

Table 4-17
Ecological Risk Assessment Sampling Summary

CERCLA PFAS Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, Maine

Location	Sample ID	Sample Date	Sample Code	Description	Sample Type
Aquatic Sampling					
Caribou Stream - Tissue & Associated Abiotic	E-A-BIOCS_FSH01_20240819	8/19/2024	N	Golden shiners and creek chubs	Vertebrate Tissue
	E-A-BIOCS_PLT01_20240819	8/19/2024	N	Tussock Sedge	Plant Tissue
	E-A-BIOCS_INV01_20240820	8/20/2024	N	Crayfish	Invertebrate Tissue
	E-A-SD01CS_00-0.3_20240819	8/19/2024	N	Collocated Sediment	Sediment
	E-A-SW01CS_20240819	8/19/2024	N	Collocated Surface Water	Surface Water
Prestile Brook - Tissue & Associated Abiotic	E-A-PW01CS_20240819	8/19/2024	N	Collocated Porewater	Porewater
	E-A-BIOPB_PLT01_20240819	8/19/2024	N	American Bur-Reed	Plant Tissue
	E-A-BIOPB_FSH01_20240820	8/20/2024	N	Redbelly Dace	Vertebrate Tissue
	E-A-BIOPB_INV01_20240820	8/20/2024	N	Crayfish	Invertebrate Tissue
	E-A-SD01PB_00-0.3_20240819	8/19/2024	N	Collocated Sediment	Sediment
Zone A - Tissue & Associated Abiotic	E-A-SW01PB_20240819	8/19/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01PB_20240819	8/19/2024	N	Collocated Porewater	Porewater
	E-A-BIOA_INV01_20240820	8/20/2024	N	Leeches, snails, insect larvae	Invertebrate Tissue
	E-A-BIOA_PLT01_20240820	8/20/2024	N	Cattail leaves, emergent tree leaves, rooted macrophytes	Plant Tissue
	E-A-BIOA_INV02_20240820	8/20/2024	N	Leeches, snails, insect larvae	Invertebrate Tissue
Zone A - Unassociated Abiotic	E-A-BIOA_FSH01_20240820	8/20/2024	N	Brook Sticklebacks	Vertebrate Tissue
	E-A-PW01A_20240820	8/20/2024	N	Collocated Porewater	Porewater
	E-A-SD01A_00-0.5_20240820	8/20/2024	N	Collocated Sediment	Sediment
	E-A-SW01A_20240820	8/20/2024	N	Collocated Surface Water	Surface Water
	E-A-SW02A_20240820	8/20/2024	N	Unassociated Surface Water	Surface Water
Zone A - Historic Abiotic	E-A-SD02A_00-0.5_20240820	8/20/2024	N	Unassociated Sediment	Sediment
	E-A-PW02A_20240820	8/20/2024	N	Unassociated Porewater	Porewater
	LORNG_AA20SW01_06182022	6/18/2022	N	Historic Surface Water	Surface Water
	LORNG_AA20SD01_06182022	6/18/2022	N	Historic Sediment	Sediment
	LORNG_AA20SW02_06182022	6/18/2022	N	Historic Surface Water	Surface Water
Zone B - Tissue & Associated Abiotic	LORNG_AA20SD02_06182022	6/18/2022	N	Historic Sediment	Sediment
	LORNG_AA20SD02_06182022FD	6/18/2022	FD	Historic Sediment	Sediment
	E-A-BIOB_PLT01_20240815	8/15/2024	N	Sedge	Plant Tissue
	E-A-BIOB_FSH01_20240815	8/15/2024	N	Minnows and Creek Chubs	Vertebrate Tissue
	E-A-BIOB_INV01_20240817	8/17/2024	N	Crayfish	Invertebrate Tissue
Zone C - Tissue & Associated Abiotic	E-A-SD01B_00-0.5_20240815	8/15/2024	N	Collocated Sediment	Sediment
	E-A-PW01B_20240815	8/15/2024	N	Collocated Porewater	Porewater
	E-A-SW01B_20240815	8/15/2024	N	Collocated Surface Water	Surface Water
	E-A-BIOC_PLT01_20240816	8/16/2024	N	Lily Pad	Plant Tissue
	E-A-BIOC_FSH01_20240817	8/17/2024	N	Creek Chub	Vertebrate Tissue
Zone D - Tissue & Associated Abiotic	E-A-BIOC_INV01_20240816	8/16/2024	N	Crayfish	Invertebrate Tissue
	E-A-SD01C_00-0.5_20240816	8/16/2024	N	Collocated Sediment	Sediment
	E-A-SW01C_20240816	8/16/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01C_20240816	8/16/2024	N	Collocated Porewater	Porewater
	E-A-BIOD_PLT01_20240817	8/17/2024	N	Shoreline berries, rooted macrophyte	Plant Tissue
Zone D - Unassociated Abiotic	E-A-BIOD_INV01_20240817	8/17/2024	N	Leeches, waterbugs, dragonfly larvae, snails	Invertebrate Tissue
	E-A-BIOD_FSH01_20240817	8/17/2024	N	Green Frogs	Vertebrate Tissue
	E-A-SD01D_00-0.2_20241024	10/24/2024	N	Collocated Sediment	Sediment
	E-A-SW01D_20241024	10/24/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01D_20241024	10/24/2024	N	Collocated Porewater	Porewater
Zone D - Historic	E-A-SW02D_20241029	10/29/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD02D_00-0.5_20241029	10/29/2024	N	Unassociated Sediment	Sediment
	LORNG_SW18004_06192022	6/19/2022	N	Historic Surface Water	Surface Water
	LORNG_SD18004_06192022	6/19/2022	N	Historic Sediment	Sediment
	LORNG_HSS008_07222022	7/22/2022	N	Historic Hydric Soil	Hydric Soil
Zone E - Tissue & Associated Abiotic	LORNG_HSSG08_07222022	7/22/2022	N	Historic Shallow Groundwater	Shallow Groundwater
	E-A-BIOE_PLT01_20240818	8/18/2024	N	Rooted Submerged Macrophyte	Plant Tissue
	E-A-BIOE_FSH01_20240819	8/19/2024	N	Creek Chub and Smallmouth Bass	Vertebrate Tissue
	E-A-BIOE_INV01_20240819	8/19/2024	N	Crayfish	Invertebrate Tissue
	E-A-SD01E_00-01_20241029	10/29/2024	N	Collocated Sediment	Sediment
Zone E - Unassociated Abiotic	E-A-SW01E_20241029	10/29/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01E_20241029	10/29/2024	N	Collocated Porewater	Porewater
	E-A-SW02E_20241029	10/29/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD02E_00-0.5_20241029	10/29/2024	N	Unassociated Sediment	Sediment
	E-A-PW02E_20241029	10/29/2024	N	Unassociated Porewater	Porewater

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Zone E - Historic Abiotic	LORNG_LT13A_SW_07082022	7/8/2022	N	Historic Surface Water	Surface Water
	LORNG_LT13A_SD_07082022	7/8/2022	N	Historic Sediment	Sediment
	LORNG_BB_SED002_FP_07092022	7/9/2022	N	Historic Sediment	Sediment
Zone F - Tissue & Associated Abiotic	E-A-BIOF_PLT01_20240816	8/16/2024	N	Algae	Plant Tissue
	E-A-BIOF_FSH01_20240817	8/17/2024	N	Creek Chub	Vertebrate Tissue
	E-A-BIOF_FSH01_20240817-FD	8/17/2024	FD	Creek Chub	Vertebrate Tissue
	E-A-BIOF_INV01_20240819	8/19/2024	N	Crayfish, Snails	Invertebrate Tissue
	E-A-SD01F_00-0.25_20240816	8/16/2024	N	Collocated Sediment	Sediment
	E-A-SW01F_20240816	8/16/2024	N	Collocated Surface Water	Surface Water
Zone G - Tissue & Associated Abiotic	E-A-PW01F_20240816	8/16/2024	N	Collocated Porewater	Porewater
	E-A-BIOG_PLT01_20240817	8/17/2024	N	Green algae	Plant Tissue
	E-A-BIOG_FSH01_20240817	8/17/2024	N	Smallmouth Bass and Creek Chub	Vertebrate Tissue
	E-A-BIOG_INV01_20240818	8/18/2024	N	Crayfish and Snails	Invertebrate Tissue
	E-A-SD01G_00-0.2_20240816	8/16/2024	N	Collocated Sediment	Sediment
	E-A-SW01G_20240816	8/16/2024	N	Collocated Surface Water	Surface Water
Zone H - Tissue & Associated Abiotic	E-A-PW01G_20240817	8/17/2024	N	Collocated Porewater	Porewater
	E-A-BIOH_PLT01_20240817	8/17/2024	N	Shoreline Macrophyte, Berries, Seedheads	Plant Tissue
	E-A-BIOH_FSH01_20240818	8/18/2024	N	Creek Chub	Vertebrate Tissue
	E-A-BIOH_INV01_20240819	8/19/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOH_INV01_20240819-FD	8/19/2024	FD	Crayfish	Invertebrate Tissue
	E-A-SD01H_00-0.2_20241024	10/24/2024	N	Collocated Sediment	Sediment
Zone H - Historic Abiotic	E-A-SW01H_20241024	10/24/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01H_20241024	10/24/2024	N	Collocated Porewater	Porewater
	LORNG_LT18_SW_07082022	7/8/2022	N	Historic Surface Water	Surface Water
	LORNG_LT18_SD_07082022	7/8/2022	N	Historic Sediment	Sediment
Zone I - Tissue & Associated Abiotic	LORNG_LS_SED001_FP_07102022	7/10/2022	N	Historic Sediment	Sediment
	LORNG_LS_SED002_FP_07102022	7/10/2022	N	Historic Sediment	Sediment
	E-A-BIOI_PLT01_20240817	8/17/2024	N	Submerged Macrophyte	Plant Tissue
	E-A-BIOI_INV01_20240817	8/17/2024	N	Leeches, waterbugs, dragonfly larvae, insects	Invertebrate Tissue
	E-A-BIOI_FSH01_20240817	8/17/2024	N	Green Frogs	Vertebrate Tissue
	E-A-SD02I_00-0.2_20241022	10/22/2024	N	Collocated Sediment	Sediment
Zone I - Unassociated Abiotic	E-A-SW02I_20241022	10/22/2024	N	Collocated Surface Water	Surface Water
	E-A-PW02I_20241022	10/22/2024	N	Collocated Porewater	Porewater
	E-A-SD01I_00-0.2_20241022	10/22/2024	N	Unassociated Sediment	Sediment
	E-A-PW01I_20241022	10/22/2024	N	Unassociated Porewater	Porewater
Zone J - Tissue	E-A-SW03I_20241022	10/22/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD03I_00-0.2_20241022	10/22/2024	N	Unassociated Sediment	Sediment
	E-A-BIOJ_INV01_20240815	8/15/2024	N	Leeches	Invertebrate Tissue
	E-A-BIOJ_FSH01_20240815	8/15/2024	N	Green Frogs	Vertebrate Tissue
	E-A-BIOJ_FSH01_20240815-FD	8/15/2024	FD	Green Frogs	Vertebrate Tissue
Zone J - Unassociated Abiotic	E-A-BIOJ_PLT01_20240816	8/16/2024	N	Rooted Macrophyte	Plant Tissue
	E-A-BIOJ_PLT01_20240816-FD	8/16/2024	FD	Rooted Macrophyte	Plant Tissue
	E-A-SD02J_00-0.2_20241022	10/22/2024	N	Unassociated Sediment	Sediment
	E-A-PW02J_20241022	10/22/2024	N	Unassociated Porewater	Porewater
	E-A-SW01J_20240911	9/11/2024	N	Collocated Sediment	Sediment
	E-A-SD01J_00-01_20240911	9/11/2024	N	Collocated Surface Water	Surface Water
Zone J - Historical Abiotic	E-A-PW01J_20240912	9/12/2024	N	Collocated Porewater	Porewater
	E-A-PW01J_20240912FD	9/12/2024	FD	Collocated Porewater	Porewater
	LORNG_HSSO01_07202022	7/20/2022	N	Historical Hydric Soil	Hydric Soil
Zone K - Tissue	LORNG_HSSG01_07202022	7/20/2022	N	Historical Shallow Groundwater	Shallow Groundwater
	LORNG_LT03_SW_07112022	7/11/2022	N	Historical Surface Water	Surface Water
	E-A-BIOK_FSH01_20240817	8/17/2024	N	Green Frogs	Vertebrate Tissue
	E-A-BIOK_PLT01_20240816	8/16/2024	N	Rooted Macrophyte	Plant Tissue
	E-A-BIOK_INV01_20240816	8/16/2024	N	Snails	Invertebrate Tissue
Zone K - Unassociated Abiotic	E-A-BIOK_PLT02_20240816	8/16/2024	N	Rooted Macrophyte	Plant Tissue
	E-A-BIOK_INV02_20240818	8/18/2024	N	Snails	Invertebrate Tissue
	E-A-SW01K_20240912	9/12/2024	N	Unassociated Surface Water	Surface Water
	E-A-SW01K_20240912FD	9/12/2024	FD	Unassociated Sediment	Sediment
Zone K - Unassociated Abiotic	E-A-SD01K_00-01_20240912	9/12/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD01K_00-01_20240912FD	9/12/2024	FD	Unassociated Sediment	Sediment

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Zone K - Historical Aboiotic	LORNG_SW12007_07122022	7/12/2022	N	Historical Surface Water	Surface Water
	LORNG_SD12007_07122022	7/12/2022	N	Historical Sediment	Sediment
	LORNG_SW12009_07122022	7/12/2022	N	Historical Surface Water	Surface Water
	LORNG_SD12009_07122022	7/12/2022	N	Historical Sediment	Sediment
	LORNG_SW12010_07122022	7/12/2022	N	Historical Surface Water	Surface Water
	LORNG_SD12010_07122022	7/12/2022	N	Historical Sediment	Sediment
	LORNG_SW12011_07112022	7/11/2022	N	Historical Surface Water	Surface Water
Zone L - Tissue & Associated Abiotic	LORNG_SD12011_07112022	7/11/2022	N	Historical Sediment Sample	Sediment
	E-A-BIOL_INV01_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOL_PLT01_20240815	8/15/254	N	Shrub leaves, Shoreline flowering plants and grasses	Plant Tissue
	E-A-SD02L_00-0.2_20241021	10/21/2024	N	Collocated Sediment	Sediment
	E-A-SW02L_20241021	10/21/2024	N	Collocated Surface Water	Surface Water
	E-A-PW02L_20241021	10/21/2024	N	Collocated Porewater	Porewater
	E-A-PW02L_20241021FD	10/21/2024	FD	Collocated Porewater	Porewater
Zone L - Unassociated Abiotic	E-A-SD01L_00-01_20240911	9/11/2024	N	Unassociated Sediment	Sediment
	E-A-SW03L_20241031	10/31/2024	FD	Unassociated Surface Water	Surface Water
	E-A-SD03L_00-01_20241031	10/31/2024	N	Unassociated Sediment	Sediment
	E-A-PW03L_20241031	10/31/2024	N	Unassociated Porewater	Porewater
Zone L - Historic	LORNG_SD11007_07112022	7/11/2022	N	Historical Sediment	Sediment
	LORNG_SW11007_07112022	7/11/2022	N	Historical Surface Water	Surface Water
	LORNG_SD11008_06212022	6/21/2022	N	Histroical Sediment	Sediment
	LORNG_SW11008_06212022	6/21/2022	N	Historical Surface Water	Surface Water
	LORNG_LT04_SW_07112022	7/11/2022	N	Historical Surface Water	Surface Water
	LORNG_LT04_SW_07112022FD	7/11/2022	N	Historical Surface Water	Surface Water
	LORNG_LT04_SD_07112022	7/11/2022	N	Histroical Sediment	Sediment
	LORNG_LT04_SD_07112022FD	7/11/2022	N	Histroical Sediment	Sediment
	LORNG_HSSO02_07212022	7/21/2022	N	Historical Hydric Soil	Hydric Soil
	LORNG_HSSG02_07212022	7/21/2022	N	Historical Shallow Groundwater	Shallow Groundwater
	LORNG_SW11009_06212022	6/21/2022	N	Historical Surface Water	Surface Water
	LORNG_SD11009_06212022	6/21/2022	N	Histrorical Sediment	Sediment
Zone M - Tissue & Associated Abiotic	E-A-BIOM_FSH01_20240814	8/14/2024	N	Green Frog	Vertebrate Tissue
	E-A-BIOM_PLT01_20240816	8/16/2024	N	Rooted Macrophyte	Plant Tissue
	E-A-SD01M_00-01_20240910	9/10/2024	N	Collocated Sediment	Sediment
	E-A-SD01M_00-01_20240910FD	9/10/2024	FD	Collocated Sediment	Sediment
	E-A-SW01M_20240910	9/10/2024	N	Collocated Surface Water	Surface Water
	E-A-SW01M_20240910FD	9/10/2024	FD	Collocated Surface Water	Surface Water
Zone M - Unassociated Abiotic	E-A-SD02M_00-01_20240911	9/11/2024	N	Unassociated Sediment	Sediment
Zone M - Historic	LORNG_SD11006_07122022	7/12/2022	N	Historical Sediment	Sediment
	LORNG_SW11006_07122022	7/12/2022	N	Historical Surface Water	Surface Water
	LORNG_SD11005_07122022	7/12/2022	N	Historical Sediment	Sediment
	LORNG_SW11005_07122022	7/12/2022	N	Historical Surface Water	Surface Water
	LORNG_SW11004_06212022	6/21/2022	N	Historical Surface Water	Surface Water
	LORNG_SD11004_06212022	6/21/2022	N	Historical Sediment	Sediment
Zone N - Tissue & Associated Abiotic	E-A-BION_INV01_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-BION_FSH01_20240815	8/15/2024	N	Dace and Creek Chub	Vertebrate Tissue
	E-A-BION_PLT01_20240815	8/15/2024	N	Rooted Grasses and Plants, Shoreline Seeds and Berries, Shoreline Vegetation Stems and Leaves	Plant Tissue
	E-A-BION_INV02_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-PW02N_20241024	10/24/2024	N	Collocated Porewater	Porewater
	E-A-SD02N_00-0.2_20241024	10/24/2025	N	Collocated Sediment	Sediment
	E-A-SW02N_20241024	10/24/2024	N	Collocated Surface Water	Surface Water
Zone N - Unassociated Abiotic	E-A-SW01N_20241024	10/24/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD01N_00-0.2_20241024	10/24/2024	N	Unassociated Sediment	Sediment
	E-A-PW01N_20241024	10/24/2024	N	Unassociated Porewater	Porewater
Zone N - Historic	LORNG_WBGB_004_FT_BT_08032022	8/3/2022	N	Historical Fish Tissue	Fish Tissue
	LORNG_WBGB_004_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_WBGB_004_SW_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG_HSSO03_07222022	7/22/2022	N	Historical Hydric Soil	Hydric Soil
	LORNG_HSSG03_07222022	7/22/2022	N	Historical Shallow Groundwater	Shallow Groundwater
	LORNG_SD05001_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_SW05001_07102022	7/10/2022	N	Historical Surface Water	Surface Water

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Zone O - Tissue & Associated Abiotic (Shoreline)	E-A-BIOO_INV01_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOO_PLT01_20240813	8/13/2024	N	Pond Weed	Plant Tissue
	E-A-PW01O_20240813	8/13/2024	N	Collocated Porewater	Porewater
	E-A-SD01O_00-0.5_20240813	8/13/2024	N	Collocated Sediment	Sediment
	E-A-SW01O_20240813	8/13/2024	N	Collocated Surface Water	Surface Water
Zone O - Tissue & Associated Abiotic (Deep Water)	E-A-BIOO_FSH01_20240818	8/18/2024	N	Creek chub and Killifish	Vertebrate Tissue
	E-A-BIOO_INV02_20240818	8/18/2024	N	Crayfish	Invertebrate Tissue
	E-A-PW02O_20240818	8/18/2024	N	Collocated Porewater	Porewater
	E-A-SD02O_00-0.5_20240817	8/17/2024	N	Collocated Sediment	Sediment
	E-A-SW02O_20240817	8/17/2024	N	Collocated Surface Water	Surface Water
	E-A-BIOO_PLT02_20240818	8/18/2024	N	Pond Weed with Pink Flowers	Plant Tissue
Zone O - Historic	LORNG_WBGB_SED002_FP_07092022	7/9/2022	N	Historical Sediment	Sediment
Zone P - Tissue & Associated Abiotic	E-A-BIOP_PLT02_20240813	8/13/2024	N	Pond Weed, Light Pink Flowers	Plant Tissue
	E-A-BIOP_FSH01_20240813	8/13/2024	N	Fathead Minnow, Minnow, Dace, Creek Chub	Vertebrate Tissue
	E-A-BIOP_PLT01_20240813	8/13/2024	N	Cattail Grass	Plant Tissue
	E-A-BIOP_INV01_20240814	8/14/2024	N	Crayfish	Invertebrate Tissue
	E-A-PW01P_20240813	8/13/2024	N	Collocated Porewater	Porewater
	E-A-SW01P_20240813	8/13/2024	N	Collocated Surface Water	Surface Water
Zone P - Historic	E-A-SD01P_00-01_20240813	8/13/2024	N	Collocated Sediment	Sediment
	E-A-BIOP_INV02_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	LORNG_LT05A_SW_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG_LT05A_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG-LT05A-SW-10242021	10/24/2021	N	Historical Surface Water	Surface Water
	LORNG_LT05A_FT_BB_08062022	8/6/2022	N	Historical Fish Tissue	Fish Tissue
Zone Q - Tissue & Associated Abiotic	LORNG_LT05A_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_LT05A_SW_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	E-A-BIOQ_INV01_20240814	8/14/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOQ_PLT01_20240814	8/14/2024	N	Submerged Macrophyte	Plant Tissue
	E-A-BIOQ_FSH01_20240815	8/15/2024	N	Creek Chub and Dace	Vertebrate Tissue
	E-A-SD01Q_00-0.5_20240814	8/14/2024	N	Collocated Sediment	Sediment
Zone R - Tissue & Associated Abiotic	E-A-SW01Q_20240814	8/14/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01Q_20240814	8/14/2024	N	Collocated Porewater	Porewater
	E-A-BIOR_FSH01_20240814	8/14/2024	N	Creek Chub, Unidentified Minnows	Vertebrate Tissue
	E-A-BIOR_INV01_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOR_INV02_20240817	8/17/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOR_PLT01_20240814	8/14/2024	N	Reedgrass	Plant Tissue
Zone S - Tissue & Associated Abiotic	E-A-BIOR_PLT02_20240814	8/14/2024	N	Cattail Grass	Plant Tissue
	E-A-SD01R_00-0.5_20240814	8/14/2024	N	Collocated Sediment	Sediment
	E-A-SW01R_20240814	8/14/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01R_20240814	8/14/2024	N	Collocated Porewater	Porewater
	E-A-BIOS_PLT01_20240817	8/17/2024	N	Rooted Macrophyte	Plant Tissue
	E-A-BIOS_FSH01_20240817	8/17/2024	N	Green Frogs	Vertebrate Tissue
Zone S - Historical	E-A-BIOS_INV01_20240817	8/17/2024	N	Dragonfly Larvae, Waterbugs, Snails, Misc. Invertebrates	Invertebrate Tissue
	E-A-SD01S_00-0.2_20241023	10/23/2024	N	Collocated Sediment	Sediment
	E-A-SW01S_20241023	10/23/2024	N	Collocated Surface Water	Surface Water
	E-A-PW01S_20241023	10/23/2024	N	Collocated Porewater	Porewater
	LORNG_AA19SW03_07072022	7/7/2022	N	Historical Surface Water	Surface Water
	LORNG_HSSO05_07212022	7/21/2022	N	Historical Hydric Soil	Hydric Soil
Zone T - Tissue & Associated Abiotic	LORNG_HSSO05_07212022FD	7/21/2022	FD	Historical Hydric Soil	Hydric Soil
	LORNG_HSSG05_07212022	7/21/2022	FD	Historical Shallow Groundwater	Shallow Groundwater
	LORNG_HSSG05_07212022FD	7/21/2022	FD	Historical Shallow Groundwater	Shallow Groundwater
	LORNG_EBGB_005_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_EBGB_005_SW_07102022	7/10/2022	N	Historical Sediment	Sediment
	E-A-BIOT_FSH01_20240813	8/13/2024	N	Creek Chub, Dace	Vertebrate Tissue
Zone T - Tissue & Associated Abiotic	E-A-BIOT_PLT01_20240814	8/14/2024	N	Woolgrass and Cattail Leaves	Plant Tissue
	E-A-BIOT_INV01_20240816	8/16/2024	N	Waterbugs, Dragonfly Larvae, Stickbugs, Snails	Invertebrate Tissue
	E-A-SD01T_00-01_20240910	9/10/2024	N	Collocated Sediment	Sediment
	E-A-SD01T_00-01_20240910FD	9/10/2024	FD	Collocated Sediment	Sediment
	E-A-SW01T_20240910	9/10/2024	N	Collocated Surface Water	Surface Water
	E-A-SW01T_20240910FD	9/10/2024	FD	Collocated Surface Water	Surface Water
	E-A-PW01T_20240910	9/10/2024	N	Collocated Porewater	Porewater

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Zone T - Historical	LORNG_SD16005_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_SW16005_07102022	7/10/2022	N	Collocated Surface Water	Surface Water
	LORNG_SW16005_07102022FD	7/10/2022	FD	Collocated Surface Water	Surface Water
	LORNG_SD16005_07102022FD	7/10/2022	FD	Historical Sediment	Sediment
Zone U - Tissue & Associated Abiotic	E-A-BIOU_FSH01_20240814	8/14/2024	N	Creek Chub	Vertebrate Tissue
	E-A-BIOU_INV01_20240814	8/14/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOU_PLT01_20240814	8/14/2024	N	Shoreline Grasses, and Flowering Plants	Plant Tissue
	E-A-SD02U_00-0.2_20241023	10/23/2024	N	Collocated Sediment	Sediment
	E-A-SW02U_20241023	10/23/2024	N	Collocated Surface Water	Surface Water
	E-A-PW02U_20241023	10/23/2024	N	Collocated Porewater	Porewater
Zone U - Unassociated Abiotic	E-A-SW01U_20241003	10/3/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD01U_00-0.5_20241003	10/3/2024	N	Unassociated Sediment	Sediment
	E-A-PW01U_20241003	10/3/2024	N	Unassociated Porewater	Porewater
	E-A-PW01U_20241003FD	10/3/2024	FD	Unassociated Porewater	Porewater
Zone U - Historical	LORNG_EBGB_001_SD_07092022	7/9/2022	N	Historical Sediment	Sediment
	LORNG_EBGB_001_SW_07092022	7/9/2022	N	Historical Surface Water	Surface Water
Zone V - Tissue & Associated Abiotic	E-A-BIOV_INV01_20240814	8/14/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOV_PLT01_20240815	8/15/2024	N	Submerged Grasses and Vegetation, Shoreline Flowering Plants	Plant Tissue
	E-A-BIOV_FSH01_20240815	8/15/2024	N	Green Frog	Vertebrate Tissue
	E-A-SW02V_20241002	10/2/2024	N	Collocated Surface Water	Surface Water
	E-A-SW02V_20241002FD	10/2/2024	FD	Collocated Surface Water	Surface Water
	E-A-SD02V_00-01_20240919	9/19/2024	N	Collocated Sediment	Sediment
	E-A-PW02V_20240919	9/19/2024	N	Collocated Porewater	Porewater
Zone V - Unassociated Abiotic	E-A-SW01V_20241002	10/2/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD01V_00-01_20240919	9/19/2024	N	Unassociated Sediment	Sediment
	E-A-PW01V_20240919	9/19/2024	N	Unassociated Porewater	Porewater
	E-A-SW03V_20241002	10/2/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD03V_00-01_20240919	9/19/2024	N	Unassociated Sediment	Sediment
	E-A-PW03V_20240919	9/19/2024	N	Unassociated Porewater	Porewater
Zone W - Tissue & Associated Abiotic	E-A-BIOW_FSH01_20240814	8/14/2024	N	Brook Trout, Dace, Threespined Stickleback, Creek Chub	Vertebrate Tissue
	E-A-BIOW_PLT01_20240814	8/14/2024	N	Submerged Vegetation and Emergent Grasses	Plant Tissue
	E-A-BIOW_INV01_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOW_INV02_20240815	8/15/2024	N	Crayfish	Invertebrate Tissue
	E-A-SD01W_00-0.5_20241003	10/3/2024	N	Collocated Sediment	Sediment
	E-A-SD01W_00-0.5_20241003FD	10/3/2024	FD	Collocated Sediment	Sediment
	E-A-SW01W_20241003	10/3/2024	N	Collocated Surface Water	Surface Water
	E-A-SW01W_20241003FD	10/3/2024	FD	Collocated Surface Water	Surface Water
	E-A-PW01W_20241003	10/3/2024	N	Collocated Porewater	Porewater
	E-A-PW01W_20241003FD	10/3/2024	FD	Collocated Porewater	Porewater
Zone W - Historical	LORNG_SW21001_07112022	7/11/2022	N	Historical Surface Water	Surface Water
	LORNG_SD21001_07112022	7/11/2022	N	Historical Sediment	Sediment
	LORNG_SD21002_07112022	7/11/2022	N	Historical Sediment	Sediment
	LORNG_SD21003_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_SW21003_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG_LT1002_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_LT1002_SW_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG_LT1002_SW_07102022FD	7/10/2022	FD	Historical Surface Water	Surface Water
	LORNG_LT1002_SD_07102022FD	7/10/2022	FD	Historical Sediment	Sediment
	LORNG_SW21004_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG_EBGB_SED001_FP_07062022	7/6/2022	N	Historical Sediment	Sediment
Zone X - Tissue & Associated Abiotic	E-A-BIOX_INV01_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOX_INV02_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOX_FSH01_20240813	8/13/2024	N	Creek Chub, Dace, Threespined Stickleback	Vertebrate Tissue
	E-A-BIOX_PLT01_20240813	8/13/2024	N	Cattail Leaves	Plant Tissue
	E-A-BIOX_FSH02_20240813	8/13/2024	N	Dace	Vertebrate Tissue
	E-A-SD01X_00-01_20240912	9/12/2024	N	Collocated Sediment	Sediment
	E-A-SD01X_00-01_20240912FD	9/12/2024	FD	Collocated Sediment	Sediment
	E-A-SW01X_20240912	9/12/2024	N	Collocated Surface Water	Surface Water
	E-A-SW01X_20240912FD	9/12/2024	FD	Collocated Surface Water	Surface Water
	E-A-PW01X_20240913	9/13/2024	N	Collocated Porewater	Porewater
	E-A-PW01X_20240913FD	9/13/2024	FD	Collocated Porewater	Porewater

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Zone X - Historical	LORNG_EBGB_SED002_FP_07062022	7/6/2022	N	Historical Sediment	Sediment
	LORNG_EBGB_003_SD_07092022	7/9/2022	N	Historical Sediment	Sediment
	LORNG_EBGB_SED003_07062022	7/9/2022	N	Historical Sediment	Sediment
	LORNG_LT1005_FT_BT_08022022	8/2/2022	N	Historical Fish Tissue	Fish Tissue
	LORNG_LT-10-05_SD_07092022	7/9/2022	N	Historical Sediment	Sediment
	LORNG_LT-10-05_SW_07092022	7/9/2022	N	Historical Surface Water	Surface Water
Zone Y - Tissue & Associated Abiotic	E-A-BIOY_PLT01_20240813	8/13/2024	N	Shoreline Grasses and Rooted Macrophyte	Plant Tissue
	E-A-BIOY_INV01_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOY_FSH01_20240813	8/13/2024	N	Creek Chub	Vertebrate Tissue
	E-A-SD01Y_00-01_20240820	8/20/2024	N	Collocated Sediment	Sediment
	E-A-SW01Y_20240820	8/20/2025	N	Collocated Surface Water	Surface Water
	E-A-PW01Y_20240820	8/20/2024	N	Collocated Porewater	Porewater
Zone Y - Historical	LORNG_LT1001_FT_BT_08022022	8/2/2022	N	Historical Fish Tissue	Fish Tissue
	LORNG_EBGB_SED004_FP_07062022	7/6/2022	N	Historical Sediment	Sediment
	LORNG_LT1001_SD_07102022	7/10/2022	N	Historical Sediment	Sediment
	LORNG_LT1001_SW_07102022	7/10/2022	N	Historical Surface Water	Surface Water
	LORNG-LT1001-SW-10242021	10/24/2021	N	Historical Surface Water	Surface Water
Zone Z - Tissue & Associated Abiotic	E-A-BIOZ_INV01_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOZ_INV02_20240813	8/13/2024	N	Crayfish	Invertebrate Tissue
	E-A-BIOZ_PLT01_20240813	8/13/2024	N	Cattails, Submerged Rooted Macrophyte	Plant Tissue
	E-A-BIOZ_FSH01_20240813	8/13/2024	N	Creek Chub and Dace	Vertebrate Tissue
	E-A-SD03Z_00-0.5_20240919	9/19/2024	N	Collocated Sediment	Sediment
	E-A-SW03Z_20240919	9/19/2024	N	Collocated Surface Water	Surface Water
	E-A-PW03Z_20241023	10/23/2024	N	Collocated Porewater	Porewater
Zone Z - Unassociated Abiotic	E-A-SW01Z_20240919	9/19/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD01Z_00-0.5_20240919	9/19/2024	N	Unassociated Sediment	Sediment
	E-A-PW01Z_20241023	10/23/2024	N	Unassociated Porewater	Porewater
	E-A-SW02Z_20240919	9/19/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD02Z_00-0.5_20240919	9/19/2024	N	Unassociated Sediment	Sediment
	E-A-PW02Z_20241023	10/23/2024	N	Unassociated Porewater	Porewater
	E-A-SW04Z_20241023	10/23/2024	N	Unassociated Surface Water	Surface Water
	E-A-SD04Z_00-0.2_20241023	10/23/2024	N	Unassociated Sediment	Sediment
	E-A-PW04Z_20241023	10/23/2024	N	Unassociated Porewater	Porewater
Zone Z - Historical	LORNG_LT1006_FT_BT_08022022	8/2/2022	N	Historical Fish Tissue	Fish Tissue
	LORNG_LT1006_SD_07082022	7/8/2022	N	Historical Sediment	Sediment
	LORNG_LT1006_SW_07082022	7/8/2022	N	Historical Surface Water	Surface Water
	LORNG_SD22001_07082022	7/8/2022	N	Historical Sediment	Sediment
	LORNG_SD22001_07082022FD	7/8/2022	FD	Historical Sediment	Sediment
	LORNG_SW22001_07082022	7/8/2022	N	Historical Surface Water	Surface Water
	LORNG_SW22001_07082022FD	7/8/2022	FD	Historical Surface Water	Surface Water
	LORNG_LT1006A_FT_BT_08032022	8/3/2022	N	Historical Fish Tissue	Fish Tissue
	LORNG_LT1006A_SD_07072022	7/7/2022	N	Historical Sediment	Sediment
	LORNG_LT1006A_SW_07072022	7/7/2022	N	Historical Surface Water	Surface Water
	LORNG_GB_SED002_FP_07092022	7/9/2022	N	Historical Sediment	Sediment
	LORNG_SD22003_07082022	7/8/2022	N	Historical Sediment	Sediment
	LORNG_SW22003_07082022	7/8/2022	N	Historical Surface Water	Surface Water
	LORNG_SD22002_07082022	7/8/2022	N	Historical Sediment	Sediment
	LORNG_SW22002_07082022	7/8/2022	N	Historical Surface Water	Surface Water
	LORNG-LT1006A-SW-10242021	10/24/2021	N	Historical Surface Water	Surface Water
	LORNG_GB_SED001_FP_07092022	7/9/2022	N	Historical Sediment	Sediment

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Terrestrial Sampling					
Zone A - Tissue & Associated Abiotic	E-T-BIOA_PLT01_20240910	9/10/2024	N	Goldenrod, red clover, white aster	Plant tissue
	E-T-BIOA_INV01_20240910	9/10/2024	N	Earthworms	Invertebrate tissue
	E-T-SO01A_00-02_20240912	9/12/2024	N	High percent rocks, dry, no clay, silt/sand, light brown	Soil
Zone A - Unassociated Abiotic	E-T-SO02A_00-02_20240912	9/12/2024	N	High percent rocks, dry, no clay, silt/sand, light brown	Soil
Zone A - Historical	LORNG_SB20011_0-1_08162022	8/16/2022	N	Historical Soil	Soil
	LORNG_SB20010_0-1_08162022	8/16/2022	N	Historical Soil	Soil
	LORNG_SB20012_0-1_08162022	8/16/2022	N	Historical Soil	Soil
	LORNG_SB20006_0-1_06182022	6/18/2022	N	Historical Soil	Soil
	LORNG_SB20006_0-1_06182022FD	6/18/2022	FD	Historical Soil	Soil
Zone B - Tissue & Associated Abiotic	E-T-BIOB_PLT01_20240819	8/19/2024	N	Grasses and flowering plants	Plant tissue
	E-T-BIOB_INV01_20240910	9/10/2024	N	Earthworms	Invertebrate tissue
	E-T-SO01B_00-02_20240912	9/12/2024	N	Glacial till, dry, brown silt/sand, no clay	Soil
Zone B - Historical	LORNG_SB24001_0-1_06182022	6/18/2022	N	Historical Soil	Soil
	LORNG_SB24002_0-1_06182022	6/18/2022	N	Historical Soil	Soil
	LORNG_SB24003_0-1_08082022	8/8/2022	N	Historical Soil	Soil
	LORNG_SB24004_0-1_06182022	6/18/2022	N	Historical Soil	Soil
	LORNG_SB24005_0-1_06182022	6/18/2022	N	Historical Soil	Soil
	LORNG_SB24006_0-1_06182022	6/18/2022	N	Historical Soil	Soil
Zone C - Tissue	E-T-BIOC_PLT01_20240815	8/15/2024	N	Goldenrod, red clover, grasses, willow pinecones	Plant tissue
	E-T-BIOC_PLT02_20240815	8/15/2024	N	Goldenrod, red clover, wild carrot	Plant tissue
	E-T-BIOC_INV01_20240815	8/15/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOC_INV02_20240815	8/15/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOC_RNT01_20240911	9/11/2024	N	Vole	Rodent tissue
	E-T-BIOC_RNT02_20240913	9/13/2024	N	Vole	Rodent tissue
Zone C - Historical	LORNG_SB01018_0-1_09142022	9/14/2022	N	Historical Soil	Soil
	LORNG_SB01018_1-2_09142022	9/14/2022	N	Historical Soil	Soil
	LORNG_SB01005_0-1_06072022	6/7/2022	N	Historical Soil	Soil
	LORNG_SB01029_0-1_09142022	9/14/2022	N	Historical Soil	Soil
	LORNG_SB01029_1-2_09142022	9/14/2022	N	Historical Soil	Soil
	LORNG_SB01028_0-1_09142022	9/14/2022	N	Historical Soil	Soil
	LORNG_SB01013_0-1_06072022	6/7/2022	N	Historical Soil	Soil
	LORNG_SB01006_0-1_08042022	8/4/2022	N	Historical Soil	Soil
	LORNG_SB01006_0-1_08042022_E	8/4/2022	N	Historical Soil	Soil
Zone D - Tissue	LORNG_SB01006_0-1_08042022_K	8/4/2022	N	Historical Soil	Soil
	E-T-BIOD_PLT01_20240815	8/15/2024	N	Goldenrod, red clover, common bracken, flat top white aster	Plant tissue
	E-T-BIOD_PLT02_20240815	8/15/2024	N	Goldenrod, daisy, red clover, flat top aster	Plant tissue
	E-T-BIOD_INV01_20240815	8/15/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOD_INV02_20240815	8/15/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOD_RNT01_20240816	8/16/2024	N	Rodent	Rodent tissue
Zone D - Historical	LORNG_SB01015_0-1_08082022	8/8/2022	N	Historical Soil	Soil
	LORNG_SB01015_0-1_08082022FD	8/8/2022	FD	Historical Soil	Soil
	LORNG_SB01019_0-1_08162022	8/16/2022	N	Historical Soil	Soil
	LORNG_SB01019_0-1_08162022FD	8/16/2022	FD	Historical Soil	Soil
	LORNG_SB01020_0-1_08162022	8/16/2022	N	Historical Soil	Soil
Zone E - Tissue & Associated Abiotic	E-T-BIOE_PLT01_20240819	8/19/2024	N	Fern, berries, tree leaves, pine needles	Plant tissue
	E-T-BIOE_INV01_20240818	8/19/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOE_INV02_20240819	8/19/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOE_RNT01_20240911	9/11/2024	N	Mouse	Rodent tissue
	E-T-SO01E_00-02_20240912	9/12/2024	N	Dry, organic material, rocks, sand, silt, brown	Soil
Zone E - Historical	LORNG_SB12024_00-02_10192023	10/19/2023	N	Historical Soil	Soil
	LORNG_SB12023_00-02_10192023	10/19/2023	N	Historical Soil	Soil
	LORNG_SB12022_00-02_10192023	10/19/2023	N	Historical Soil	Soil
Zone F - Tissue & Associated Abiotic	E-T-BIOF_PLT01_20240910	9/10/2024	N	Goldenrod, red osier, dogwood	Plant tissue
	E-T-BIOF_INV01_20240910	9/10/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOF_RNT01_20240912	9/12/2024	N	Mouse	Rodent tissue
	E-T-SO01F_00-02_20240912	9/12/2024	N	Till	Soil
Zone F - Historical	LORNG_SS18004_0-1_06192022	6/19/2022	N	Historical Soil	Soil
	LORNG_SS18006_0-1_06192022	6/19/2022	N	Historical Soil	Soil
	LORNG_SB18017_0-1_06142022	6/14/2022	N	Historical Soil	Soil
Zone G - Tissue	E-T-BIOG_PLT01_20240817	8/17/2024	N	Goldenrod, red clover, aster, ground carpet	Plant tissue
	E-T-BIOG_PLT02_20240817	8/17/2024	N	Goldenrod, red clover, ground carpet, timothy grass	Plant tissue
	E-T-BIOG_INV01_20240817	8/17/2024	N	Earthworms	Invertebrate tissue

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Zone G - Historical	LORNG SB07025 0-1 08202022	8/20/2022	N	Historical Soil	Soil
	LORNG SB07007 0-1 05202022	5/20/2022	N	Historical Soil	Soil
	LORNG SB07015 0-1 08042022	8/4/2022	N	Historical Soil	Soil
	LORNG SB07005 0-1 05202022	5/20/2022	N	Historical Soil	Soil
	LORNG SB07004 0-1 05202022	5/20/2022	N	Historical Soil	Soil
Zone H - Tissue & Associated Abiotic (Set 1)	E-T-BIOH_PLT02_20240817	8/17/2024	N	Goldenrod, red clover, white aster, timothy grass, ground carpet	Plant tissue
	E-T-BIOH_INV02_20240817	8/17/2024	N	Earthworms	Invertebrate tissue
	E-T-SO02H_00-02_20240912	9/12/2024	N	Till, sand/silt, grey-brown rocks	Soil
Zone H - Tissue & Associated Abiotic (Set 2)	E-T-SO01H_00-02_20240912	9/12/2024	N	Till, sand/silt, grey-brown rocks	Soil
	E-T-BIOH_PLT01_20240817	8/17/2024	N	Goldenrod, red clover, yellow aster, timothy grass	Plant tissue
	E-T-BIOH_INV01_20240817	8/17/2024	N	Earthworms	Invertebrate tissue
Zone H - Historical	LORNG SB07024 0-1 08202022	8/20/2022	N	Historical Soil	Soil
	LORNG SB07024 0-1 08202022FD	8/20/2022	FD	Historical Soil	Soil
	LORNG SB07006 0-1 05202022	5/20/2022	N	Historical Soil	Soil
	LORNG SB07023 0-1 08202022	8/20/2022	N	Historical Soil	Soil
	LORNG SB07022 0-1 08202022	8/20/2022	N	Historical Soil	Soil
Zone I - Tissue & Associated Abiotic	E-T-BIOI_PLT01_20240910	9/10/2024	N	Goldenrod	Plant tissue
	E-T-BIOI_INV01_20240816	8/16/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOI_INV02_20240816	8/16/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOI_RNT01_20240814	8/14/2024	N	Mouse	Rodent tissue
	E-T-BIOI_RNT02_20240912	9/12/2024	N	Mouse	Rodent tissue
	E-T-SO01_00-02_20240912	9/12/2024	N	Glacial till, lots of rocks, sand/loam, brown	Soil
Zone J - Tissue & Associated Abiotic	E-T-BIOJ_PLT01_20240910	9/10/2024	N	Goldenrod, dandelion, wild carrot, wild parsley	Plant tissue
	E-T-BIOJ_INV01_20240816	8/16/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOJ_INV02_20240816	8/16/2024	N	Earthworms	Invertebrate tissue
	E-T-BIOJ_RNT01_20240815	8/15/2024	N	Rodent	Rodent tissue
	E-T-SO01J_00-02_20240912	9/12/2024	N	Loose dry soil, dark brown, some roots, clay/loam/silt	Soil
Zone J - Historical Abiotic	LORNG SS05006 0-1 06202022	6/20/2022	N	Historical Soil	Soil
	LORNG SB05036 00-01 10202023	10/20/2023	N	Historical Soil	Soil
	LORNG SB05026 0-1 09132022	9/13/2022	N	Historical Soil	Soil
	LORNG SB05027 0-1 09132022	9/13/2022	N	Historical Soil	Soil
	LORNG SB05027 1-2 09132022	9/13/2022	N	Historical Soil	Soil
	LORNG SB05025 0-1 08172022	8/17/2022	N	Historical Soil	Soil
	LORNG SB05008 0-1 06032022	6/3/2022	N	Historical Soil	Soil
	LORNG SB05007 0-1 06032022	6/3/2022	N	Historical Soil	Soil
	LORNG SB05006 0-1 06042022	6/4/2022	N	Historical Soil	Soil
	LORNG SB05006 0-1 06042022FD	6/4/2022	FD	Historical Soil	Soil
	LORNG SB05009 0-1 06032022	6/3/2022	N	Historical Soil	Soil
	LORNG SB05010 0-1 06032022	6/3/2022	N	Historical Soil	Soil
	LORNG SB05011 0-1 06032022	6/3/2022	N	Historical Soil	Soil
	LORNG SB05020 0-1 06042022	6/4/2022	N	Historical Soil	Soil
	LORNG SB05024 0-1 08172022	8/17/2022	N	Historical Soil	Soil
	LORNG SB05018 0-1 08042022	8/4/2022	N	Historical Soil	Soil
	LORNG SB05018 0-1 08042022FD	8/4/2022	FD	Historical Soil	Soil
Zone K -Tissue & Associated Abiotic	E-T-BIOK_PLT01_20240814	8/14/2024	N	Goldenrod, red clover, cattail, wild carrot, grass, st. john's wort	Plant tissue
	E-T-BIOK_INV01_20240814	8/14/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOK_RNT01_20240814	8/14/2024	N	Field mouse	Rodent tissue
	E-T-SO01K_00-02_20240814	8/14/2024	N	0-1 feet light brown silty sand with clay, gravel 1-2 feet light grey silty sand, trace gravel	Soil
Zone K - Unassociated Abiotic	E-T-SO02K_00-02_20240911	9/11/2024	N	Dark brown organic rich soil, lots of tree roots, no odor	Soil
	E-T-SO03K_00-02_20240911	9/11/2024	N	Dark brown organic rich soil, lots of tree roots, little to no clay, no odor	Soil
Zone K -Historical Abiotic	LORNG HSSO04 07212022	7/21/2022	N	Historical Hydric Soil	Hydric Soil
	LORNG FHSSO03 09192022	9/19/2022	N	Historical Foraging Hydric Soil	Hydric Soil
Zone L - Tissue & Associated Abiotic	E-T-BIOL_PLT01_20240814	8/14/2024	N	Goldenrod, red clover, balsam poplar, wild carrot	Plant tissue
	E-T-BIOL_INV01_20240819	8/19/2024	N	Snails, slugs, earthworms	Invertebrate tissue
	E-T-BIOL_RNT01_20240814	8/14/2024	N	Mouse	Rodent tissue
	E-T-SO01L_00-02_20240912	9/12/2024	N	Grey-brown clay till, lots of rock (about 1 foot transitions from brown to grey)	Soil

Table 4-17
Ecological Risk Assessment Sampling Summary

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Location	Sample ID	Sample Date	Sample Code	Description	Sample Type
Zone L - Historical Abiotic	LORNG SB16005 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	LORNG SB16015 0-1 08032022	8/3/2022	N	Historical Soil	Soil
	LORNG SB16013 0-1 06162022	6/16/2022	N	Historical Soil	Soil
	LORNG SB16018 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB16012 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	LORNG SB16012 0-1 06172022FD	6/17/2022	FD	Historical Soil	Soil
	LORNG SB16011 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	LORNG SB16017 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB16006 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	LORNG SB16016 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB16007 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	LORNG SB16008 0-1 06172022	6/17/2022	N	Historical Soil	Soil
Zone M - Tissue & Associated Abiotic	LORNG SB16010 0-1 06172022	6/17/2022	N	Historical Soil	Soil
	E-T-BIOM_PLT01_20240815	8/15/2024	N	Raspberry leaves/berries, red clover, honeysuckle	Plant tissue
	E-T-BIOM_INV01_20240816	8/16/2024	N	Earthworms	Invertebrate tissue
Zone M - Unassociated Abiotic	E-T-SO02M_00-02_20240912	9/12/2024	N	Black organic rich wet soil with some grey clay like soil at ~1.5', strong odor	Soil
	E-T-SO01M_00-02_20240912	9/12/2024	N	Brown silt/sand, no clay, wet, lots of rocks	Soil
Zone M - Historical	LORNG FHSSO01_09192022	9/19/2022	N	Historical Foraging Hydric Soil	Hydric Soil
	LORNG FHSSO02_09192022	9/19/2022	N	Historical Foraging Hydric Soil	Hydric Soil
Zone N - Tissue & Associated Abiotic	E-T-BION_PLT01_20240814	8/14/2024	N	Goldenrod, red clover, fine leaved vetch, wild carrot, flat top aster	Plant tissue
	E-T-BION_INV01_20240814	8/14/2024	N	Earthworms	Invertebrate tissue
	E-T-BION_RNT01_20240813	8/13/2024	N	Mouse	Rodent tissue
	E-T-SO01N_00-02_20240814	8/14/2024	N	Light brown silty sand, some gravel, dry, no odor	Soil
	E-A-SO01N_00-02_20240814FD	8/14/2024	FD	Light brown silty sand, some gravel, dry, no odor	Soil
Zone N - Unassociated Abiotic	E-T-SO02N_00-02_20240919	9/19/2024	N	Till, dry, hard, dense, no odor.	Soil
Zone N - Historical	LORNG SB06017 0-1 09132022	9/13/2022	N	Historical Soil	Soil
	LORNG SB06022 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB06022 00-01 10162023FD	10/16/2023	FD	Historical Soil	Soil
	LORNG SB06010 0-1 05312022	5/31/2022	N	Historical Soil	Soil
Zone O - Tissue & Associate Abiotic	E-T-BIOO_PLT01_20240814	8/14/2024	N	Canadian bunchberries/leaves, pinewood bracken fern, blue bead lily	Plant tissue
	E-T-BIOO_INV01_20240814	8/14/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-SO02O_00-02_20240813	8/13/2024	N	Brown silty sand, trace clay, trace organics, trace gravel, damp	Soil
Zone O - Unassociated Abiotic	E-T-SO01O_00-02_20240813	8/13/2024	N	Dark brown silty sand, some clay, trace organics, trace gravel, dry, no odor	Soil
Zone O - Historical	LORNG SB06020 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB06019 00-01 10162023	10/16/2023	N	Historical Soil	Soil
	LORNG SB06018 00-01 10162023	10/16/2023	N	Historical Soil	Soil
Zone P - Tissue & Associated Abiotic	E-T-BIOP_PLT01_20240910	9/10/2024	N	Goldenrod, wild carrot, purple aster	Plant tissue
	E-T-BIOP_INV01_20240910	9/10/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOP_RNT01_20240911	9/11/2024	N	Mouse	Rodent tissue
	E-T-SO01P_00-02_20240920	9/20/2024	N	Tan- dark brown fine sand/silt till, dry, loose, some cobbles	Soil
	E-T-SO01P_00-02_20240920FD	9/20/2024	FD	Tan- dark brown fine sand/silt till, dry, loose, some cobbles	Soil
Zone P - Unassociated Abiotic	E-T-SO02P_00-02_20240920	9/20/2024	N	0-3 inches brown silt , wet, organic matter, 0.3-1.9 feet grey course silt, dense, damp, cobbles	Soil
	E-T-SO02P_00-02_20240920FD	9/20/2024	FD	0-3 inches brown silt , wet, organic matter, 0.3-1.9 feet grey course silt, dense, damp, cobbles	Soil
	E-T-SO03P_00-02_20241002	10/2/2024	N	Dry wetland, organic soils	Soil
Zone P - Historical	LORNG HSSO02_07212022	7/21/2022	N	Historical Hydric Soil	Hydric Soil

Table 4-17
Ecological Risk Assessment Sampling Summary

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Location	Sample ID	Sample Date	Sample Code	Description	Sample Type
Zone Q - Tissue & Associated Abiotic	E-T-BIOQ_PLT01_20240816	8/16/2024	N	Goldenrod, red clover, pearly everlasting, bebb's willow	Plant tissue
	E-T-BIOQ_INV01_20240816	8/16/2024	N	Slugs, earthworms	Invertebrate tissue
	E-T-BIOQ_RNT01_20240816	8/16/2024	N	Mouse	Rodent tissue
	E-T-SO01Q_00-02_20241002	10/2/2024	N	Light brown sandy soils with some rounded gravel, some organics	Soil
	E-T-SO01Q_00-02_20241002FD	10/2/2024	FD	Light brown sandy soils with some rounded gravel, some organics	Soil
Zone Q - Unassociated Abiotic	E-T-SO02Q_00-02_20241002	10/2/2024	N	0-0.5 feet dark brown sandy soils, organics, 0.5-2 feet light grey medium-fine sandy soils with subrounded gravel	Soil
	E-T-SO02Q_00-02_20241002FD	10/2/2024	FD	0-0.5 feet dark brown sandy soils, organics, 0.5-2 feet Light grey medium-fine sandy soils with subrounded gravel	Soil
Zone Q - Historical	LORNG_HSSO08_07222022	7/22/2022	N	Historical Hydric Soil	Hydric Soil

Notes:

- Border lines group tissue samples with the associated environmental samples collected to evaluate exposure pathways
- Historical - Refers to any sample collected prior to 2024 Sampling Program to Support the Baseline Ecological Risk Assessment
 - See **Table 1-1** for additional notes.