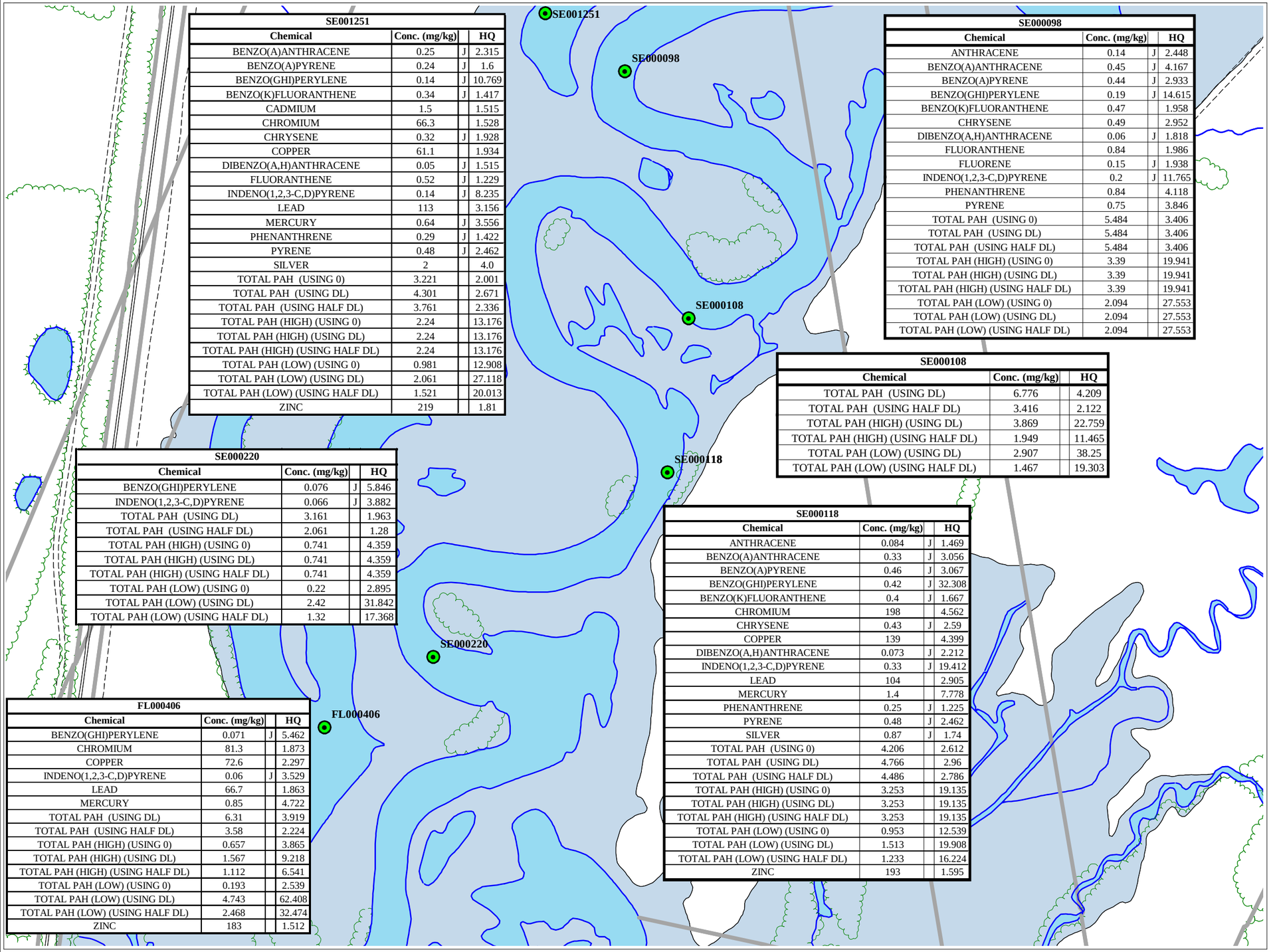


SE001251			
Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.25	J	2.315
BENZO(A)PYRENE	0.24	J	1.6
BENZO(GHI)PERYLENE	0.14	J	10.769
BENZO(K)FLUORANTHENE	0.34	J	1.417
CADMIUM	1.5		1.515
CHROMIUM	66.3		1.528
CHRYSENE	0.32	J	1.928
COPPER	61.1		1.934
DIBENZO(A,H)ANTHRACENE	0.05	J	1.515
FLUORANTHENE	0.52	J	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

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

SE000108			
Chemical	Conc. (mg/kg)		HQ
TOTAL PAH (USING DL)	6.776		4.209
TOTAL PAH (USING HALF DL)	3.416		2.122
TOTAL PAH (HIGH) (USING DL)	3.869		22.759
TOTAL PAH (HIGH) (USING HALF DL)	1.949		11.465
TOTAL PAH (LOW) (USING DL)	2.907		38.25
TOTAL PAH (LOW) (USING HALF DL)	1.467		19.303

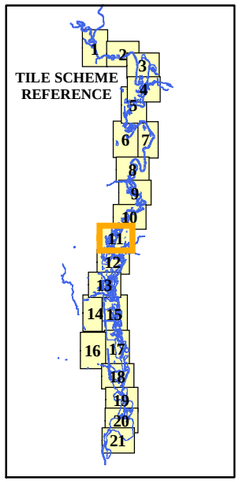
SE000220			
Chemical	Conc. (mg/kg)		HQ
BENZO(GHI)PERYLENE	0.076	J	5.846
INDENO(1,2,3-C,D)PYRENE	0.066	J	3.882
TOTAL PAH (USING DL)	3.161		1.963
TOTAL PAH (USING HALF DL)	2.061		1.28
TOTAL PAH (HIGH) (USING 0)	0.741		4.359
TOTAL PAH (HIGH) (USING DL)	0.741		4.359
TOTAL PAH (HIGH) (USING HALF DL)	0.741		4.359
TOTAL PAH (LOW) (USING 0)	0.22		2.895
TOTAL PAH (LOW) (USING DL)	2.42		31.842
TOTAL PAH (LOW) (USING HALF DL)	1.32		17.368

SE000118			
Chemical	Conc. (mg/kg)		HQ
ANTHRACENE	0.084	J	1.469
BENZO(A)ANTHRACENE	0.33	J	3.056
BENZO(A)PYRENE	0.46	J	3.067
BENZO(GHI)PERYLENE	0.42	J	32.308
BENZO(K)FLUORANTHENE	0.4	J	1.667
CHROMIUM	198		4.562
CHRYSENE	0.43	J	2.59
COPPER	139		4.399
DIBENZO(A,H)ANTHRACENE	0.073	J	2.212
INDENO(1,2,3-C,D)PYRENE	0.33	J	19.412
LEAD	104		2.905
MERCURY	1.4		7.778
PHENANTHRENE	0.25	J	1.225
PYRENE	0.48	J	2.462
SILVER	0.87	J	1.74
TOTAL PAH (USING 0)	4.206		2.612
TOTAL PAH (USING DL)	4.766		2.96
TOTAL PAH (USING HALF DL)	4.486		2.786
TOTAL PAH (HIGH) (USING 0)	3.253		19.135
TOTAL PAH (HIGH) (USING DL)	3.253		19.135
TOTAL PAH (HIGH) (USING HALF DL)	3.253		19.135
TOTAL PAH (LOW) (USING 0)	0.953		12.539
TOTAL PAH (LOW) (USING DL)	1.513		19.908
TOTAL PAH (LOW) (USING HALF DL)	1.233		16.224
ZINC	193		1.595

FL000406			
Chemical	Conc. (mg/kg)		HQ
BENZO(GHI)PERYLENE	0.071	J	5.462
CHROMIUM	81.3		1.873
COPPER	72.6		2.297
INDENO(1,2,3-C,D)PYRENE	0.06	J	3.529
LEAD	66.7		1.863
MERCURY	0.85		4.722
TOTAL PAH (USING DL)	6.31		3.919
TOTAL PAH (USING HALF DL)	3.58		2.224
TOTAL PAH (HIGH) (USING 0)	0.657		3.865
TOTAL PAH (HIGH) (USING DL)	1.567		9.218
TOTAL PAH (HIGH) (USING HALF DL)	1.112		6.541
TOTAL PAH (LOW) (USING 0)	0.193		2.539
TOTAL PAH (LOW) (USING DL)	4.743		62.408
TOTAL PAH (LOW) (USING HALF DL)	2.468		32.474
ZINC	183		1.512

LEGEND:

- Sediment Sample
- Hydrology
- 10-year Floodplain



Scale in Feet

0 50 100 200 300 400

Housatonic River Project
Ecological Risk Assessment

FIGURE B-22
SEDIMENT SAMPLES WITH HAZARD QUOTIENTS EXCEEDING 1