

Appendix E. Connecticut River Sediment Quality - Headwaters Region

Data from:

- 1) 2000 Upper Connecticut River Valley Sediment Study, US EPA Region 1. Study of 100 sites on mainstem and tributaries, Pittsburg NH to Hartland VT
- 2) 1998 Upper Connecticut River Sediment/Water Quality Analysis, US EPA, Region 1. Study of 10 locations on the mainstem from Stewartstown to Hinsdale NH.

Sampling location	TOWN	Site	Contaminants that exceeded screening level	Source	
Fourth Connecticut Lake	Pittsburg	SD201E	arsenic, cadmium, lead, mercury, above screening level value. Highest levels of calcium, selenium, and silver found anywhere in study. Also found in very low concentrations, but the highest found in the study , were acetone, butenone, the pesticides 4,4'DDD, alpha-BHC, and methoxychlor, one PCB congener, and 5 kinds of dioxins.	2000 EPA study	
Second Connecticut Lake	Pittsburg	SD200L	arsenic, nickel above screening level value.		
Lake Francis	Pittsburg	SD001L	arsenic, nickel above screening level value. Highest level of nickel in study.		
Lake Francis	Pittsburg	SD095L	arsenic, nickel above screening level value.		
Connecticut River below Pittsburg Village	Pittsburg	SD002L	more pollutants exceeded the screening level here than anywhere on the mainstem except Wilder VT. Napthalene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene, indeno (1,2,3-cd)pyrene, arsenic, nickel above screening level value. Also found in very low concentrations, but the highest found in the study , were acetophenone and acenaphthylene.		
Connecticut River below confluence of Indian Stream	Clarksville	SD003L	phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene, arsenic	1998 EPA study	
Connecticut River below Lake Francis	Stewartstown	UCTR01	nickel, chrysene		
Connecticut River below confluence of Bishop Brook	Canaan	SD004L	pyrene, nickel		2000 EPA study
Connecticut River below confluence of Hall Stream	Canaan	SD005E	phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene, indeno (1,2,3-cd)pyrene, arsenic. Also found in very low concentrations, but the highest found in the study , were the pesticides aldrin, endosulfan, mirex, and t-Permethren.		
Connecticut River below Canaan Dam	Canaan	SD008E	phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene arsenic, nickel		
Connecticut River near Coos Co. Farm	Stewartstown	SD009L	nickel		
Connecticut River above Colebrook	Colebrook	SD010L	nickel		

Sampling location	TOWN	Site	Contaminants that exceeded screening level	Source
Connecticut River above Colebrook Bridge	Colebrook	SD011L	phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(a)pyrene, indeno (1,2,3-cd)pyrene, nickel	2000 EPA study
Connecticut River at Columbia Bridge	Columbia	SD013L	phenanthrene, pyrene, benzo(a)anthracene, nickel	
Connecticut River at Lyman Brook	Columbia	SD014L	<i>no pollutants found above screening levels</i>	
Connecticut River below the Nulhegan River and Route 105 bridge	Bloomfield	SD016E	phenanthrene, pyrene, benzo(a)anthracene, benzo(a)pyrene Also found in very low concentrations, but the highest found in the study , was pesticide beta-BHC.	
Connecticut River below the Nulhegan River	Brunswick	UCTR02	nickel, chromium	1998 EPA study
Connecticut River at Paul Stream	Bloomfield	SD017L	phenanthrene, pyrene, benzo(a)anthracene, benzo(a)pyrene, nickel. Also found in very low concentrations, but the highest found in the study anywhere, was the pesticide heptachlor.	2000 EPA study
Connecticut River at Stratford-Maidstone Bridge	Stratford	SD019L	Bridge)phenanthrene, pyrene, benzo(a)anthracene, benzo(a)pyrene; Also found in very low concentrations, but the highest found in the study , were the semi-volatile organic compounds benzaldehyde and phenol .	
Connecticut River above Groveton	Northumberland	SD020L	<i>no pollutants found above screening levels</i>	
Connecticut River above Groveton	Northumberland	SD096L	nickel	
Connecticut River above breached Wyoming Dam	Guildhall	UCTR03	nickel; low concentrations of the breakdown products of the pesticide DDT	1998 EPA study
Connecticut River above breached Wyoming Dam	Northumberland	SD023L	<i>no pollutants found above screening levels.</i> Also found in very low concentrations, but the highest found in the study , was the pesticide endrin.	2000 EPA study
Connecticut River at Neal Brook, 1.7 miles below Wyoming Dam	Northumberland	SD023L	<i>no pollutants found above screening levels.</i>	