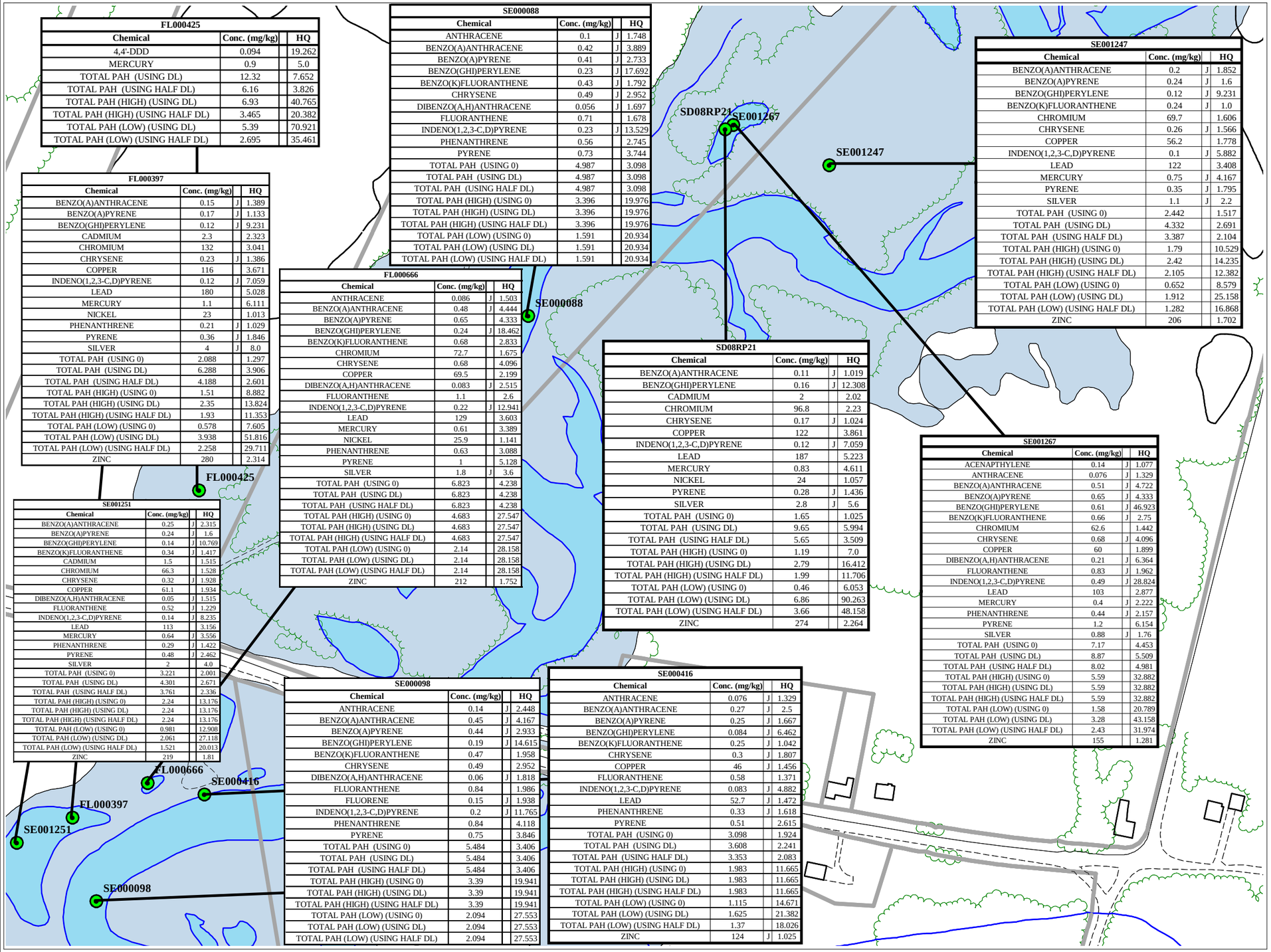


FL000425

Chemical	Conc. (mg/kg)		HQ
4,4'-DDD	0.094		19.262
MERCURY	0.9		5.0
TOTAL PAH (USING DL)	12.32		7.652
TOTAL PAH (USING HALF DL)	6.16		3.826
TOTAL PAH (HIGH) (USING DL)	6.93		40.765
TOTAL PAH (HIGH) (USING HALF DL)	3.465		20.382
TOTAL PAH (LOW) (USING DL)	5.39		70.921
TOTAL PAH (LOW) (USING HALF DL)	2.695		35.461

FL000397

Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.15	J	1.389
BENZO(A)PYRENE	0.17	J	1.133
BENZO(GHI)PERYLENE	0.12	J	9.231
CADMIUM	2.3		2.323
CHROMIUM	132		3.041
CHRYSENE	0.23	J	1.386
COPPER	116		3.671
INDENO(1,2,3-C,D)PYRENE	0.12	J	7.059
LEAD	180		5.028
MERCURY	1.1		6.111
NICKEL	23		1.013
PHENANTHRENE	0.21	J	1.029
PYRENE	0.36	J	1.846
SILVER	4	J	8.0
TOTAL PAH (USING 0)	2.088		1.297
TOTAL PAH (USING DL)	6.288		3.906
TOTAL PAH (USING HALF DL)	4.188		2.601
TOTAL PAH (HIGH) (USING 0)	1.51		8.882
TOTAL PAH (HIGH) (USING DL)	2.35		13.824
TOTAL PAH (HIGH) (USING HALF DL)	1.93		11.353
TOTAL PAH (LOW) (USING 0)	0.578		7.605
TOTAL PAH (LOW) (USING DL)	3.938		51.816
TOTAL PAH (LOW) (USING HALF DL)	2.258		29.711
ZINC	280		2.314

SE001251

Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.25	J	2.315
BENZO(A)PYRENE	0.24	J	1.6
BENZO(GHI)PERYLENE	0.14	J	10.769
BENZO(K)FLUORANTHENE	0.34	J	1.417
CADMIUM	1.5		1.515
CHROMIUM	66.3		1.528
CHRYSENE	0.32	J	1.928
COPPER	61.1		1.934
DIBENZO(A,H)ANTHRACENE	0.05	J	1.515
FLUORANTHENE	0.52	J	1.229
INDENO(1,2,3-C,D)PYRENE	0.14	J	8.235
LEAD	113		3.156
MERCURY	0.64	J	3.556
PHENANTHRENE	0.29	J	1.422
PYRENE	0.48	J	2.462
SILVER	2		4.0
TOTAL PAH (USING 0)	3.221		2.001
TOTAL PAH (USING DL)	4.301		2.671
TOTAL PAH (USING HALF DL)	3.761		2.336
TOTAL PAH (HIGH) (USING 0)	2.24		13.176
TOTAL PAH (HIGH) (USING DL)	2.24		13.176
TOTAL PAH (HIGH) (USING HALF DL)	2.24		13.176
TOTAL PAH (LOW) (USING 0)	0.981		12.908
TOTAL PAH (LOW) (USING DL)	2.061		27.118
TOTAL PAH (LOW) (USING HALF DL)	1.521		20.013
ZINC	219		1.81

SE000088

Chemical	Conc. (mg/kg)		HQ
ANTHRACENE	0.1	J	1.748
BENZO(A)ANTHRACENE	0.42	J	3.889
BENZO(A)PYRENE	0.41	J	2.733
BENZO(GHI)PERYLENE	0.23	J	17.692
BENZO(K)FLUORANTHENE	0.43	J	1.792
CHRYSENE	0.49	J	2.952
DIBENZO(A,H)ANTHRACENE	0.056	J	1.697
FLUORANTHENE	0.71		1.678
INDENO(1,2,3-C,D)PYRENE	0.23	J	13.529
PHENANTHRENE	0.56		2.745
PYRENE	0.73		3.744
TOTAL PAH (USING 0)	4.987		3.098
TOTAL PAH (USING DL)	4.987		3.098
TOTAL PAH (USING HALF DL)	4.987		3.098
TOTAL PAH (HIGH) (USING 0)	3.396		19.976
TOTAL PAH (HIGH) (USING DL)	3.396		19.976
TOTAL PAH (HIGH) (USING HALF DL)	3.396		19.976
TOTAL PAH (LOW) (USING 0)	1.591		20.934
TOTAL PAH (LOW) (USING DL)	1.591		20.934
TOTAL PAH (LOW) (USING HALF DL)	1.591		20.934

FL000666

Chemical	Conc. (mg/kg)		HQ
ANTHRACENE	0.086	J	1.503
BENZO(A)ANTHRACENE	0.48	J	4.444
BENZO(A)PYRENE	0.65		4.333
BENZO(GHI)PERYLENE	0.24	J	18.462
BENZO(K)FLUORANTHENE	0.68		2.833
CHROMIUM	72.7		1.675
CHRYSENE	0.68		4.096
COPPER	69.5		2.199
DIBENZO(A,H)ANTHRACENE	0.083	J	2.515
FLUORANTHENE	1.1		2.6
INDENO(1,2,3-C,D)PYRENE	0.22	J	12.941
LEAD	129		3.603
MERCURY	0.61		3.389
NICKEL	25.9		1.141
PHENANTHRENE	0.63		3.088
PYRENE	1		5.128
SILVER	1.8	J	3.6
TOTAL PAH (USING 0)	6.823		4.238
TOTAL PAH (USING DL)	6.823		4.238
TOTAL PAH (USING HALF DL)	6.823		4.238
TOTAL PAH (HIGH) (USING 0)	4.683		27.547
TOTAL PAH (HIGH) (USING DL)	4.683		27.547
TOTAL PAH (HIGH) (USING HALF DL)	4.683		27.547
TOTAL PAH (LOW) (USING 0)	2.14		28.158
TOTAL PAH (LOW) (USING DL)	2.14		28.158
TOTAL PAH (LOW) (USING HALF DL)	2.14		28.158
ZINC	212		1.752

SD08RP21

Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.11	J	1.019
BENZO(GHI)PERYLENE	0.16	J	12.308
CADMIUM	2		2.02
CHROMIUM	96.8		2.23
CHRYSENE	0.17	J	1.024
COPPER	122		3.861
INDENO(1,2,3-C,D)PYRENE	0.12	J	7.059
LEAD	187		5.223
MERCURY	0.83		4.611
NICKEL	24		1.057
PYRENE	0.28	J	1.436
SILVER	2.8	J	5.6
TOTAL PAH (USING 0)	1.65		1.025
TOTAL PAH (USING DL)	9.65		5.994
TOTAL PAH (USING HALF DL)	5.65		3.509
TOTAL PAH (HIGH) (USING 0)	1.19		7.0
TOTAL PAH (HIGH) (USING DL)	2.79		16.412
TOTAL PAH (HIGH) (USING HALF DL)	1.99		11.706
TOTAL PAH (LOW) (USING 0)	0.46		6.053
TOTAL PAH (LOW) (USING DL)	6.86		90.263
TOTAL PAH (LOW) (USING HALF DL)	3.66		48.158
ZINC	274		2.264

SE000098

Chemical	Conc. (mg/kg)		HQ
ANTHRACENE	0.14	J	2.448
BENZO(A)ANTHRACENE	0.45	J	4.167
BENZO(A)PYRENE	0.44	J	2.933
BENZO(GHI)PERYLENE	0.19	J	14.615
BENZO(K)FLUORANTHENE	0.47		1.958
CHRYSENE	0.49		2.952
DIBENZO(A,H)ANTHRACENE	0.06	J	1.818
FLUORANTHENE	0.84		1.986
FLUORENE	0.15	J	1.938
INDENO(1,2,3-C,D)PYRENE	0.2	J	11.765
PHENANTHRENE	0.84		4.118
PYRENE	0.75		3.846
TOTAL PAH (USING 0)	5.484		3.406
TOTAL PAH (USING DL)	5.484		3.406
TOTAL PAH (USING HALF DL)	5.484		3.406
TOTAL PAH (HIGH) (USING 0)	3.39		19.941
TOTAL PAH (HIGH) (USING DL)	3.39		19.941
TOTAL PAH (HIGH) (USING HALF DL)	3.39		19.941
TOTAL PAH (LOW) (USING 0)	2.094		27.553
TOTAL PAH (LOW) (USING DL)	2.094		27.553
TOTAL PAH (LOW) (USING HALF DL)	2.094		27.553

SE000416

Chemical	Conc. (mg/kg)		HQ
ANTHRACENE	0.076	J	1.329
BENZO(A)ANTHRACENE	0.27	J	2.5
BENZO(A)PYRENE	0.25	J	1.667
BENZO(GHI)PERYLENE	0.084	J	6.462
BENZO(K)FLUORANTHENE	0.25	J	1.042
CHRYSENE	0.3	J	1.807
COPPER	46	J	1.456
FLUORANTHENE	0.58		1.371
INDENO(1,2,3-C,D)PYRENE	0.083	J	4.882
LEAD	52.7	J	1.472
PHENANTHRENE	0.33	J	1.618
PYRENE	0.51		2.615
TOTAL PAH (USING 0)	3.098		1.924
TOTAL PAH (USING DL)	3.608		2.241
TOTAL PAH (USING HALF DL)	3.353		2.083
TOTAL PAH (HIGH) (USING 0)	1.983		11.665
TOTAL PAH (HIGH) (USING DL)	1.983		11.665
TOTAL PAH (HIGH) (USING HALF DL)	1.983		11.665
TOTAL PAH (LOW) (USING 0)	1.115		14.671
TOTAL PAH (LOW) (USING DL)	1.625		21.382
TOTAL PAH (LOW) (USING HALF DL)	1.37		18.026
ZINC	124	J	1.025

SE001247

Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.2	J	1.852
BENZO(A)PYRENE	0.24	J	1.6
BENZO(GHI)PERYLENE	0.12	J	9.231
BENZO(K)FLUORANTHENE	0.24	J	1.0
CHROMIUM	69.7		1.606
CHRYSENE	0.26	J	1.566
COPPER	56.2		1.778
INDENO(1,2,3-C,D)PYRENE	0.1	J	5.882
LEAD	122		3.408
MERCURY	0.75	J	4.167
PYRENE	0.35	J	1.795
SILVER	1.1	J	2.2
TOTAL PAH (USING 0)	2.442		1.517
TOTAL PAH (USING DL)	4.332		2.691
TOTAL PAH (USING HALF DL)	3.387		2.104
TOTAL PAH (HIGH) (USING 0)	1.79		10.529
TOTAL PAH (HIGH) (USING DL)	2.42		14.235
TOTAL PAH (HIGH) (USING HALF DL)	2.105		12.382
TOTAL PAH (LOW) (USING 0)	0.652		8.579
TOTAL PAH (LOW) (USING DL)	1.912		25.158
TOTAL PAH (LOW) (USING HALF DL)	1.282		16.868
ZINC	206		1.702

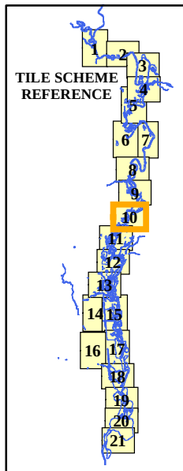
SE001267

Chemical	Conc. (mg/kg)		HQ
ACENAPTHYLENE	0.14	J	1.077
ANTHRACENE	0.076	J	1.329
BENZO(A)ANTHRACENE	0.51	J	4.722
BENZO(A)PYRENE	0.65	J	4.333
BENZO(GHI)PERYLENE	0.61	J	46.923
BENZO(K)FLUORANTHENE	0.66	J	2.75
CHROMIUM	62.6		1.442
CHRYSENE	0.68	J	4.096
COPPER	60		1.899
DIBENZO(A,H)ANTHRACENE	0.21	J	6.364
FLUORANTHENE	0.83	J	1.962
INDENO(1,2,3-C,D)PYRENE	0.49	J	28.824
LEAD	103		2.877
MERCURY	0.4	J	2.222
PHENANTHRENE	0.44	J	2.157
PYRENE	1.2		6.154
SILVER	0.88	J	1.76
TOTAL PAH (USING 0)	7.17		4.453
TOTAL PAH (USING DL)	8.87		5.509
TOTAL PAH (USING HALF DL)	8.02		4.981
TOTAL PAH (HIGH) (USING 0)	5.59		32.882
TOTAL PAH (HIGH) (USING DL)	5.59		32.882
TOTAL PAH (HIGH) (USING HALF DL)	5.59		32.882
TOTAL PAH (LOW) (USING 0)	1.58		20.789
TOTAL PAH (LOW) (USING DL)	3.28		43.158
TOTAL PAH (LOW) (USING HALF DL)	2.43		31.974
ZINC	155		1.281

LEGEND:

- Sediment Sample
- Hydrology
- 10-year Floodplain

TILE SCHEME REFERENCE



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W E
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Scale in Feet

0 50 100 200 300 400

Housatonic River Project
Ecological Risk Assessment

FIGURE B-21
SEDIMENT SAMPLES WITH HAZARD QUOTIENTS EXCEEDING 1