

## Appendix E. Connecticut River Sediment Quality - Riverbend Region

**Data from:**

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

Sampling location	TOWN	Site	Contaminants that exceeded screening level	Source
Above Wyoming Dam	Guildhall	UCTR03	Found in very low concentrations: breakdown products of pesticide DDT. Nickel exceeded the level at which some ecological effects could be expected.	1998 EPA study
Wyoming Dam	Guildhall	SD023L	<i>No pollutants found above screening levels.</i> Found in very low concentrations, but the highest found anywhere, was the pesticide endrin.	2000 EPA study
at Neal Brook, 1.7 m. below Wyoming Dam	Guildhall	SD023L	<i>No pollutants found above screening levels.</i>	
3.4 miles below Neal Brook	Guildhall	SD025L	<i>No pollutants found above screening levels.</i> Found in very low concentrations, but at the highest levels found anywhere, was 4-methylphenol	
Kwik Stop, Lancaster Bridge above Israel's River	Lancaster	SD026L	<i>no pollutants found above screening levels.</i>	
below Lunenburg WWTF	Lunenburg	SD029L	Pyrene, benzo(a)pyrene	
1.2 mile below Mt. Orne bridge	Lancaster	SD030E & 100E	4,4' DDE, phenanthrene, pyrene, benzo(a)pyrene, benzo(a)anthracene. Also found in very low concentrations, but at the highest levels found anywhere, was toluene.	
Confluence of John's River and Connecticut River	Dalton	SD031L	Phenanthrene, pyrene, benzo(a)pyrene, benzo(a)anthracene, fluoranthene, chrysene	
Gilman Dam	Lunenburg	SD033L	Phenanthrene, pyrene, benzo(a)pyrene, benzo(a)anthracene	
Moore Reservoir	Concord Littleton	SD034L	<i>No pollutants found above screening levels.</i>	
Moore Reservoir	Concord Littleton	SD036E	Pyrene, benzo(a)pyrene. Also found in very low concentrations, but at the highest levels found anywhere, was carbon disulfide, four different types of PCBs, and three different kinds of dioxins and furans.	
Moore Reservoir	Concord Littleton	SD038E	Pyrene, nickel. Also found in very low concentrations, but at the highest levels found anywhere, were 8 kinds of dioxins and furans	

Sampling location	TOWN	Site	Contaminants that exceeded screening level	Source
Comerford Reservoir	Littleton Waterford	SD040L	Arsenic, nickel. The highest level of cadmium was found here.	2000 EPA study
Comerford Reservoir	Littleton Waterford	S D041L	Arsenic, chromium, copper, lead, zinc, nickel, low level mercury. The highest levels of aluminum, barium, cobalt, iron, magnesium, potassium, sodium, and vanadium in the study were found here.	
Below Passumpsic River	Monroe	SD043L	<i>No pollutants found above screening levels.</i>	
Above the Stevens River	Monroe	SD045L	Benzo(a)anthracene. Also in very low concentrations, but at the highest levels found anywhere, was the pesticide endosulfan sulfate.	
Below the McIndoe Falls Dam	Monroe	SD046E	Phenanthrene, fluoranthene, pyrene, benzo(a)pyrene, chrysene, benzo(a)anthracene. Also in very low concentrations, but at the highest levels anywhere, was trichlorofluoromethane, the pesticide hexachlorobenzene, and five PCBs.	
Below the Dodge Falls Dam	Bath	SD047L	Phenanthrene, anthracene, fluoranthene, pyrene, benzo (a) pyrene, benzo(a)anthracene. Also in very low concentrations, but at the highest levels found anywhere, were pesticides 2,4'-DDD and 2,4'methoxychlor, and thallium.	
Above the Ammonoosuc River	Woodsville (Haverhill)	SD048L	Fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)pyrene, benzo(a)anthracene, chrysene, indeno (1,2,3-cd)pyrene, nickel. Also in very low concentrations, but at the highest levels anywhere in the study, was the pesticide c-Permethren.	
Below the Ammonoosuc River	Woodsville (Haverhill)	SD050L	Phenanthrene, pyrene, benzo(a)pyrene, benzo(a)anthracene	
Below the Ammonoosuc River	Woodsville (Haverhill)	UCTR04	Chrysene appeared at level at which some ecological effects could be expected.	1998 EPA study
Grafton County Farm	Woodsville (Haverhill)	SD053L	<i>No pollutants found above screening levels.</i>	2000 EPA study
Oxbow, 3.2 miles south of Grafton County Farm	Newbury	SD054E	Phenanthrene, fluoranthene, pyrene, benzo(a)pyrene, chrysene, benzo(a)anthracene. Also in very low concentrations, but at the highest levels anywhere, were the pesticide endrin ketone and two PCBs.	
Newbury	Newbury	SD055L	Phenanthrene, fluoranthene, pyrene, benzo(a)pyrene, chrysene, benzo(a)anthracene	
Above Oliverian Brook confluence	Newbury	SD056L	Phenanthrene, fluoranthene, pyrene, benzo(a)pyrene, chrysene, benzo(a)anthracene	
Bedell Bridge, below Oliverian Brook confluence	Haverhill	SD058L	Benzo(a)anthracene	