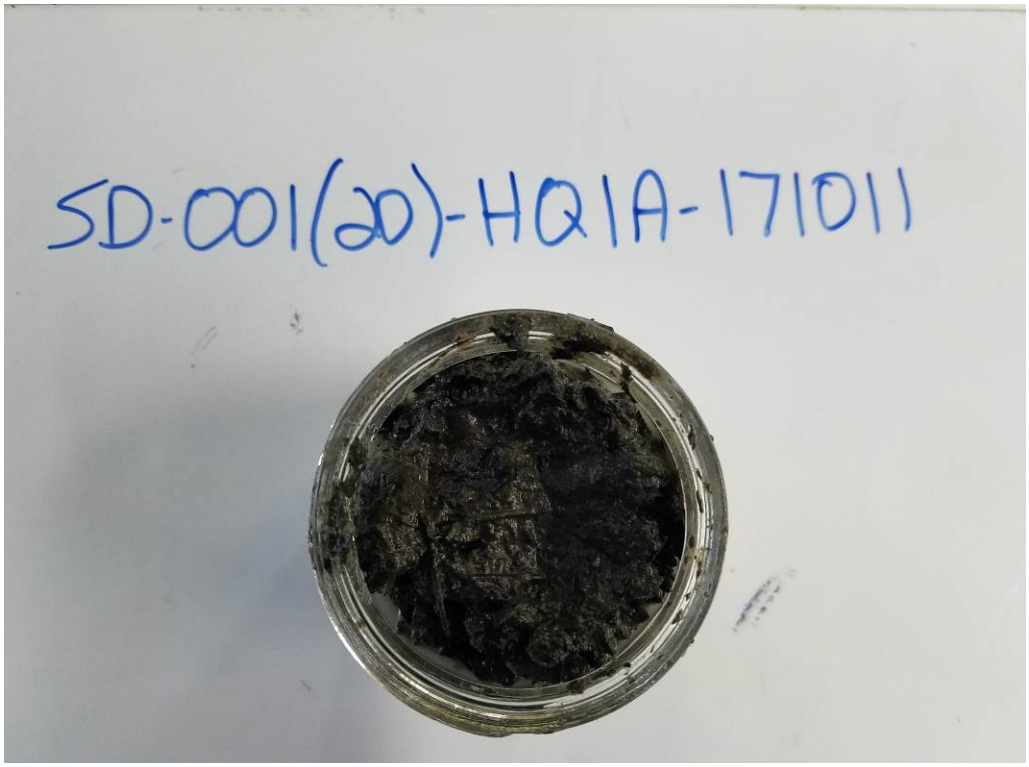


Image 13: Sediment sample collected from HQ1A (HQ Inlet), Lower Herrington Lake.
Sample ID = SD-001(20)-HQ1A-171011

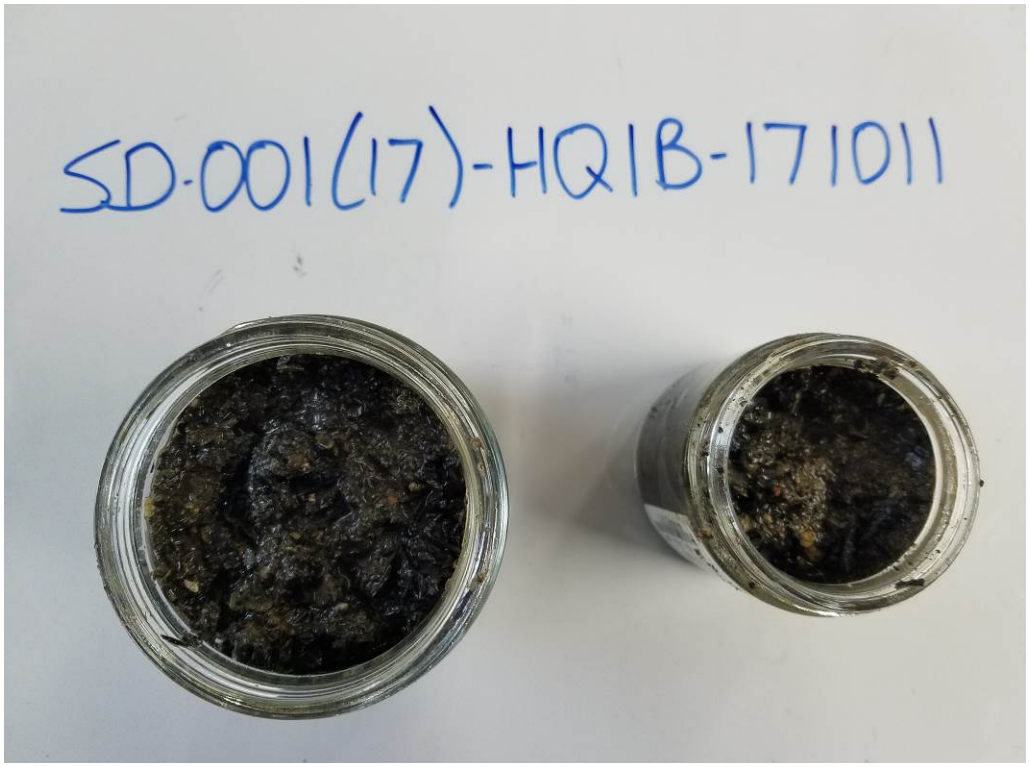


Image 14: Sediment sample collected from HQ1B (HQ Inlet), Lower Herrington Lake.
Sample ID = SD-001(17)-HQ1B-171011

Image 15: Sediment sample collected from HQ1C (HQ Inlet), Lower Herrington Lake.
Sample ID = SD-001(13)-HQ1C-171011

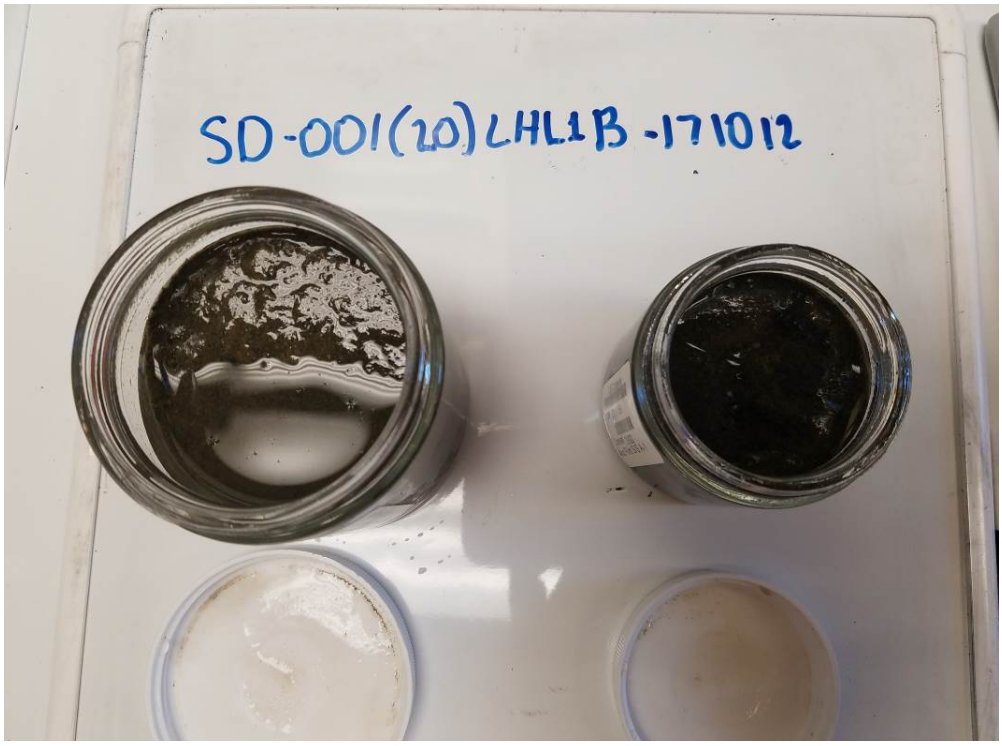


Image 16: Sediment sample collected from LHL1B (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL1B-171012

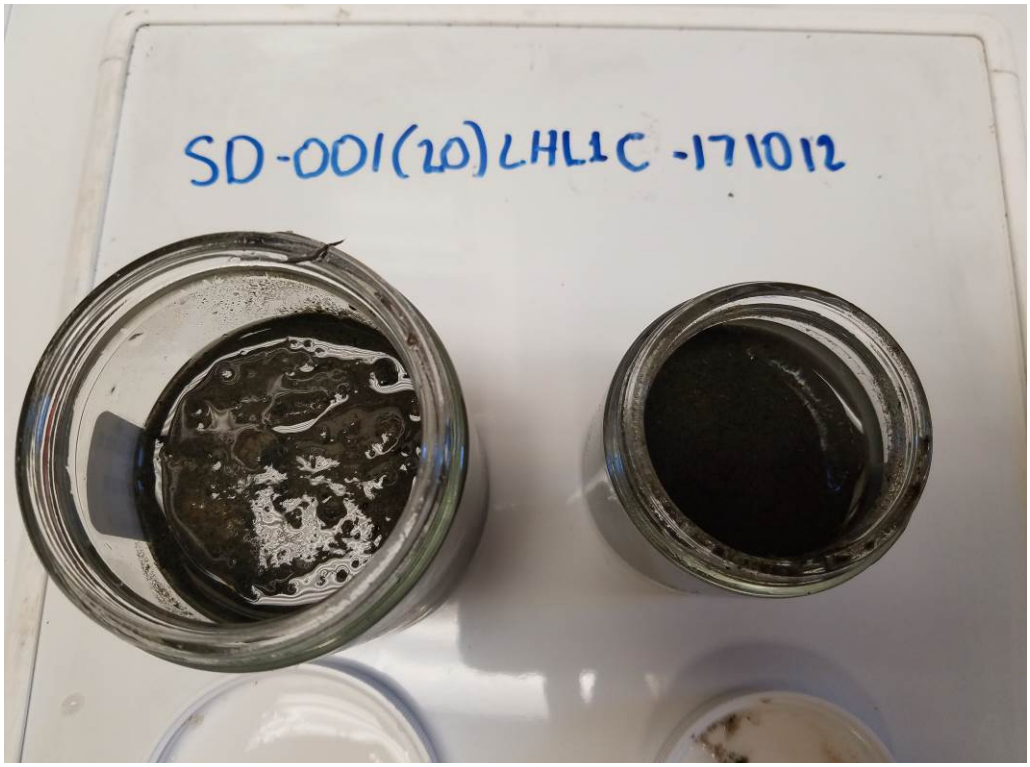


Image 17: Sediment sample collected from LHL1C (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL1C-171012

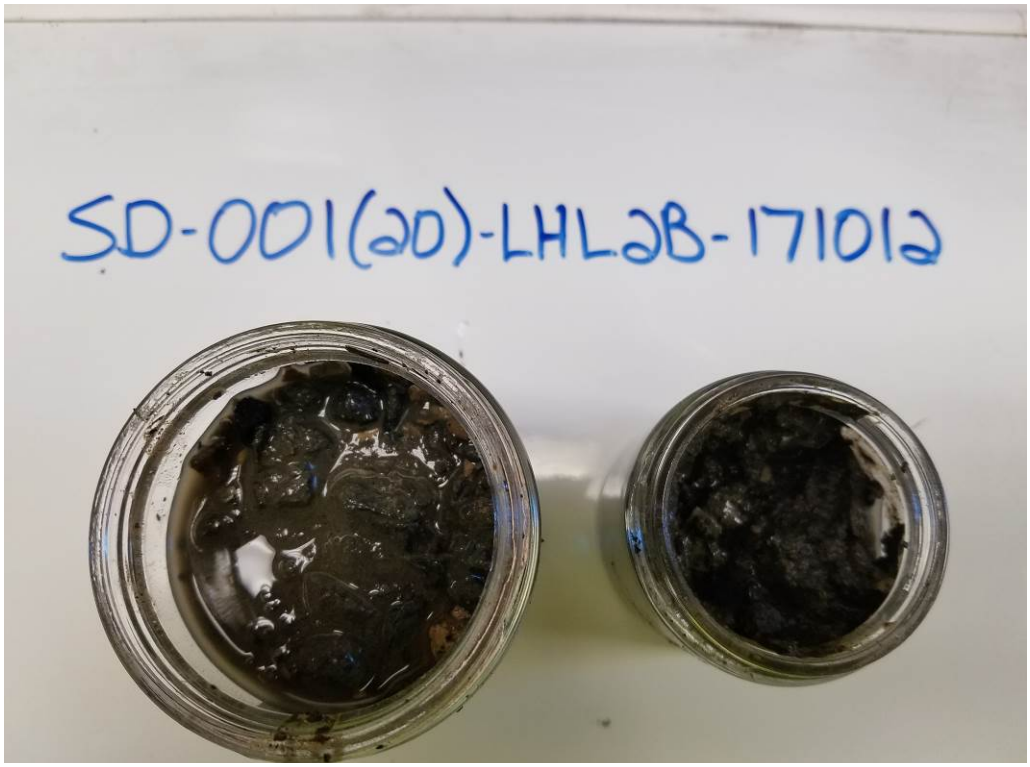


Image 18: Sediment sample collected from LHL2B (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL2B-171012

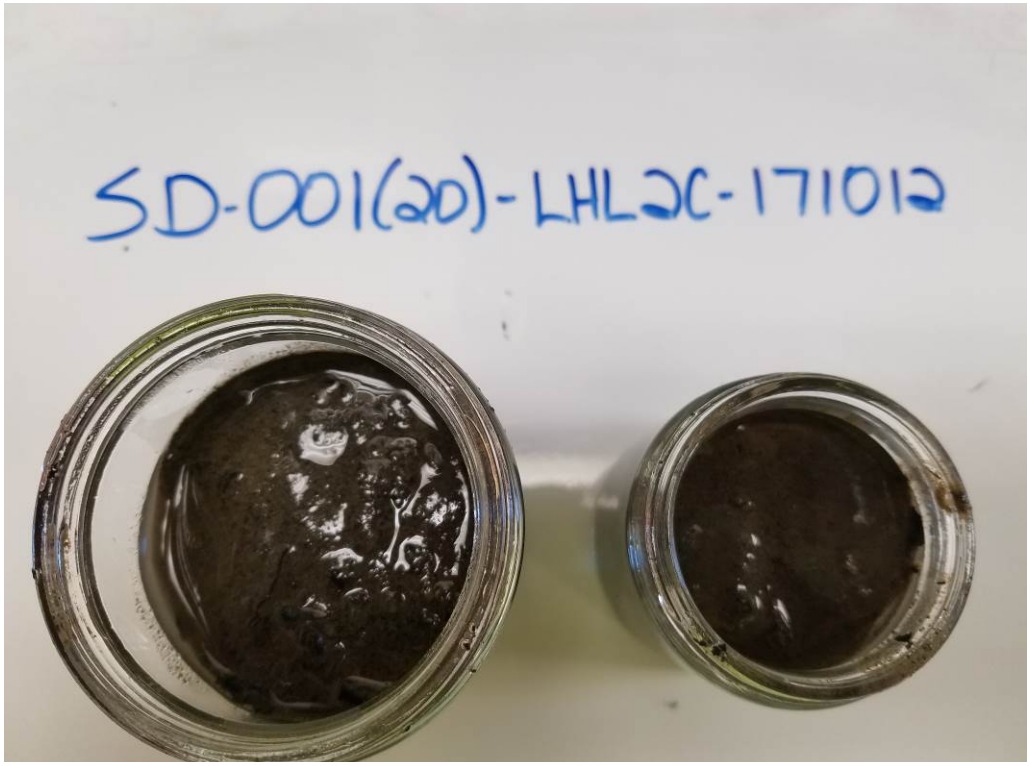


Image 19: Sediment sample collected from LHL2C (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL2C-171012

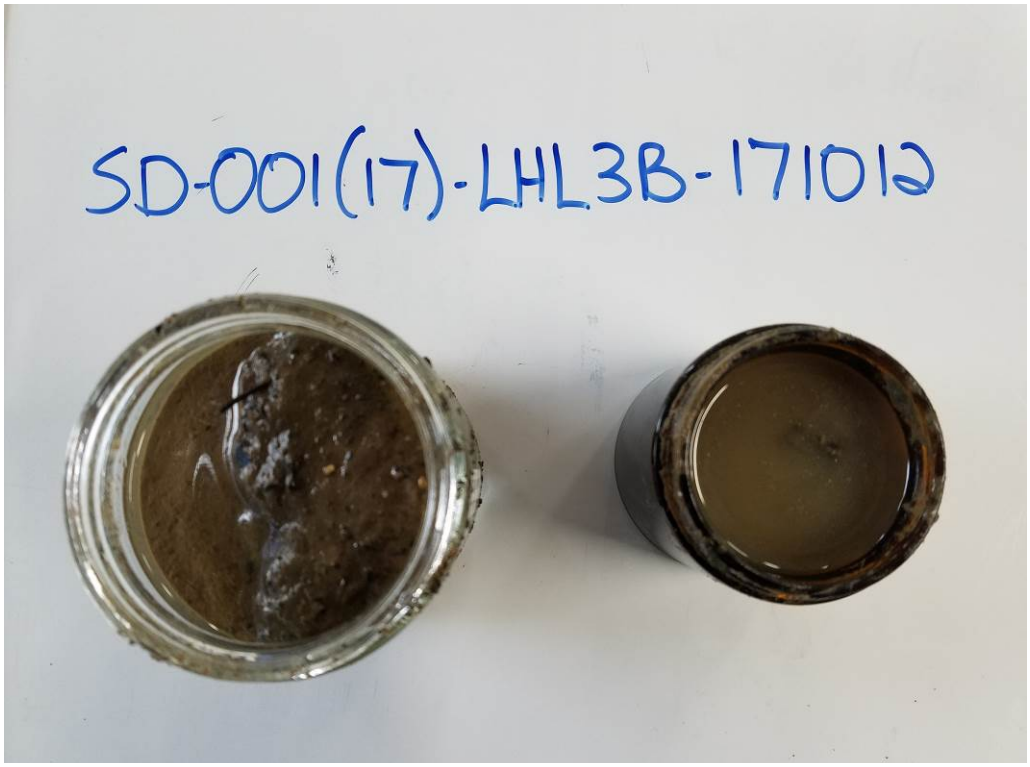


Image 20: Sediment sample collected from LHL3B (Lower Herrington Lake).
Sample ID = SD-001(17)-LHL3B-171012

Image 21: Sediment sample collected from LHL3C (Lower Herrington Lake).
Sample ID = SD-001(24)-LHL3C-171012

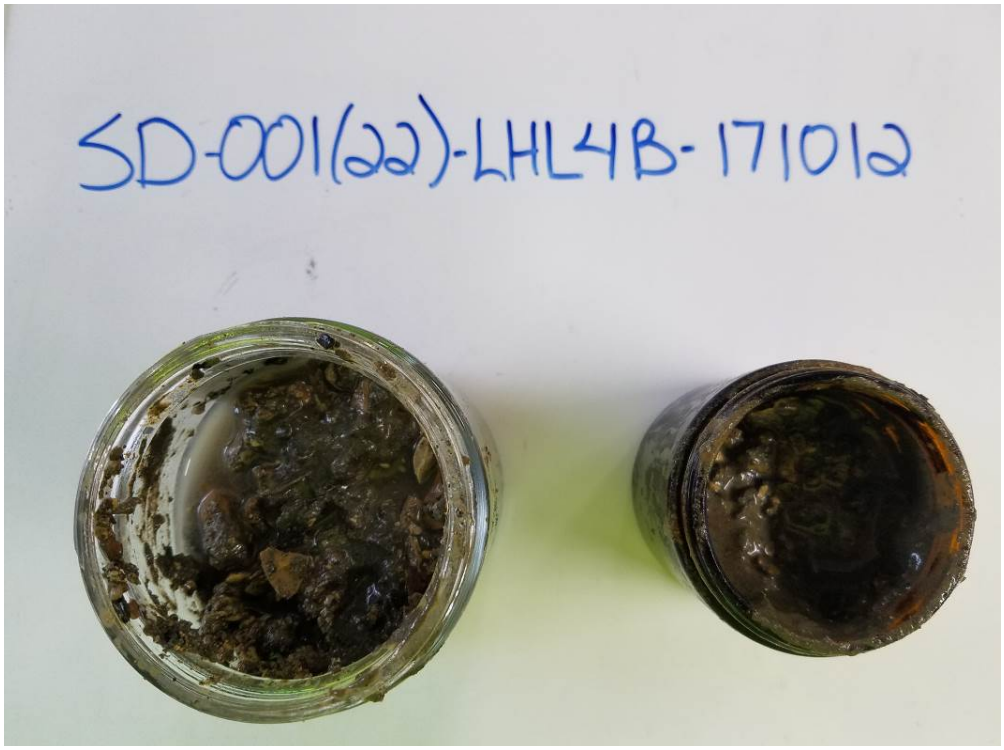


Image 22: Sediment sample collected from LHL4B (Lower Herrington Lake).
Sample ID = SD-001(22)-LHL4B-171012

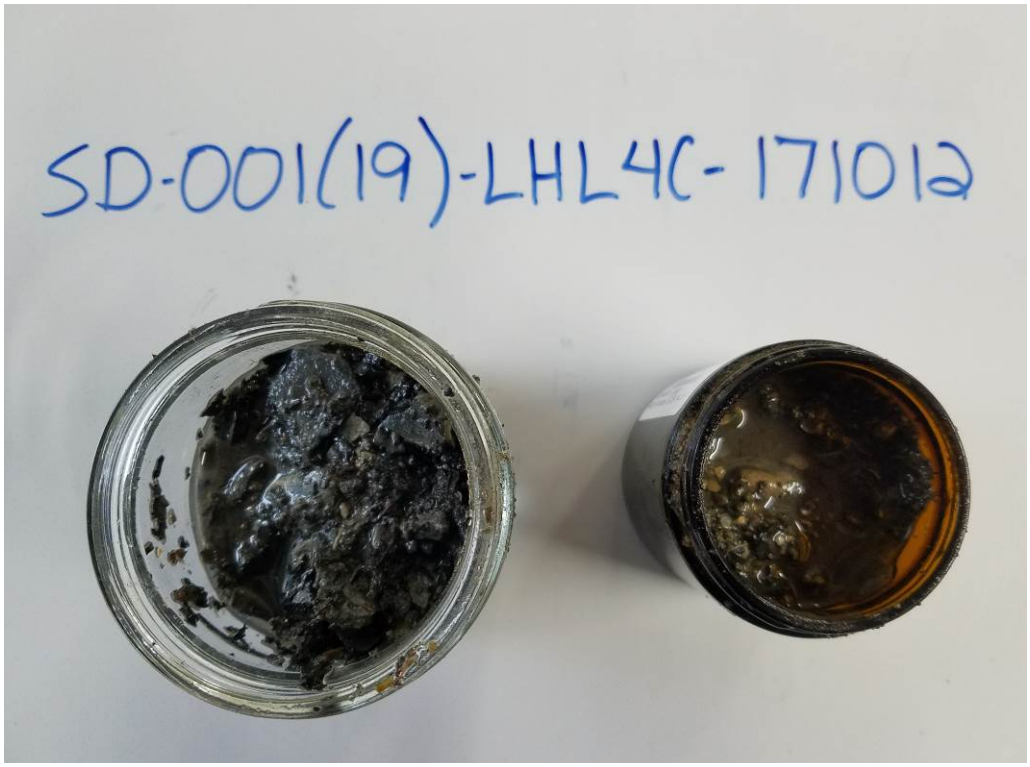


Image 23: Sediment sample collected from LHL4C (Lower Herrington Lake).
Sample ID = SD-001(19)-LHL4C-171012

Image 24: Sediment sample collected from LHL5B (Lower Herrington Lake).
Sample ID = SD-001(16)-LHL5B-171012

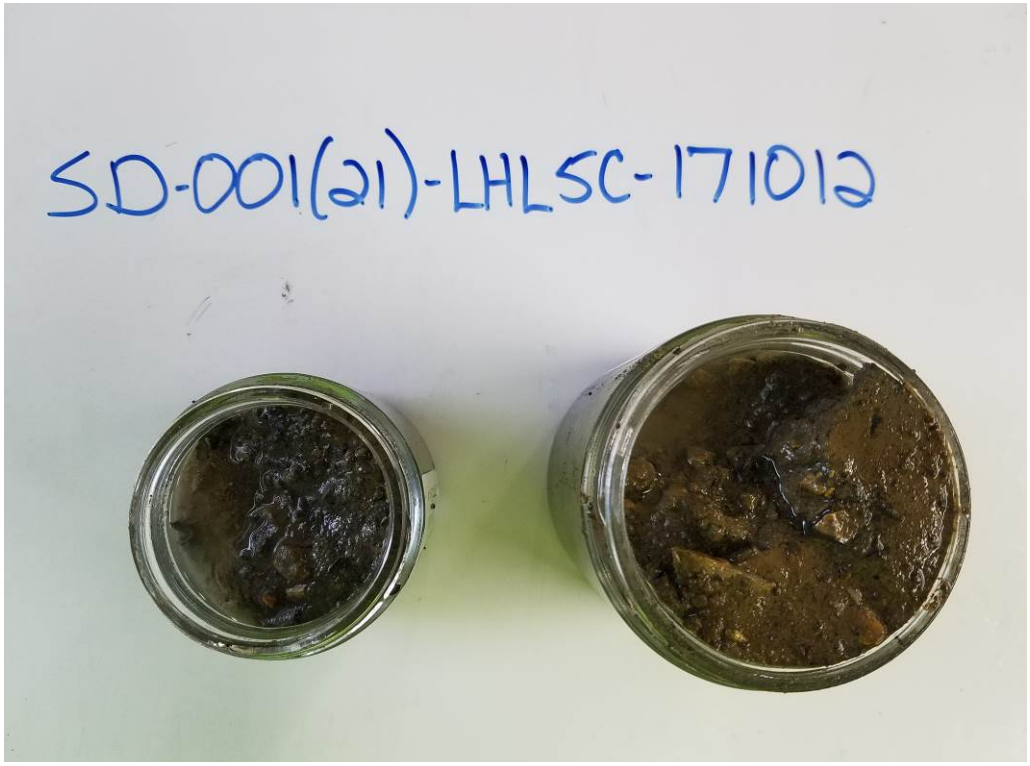


Image 25: Sediment sample collected from LHL5C (Lower Herrington Lake).
Sample ID = SD-001(21)-LHL5C-171012

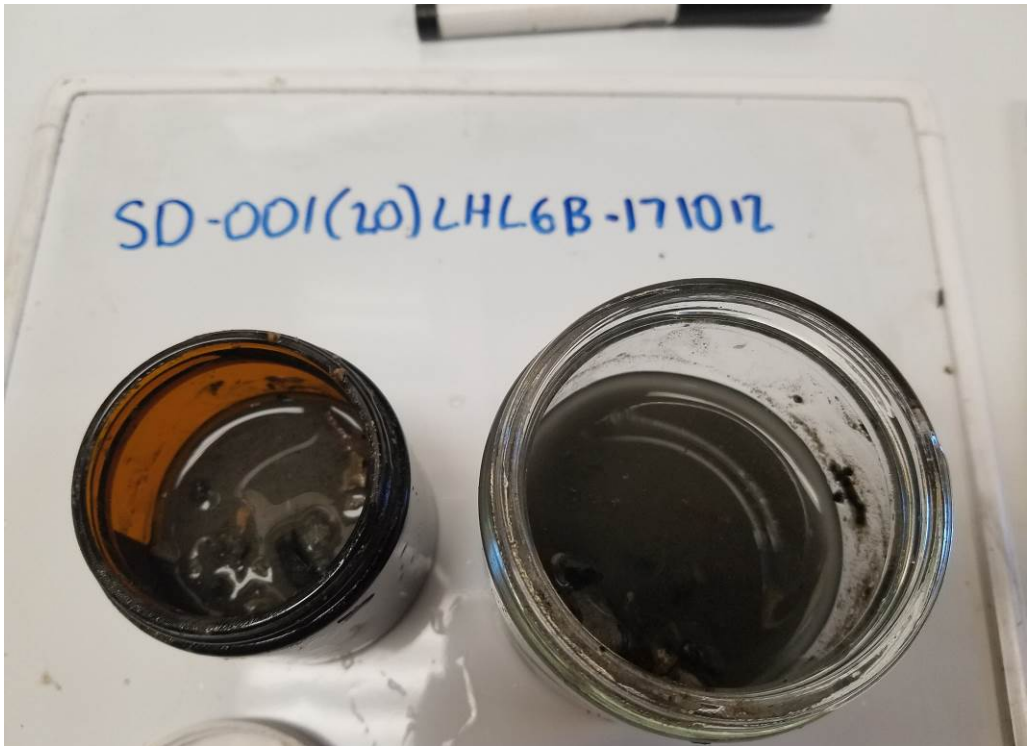


Image 26: Sediment sample collected from LHL6B (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL6B-171012

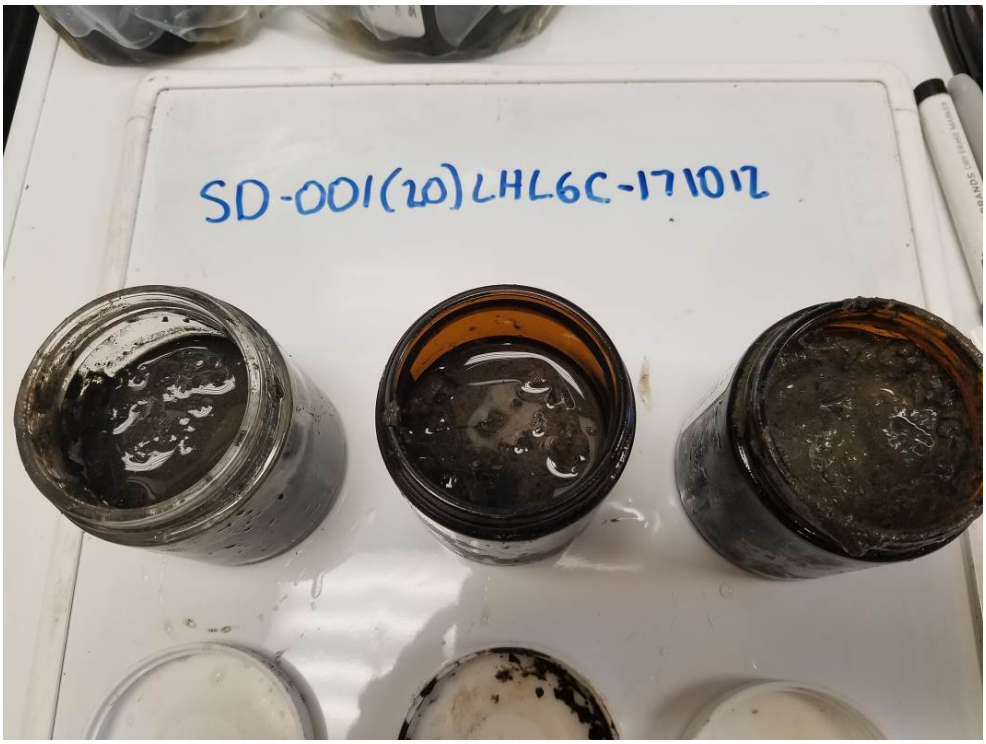


Image 27: Sediment sample collected from LHL6C (Lower Herrington Lake).
Sample ID = SD-001(20)-LHL6C-171012

Image 28: Sediment sample collected from Dix River (downstream of the dam).
Sample ID = SD-001(1)-DR1-171016

Image 29: Sediment sample collected from CI-2.1B (Curds Inlet).
Sample ID = SD001(17)-CI2.1B-180619

Image 30: Sediment sample collected from CI 2.1C (Curds Inlet).
Sample ID = SD001(10)-CI2.1C-180619

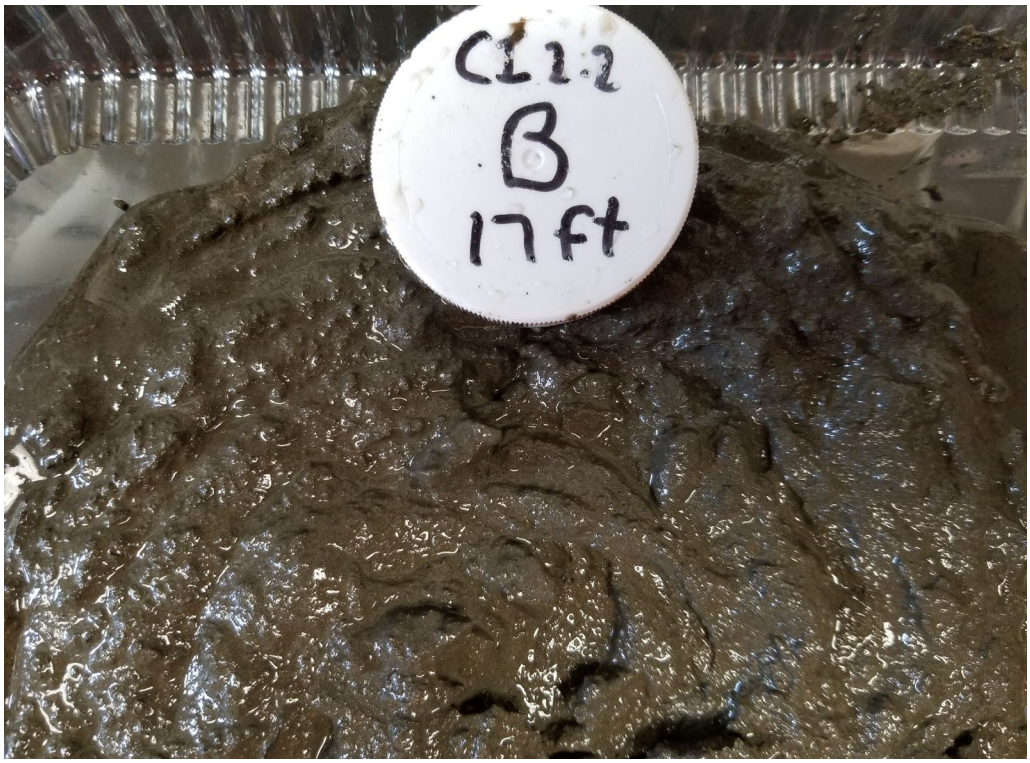


Image 31: Sediment sample collected from CI-2.2B (Curds Inlet).
Sample ID = SD001(17)-CI2.2B-180619

Image 32: Sediment sample collected from CI 2.2C (Curds Inlet).
Sample ID = SD001(10)-CI2.2C-180619

Image 33: Duplicate sediment sample collected from CI 2.2C (Curds Inlet)
Sample ID = SD001(10)-CI2.2C, DUP-003-180629 (Duplicate sample)

Image 34: Sediment sample collected from CI-3A (Curds Inlet).
Sample ID = SD001(23)-CI3A-180620

Image 35: Duplicate sediment sample collected from CI-3A (Curds Inlet).
Sample ID = SD001(23)-CI3A, DUP-004-180620 (duplicate sample)

Image 36: Sediment sample collected from CI-3C (Curds Inlet).
Sample ID = SD001(10)-CI3C-180620

Image 37: Sediment sample collected from CI 3.1A (Curds Inlet).
Sample ID = S001(30)-CI3.1A-180620

Image 38: Sediment sample collected from CI 3.1C (Curds Inlet).
Sample ID = SD001(10)-CI3.1C-180620

Image 39: Sediment sample collected from CI-3.2A (Curds Inlet).
Sample ID = SD001(35)-CI3.2A-180620

Image 40: Sediment sample collected from CI-4A (Curds Inlet).
Sample ID = SD001(72)-CI4A-180620

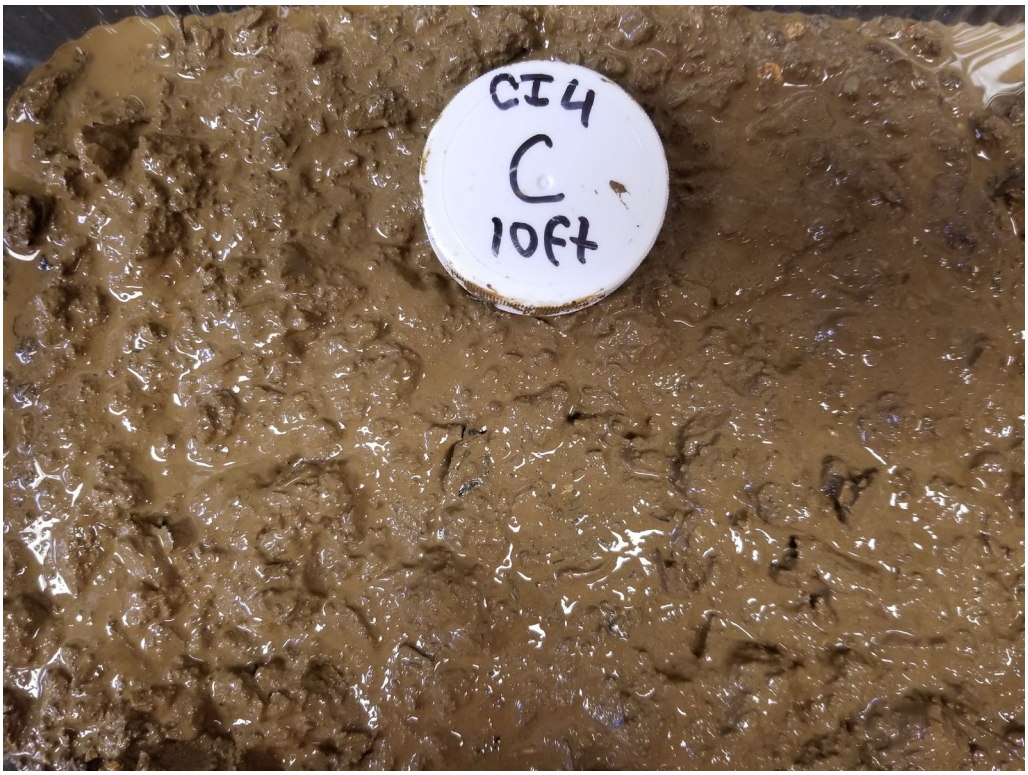


Image 41: Sediment sample collected from CI-4C (Curds Inlet).
Sample ID = SD001(10)-CI4C-180620

APPENDIX B: DIGITAL IMAGE LOGS

Appendix B6: Aquatic Invertebrates and Vegetation Sample Image Log

Image 1: Crayfish sample collected From CI1 (Upper Curds Inlet), Lower Herrington Lake.
Sample ID = AI-001-CI1-171004

Image 2: Crayfish sample collected From CI2 (Curds Inlet), Lower Herrington Lake.
Sample ID = AI-001-CI2-171005

Image 3: Aquatic invertebrates (Mayflies) collected from CI3 (Curds Inlet), Lower Herrington Lake. Sample ID = AI-001-CI3-171005

Image 4: Crayfish and snails collected from CI3 (Curds Inlet), Lower Herrington Lake. Sample ID = AI-001-CI3-171005

Image 5: Crayfish collected from CI3 (Curds Inlet), Lower Herrington Lake.
Sample ID = AI-001-CI3-171005

Image 6: Crayfish sample collected from CI4 (Curds Inlet), Lower Herrington Lake.
Sample ID = AI-001-CI4-171005

Image 7: Crayfish sample collected from Dix River (below Dix Dam).
Sample ID = AI-001-DR-171007

Image 8: Crayfish sample collected from LHL1 (Rocky Fork).
Sample ID = AI-001-LHL1-171012

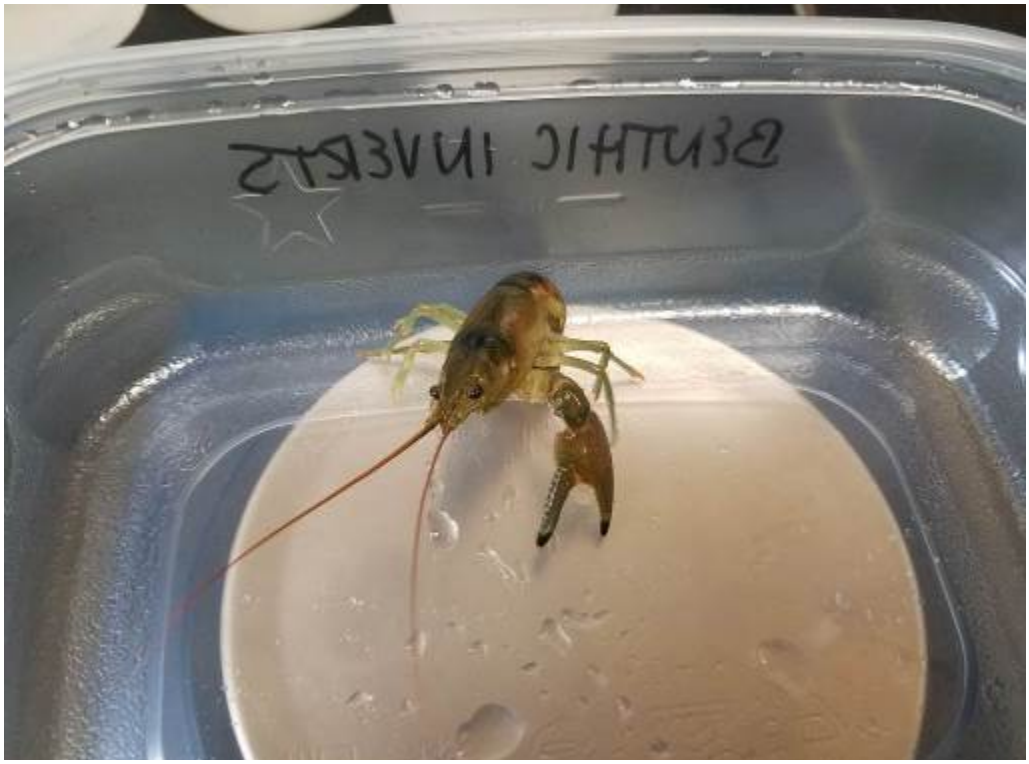


Image 9: Crayfish sample collected from LHL2 (Dix Dam).
Sample ID = AI-001-LHL2-171012

Image 10: Invertebrate sample collected from LHL2 (Dix Dam).
Sample ID = AI-001-LHL2-171012

Image 11: Crayfish sample (1 of 2) collected from LHL3 (Lower Herrington Lake).
Sample ID = AI-001-LHL3-171012

Image 12: Crayfish sample (2 of 2) collected from LHL3 (Lower Herrington Lake).
Sample ID = AI-001-LHL3-171012

Image 13: Invertebrate sample (1 of 2) collected from LHL3 (Lower Herrington Lake).
Sample ID = AI-001-LHL3-171012

Image 14: Invertebrate sample (2 of 2) collected from LHL3 (Lower Herrington Lake).
Sample ID = AI-001-LHL3-171012

Image 15: Crayfish sample collected from LHL4 (Lower Herrington Lake).
Sample ID = AI-001-LHL4-171012

Image 16: Invertebrate sample collected from LHL4 (Lower Herrington Lake).
Sample ID = AI-001-LHL4-171012

Image 17: Crayfish sample (1 of 2) collected from LHL5 (Lower Herrington Lake).
Sample ID = AI-001-LHL5-171012

Image 18: Crayfish sample (2 of 2) collected from LHL5 (Lower Herrington Lake).
Sample ID = AI-001-LHL5-171012

Image 19: Invertebrate sample (1 of 2) collected from LHL5 (Lower Herrington Lake).
Sample ID = AI-001-LHL5-171012

Image 20: Invertebrate sample (2 of 2) collected from LHL5 (Lower Herrington Lake).
Sample ID = AI-001-LHL5-171012

Image 21: Crayfish sample (1 of 2) collected from LHL6 (Lower Herrington Lake).
Sample ID = AI-001-LHL6-171012

Image 22: Crayfish sample (2 of 2) collected from LHL6 (Lower Herrington Lake).
Sample ID = AI-001-LHL6-171012

Image 23: Invertebrate sample (1 of 3) collected from LHL6 (Lower Herrington Lake).
Sample ID = AI-001-LHL6-171012

Image 24: Invertebrate sample (2 of 3) collected from LHL6 (Lower Herrington Lake).
Sample ID = AI-001-LHL6-171012

Image 25: Invertebrate sample (3 of 3) collected from LHL6 (Lower Herrington Lake).
Sample ID = AI-001-LHL6-171012

Image 26: Crayfish sample collected from HQ Inlet (Lower Herrington Lake).
Sample ID = AI-001-HQ-171006

Image 27: Invertebrate Sample Collected from HQ Inlet (Lower Herrington Lake).
Sample ID = AI-001-HQ-171006

Image 28: Aquatic vegetation sample collected from CI1 (Upper Curds Inlet), Lower Herrington Lake. Sample ID = AV-001-CI1-171004

Image 29: Aquatic vegetation sample collected from CI2 (Curds Inlet), Lower Herrington Lake. Sample ID = AV-001-CI2-171005

Image 30: Aquatic vegetation sample collected from CI3 (Curds Inlet), Lower Herrington Lake. Sample ID = AV-001-CI3-171005

Image 31: Aquatic vegetation sample collected from CI4 (Curds Inlet), Lower Herrington Lake. Sample ID = AV-001-CI4-171005

Image 32: Aquatic vegetation sample (1 of 2) collected from HQ Inlet, Lower Herrington Lake. Sample ID = AV-001-HQ-171006

Image 33: Aquatic vegetation sample (2 of 2) collected from HQ Inlet, Lower Herrington Lake. Sample ID = AV-001-HQ-171006

Image 34: Aquatic vegetation sample collected from LHL1 (Lower Herrington Lake).
Sample ID = AV-001-LHL1-171012

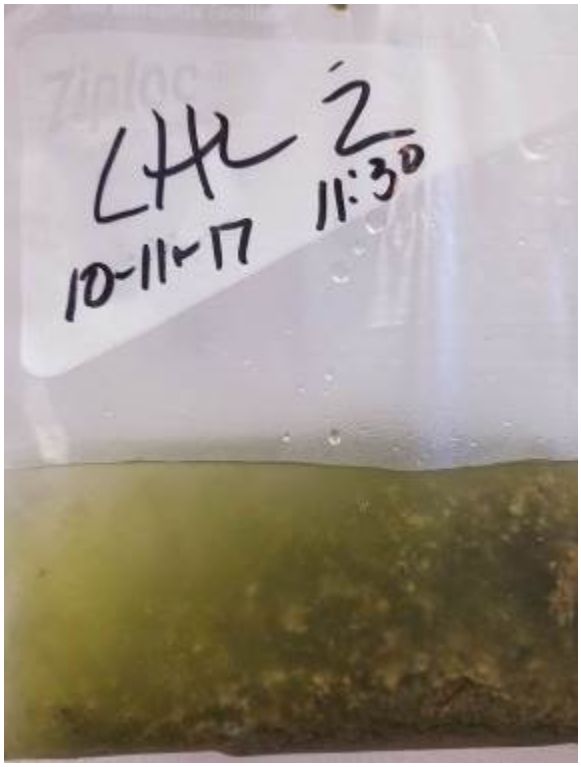


Image 35: Aquatic vegetation sample (1 of 2) collected from LHL2 (Lower Herrington Lake).
Sample ID = AV-001-LHL2-171012

Image 36: Aquatic vegetation sample (2 of 2) collected from LHL2 (Lower Herrington Lake). Sample ID = AV-001-LHL2-171012

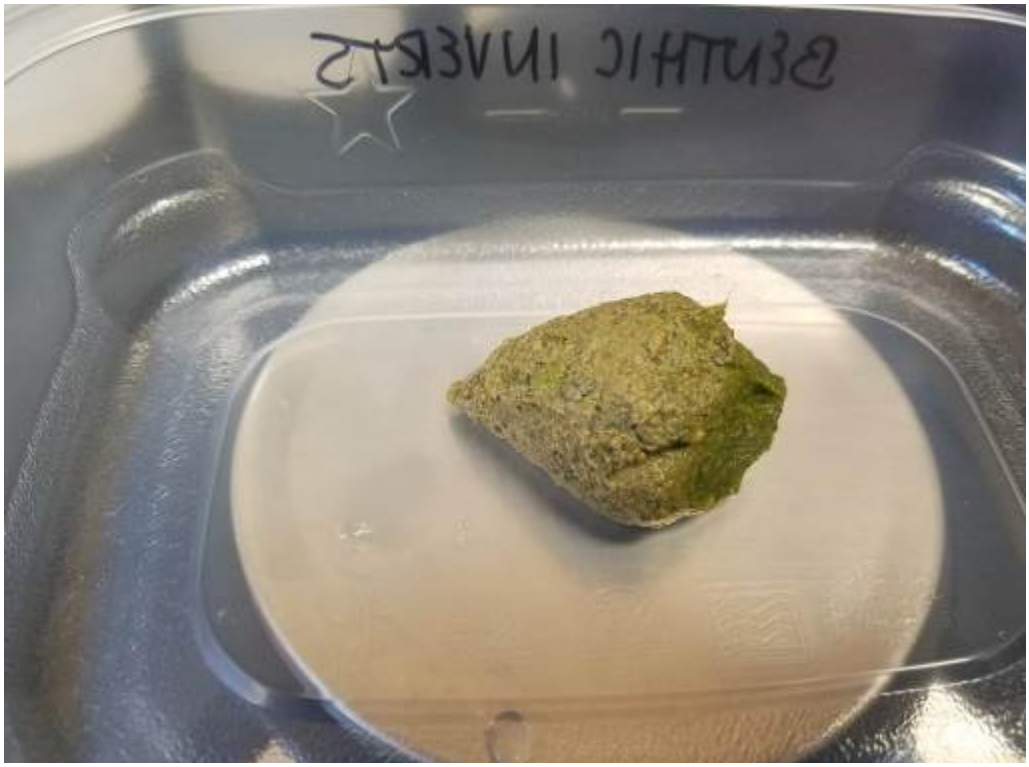


Image 37: Aquatic vegetation sample collected from LHL3 (Lower Herrington Lake). Sample ID = AV-001-LHL3-171012

Image 38: Aquatic vegetation sample collected from LHL4 (Lower Herrington Lake).
Sample ID = AV-001-LHL4-171012

Image 39: Aquatic vegetation sample collected from LHL5 (Lower Herrington Lake).
Sample ID = AV-001-LHL5-171012

Image 40: Aquatic vegetation sample (1 of 2) collected from LHL6 (Lower Herrington Lake). Sample ID = AV-001-LHL6-171012

Image 41: Aquatic vegetation sample (2 of 2) collected from LHL6 (Lower Herrington Lake). Sample ID = AV-001-LHL6-171012

Image 42: Aquatic vegetation sample collected from Dix River (below Dix Dam).
Sample ID = AV-001-DR-171007