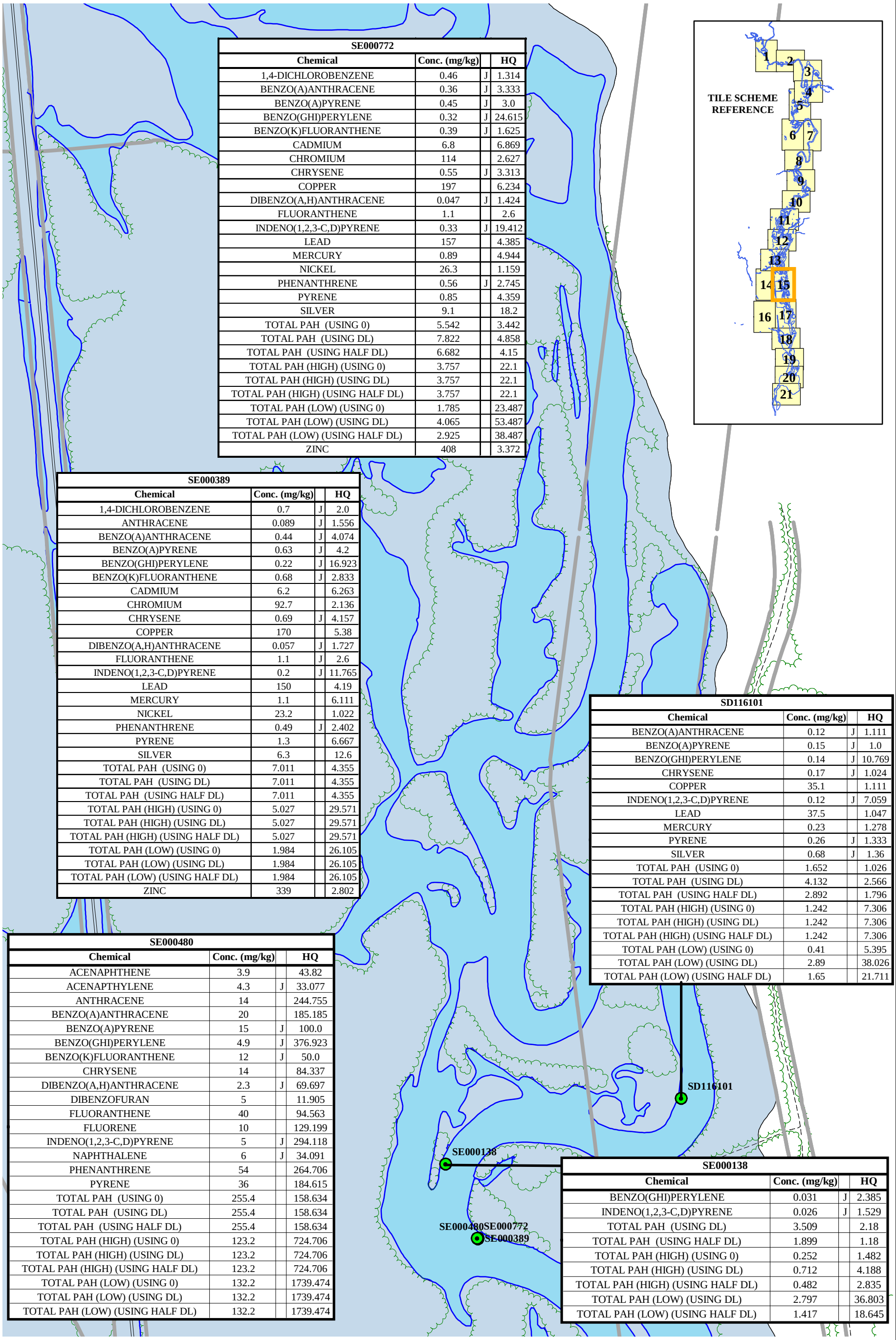

SE000772			
Chemical	Conc. (mg/kg)		HQ
1,4-DICHLOROBENZENE	0.46	J	1.314
BENZO(A)ANTHRACENE	0.36	J	3.333
BENZO(A)PYRENE	0.45	J	3.0
BENZO(GHI)PERYLENE	0.32	J	24.615
BENZO(K)FLUORANTHENE	0.39	J	1.625
CADMIUM	6.8		6.869
CHROMIUM	114		2.627
CHRYSENE	0.55	J	3.313
COPPER	197		6.234
DIBENZO(A,H)ANTHRACENE	0.047	J	1.424
FLUORANTHENE	1.1		2.6
INDENO(1,2,3-C,D)PYRENE	0.33	J	19.412
LEAD	157		4.385
MERCURY	0.89		4.944
NICKEL	26.3		1.159
PHENANTHRENE	0.56	J	2.745
PYRENE	0.85		4.359
SILVER	9.1		18.2
TOTAL PAH (USING 0)	5.542		3.442
TOTAL PAH (USING DL)	7.822		4.858
TOTAL PAH (USING HALF DL)	6.682		4.15
TOTAL PAH (HIGH) (USING 0)	3.757		22.1
TOTAL PAH (HIGH) (USING DL)	3.757		22.1
TOTAL PAH (HIGH) (USING HALF DL)	3.757		22.1
TOTAL PAH (LOW) (USING 0)	1.785		23.487
TOTAL PAH (LOW) (USING DL)	4.065		53.487
TOTAL PAH (LOW) (USING HALF DL)	2.925		38.487
ZINC	408		3.372

SE000389			
Chemical	Conc. (mg/kg)		HQ
1,4-DICHLOROBENZENE	0.7	J	2.0
ANTHRACENE	0.089	J	1.556
BENZO(A)ANTHRACENE	0.44	J	4.074
BENZO(A)PYRENE	0.63	J	4.2
BENZO(GHI)PERYLENE	0.22	J	16.923
BENZO(K)FLUORANTHENE	0.68	J	2.833
CADMIUM	6.2		6.263
CHROMIUM	92.7		2.136
CHRYSENE	0.69	J	4.157
COPPER	170		5.38
DIBENZO(A,H)ANTHRACENE	0.057	J	1.727
FLUORANTHENE	1.1	J	2.6
INDENO(1,2,3-C,D)PYRENE	0.2	J	11.765
LEAD	150		4.19
MERCURY	1.1		6.111
NICKEL	23.2		1.022
PHENANTHRENE	0.49	J	2.402
PYRENE	1.3		6.667
SILVER	6.3		12.6
TOTAL PAH (USING 0)	7.011		4.355
TOTAL PAH (USING DL)	7.011		4.355
TOTAL PAH (USING HALF DL)	7.011		4.355
TOTAL PAH (HIGH) (USING 0)	5.027		29.571
TOTAL PAH (HIGH) (USING DL)	5.027		29.571
TOTAL PAH (HIGH) (USING HALF DL)	5.027		29.571
TOTAL PAH (LOW) (USING 0)	1.984		26.105
TOTAL PAH (LOW) (USING DL)	1.984		26.105
TOTAL PAH (LOW) (USING HALF DL)	1.984		26.105
ZINC	339		2.802

SD116101			
Chemical	Conc. (mg/kg)		HQ
BENZO(A)ANTHRACENE	0.12	J	1.111
BENZO(A)PYRENE	0.15	J	1.0
BENZO(GHI)PERYLENE	0.14	J	10.769
CHRYSENE	0.17	J	1.024
COPPER	35.1		1.111
INDENO(1,2,3-C,D)PYRENE	0.12	J	7.059
LEAD	37.5		1.047
MERCURY	0.23		1.278
PYRENE	0.26	J	1.333
SILVER	0.68	J	1.36
TOTAL PAH (USING 0)	1.652		1.026
TOTAL PAH (USING DL)	4.132		2.566
TOTAL PAH (USING HALF DL)	2.892		1.796
TOTAL PAH (HIGH) (USING 0)	1.242		7.306
TOTAL PAH (HIGH) (USING DL)	1.242		7.306
TOTAL PAH (HIGH) (USING HALF DL)	1.242		7.306
TOTAL PAH (LOW) (USING 0)	0.41		5.395
TOTAL PAH (LOW) (USING DL)	2.89		38.026
TOTAL PAH (LOW) (USING HALF DL)	1.65		21.711

SE000480			
Chemical	Conc. (mg/kg)		HQ
ACENAPHTHENE	3.9		43.82
ACENAPTHYLENE	4.3	J	33.077
ANTHRACENE	14		244.755
BENZO(A)ANTHRACENE	20		185.185
BENZO(A)PYRENE	15	J	100.0
BENZO(GHI)PERYLENE	4.9	J	376.923
BENZO(K)FLUORANTHENE	12	J	50.0
CHRYSENE	14		84.337
DIBENZO(A,H)ANTHRACENE	2.3	J	69.697
DIBENZOFURAN	5		11.905
FLUORANTHENE	40		94.563
FLUORENE	10		129.199
INDENO(1,2,3-C,D)PYRENE	5	J	294.118
NAPHTHALENE	6	J	34.091
PHENANTHRENE	54		264.706
PYRENE	36		184.615
TOTAL PAH (USING 0)	255.4		158.634
TOTAL PAH (USING DL)	255.4		158.634
TOTAL PAH (USING HALF DL)	255.4		158.634
TOTAL PAH (HIGH) (USING 0)	123.2		724.706
TOTAL PAH (HIGH) (USING DL)	123.2		724.706
TOTAL PAH (HIGH) (USING HALF DL)	123.2		724.706
TOTAL PAH (LOW) (USING 0)	132.2		1739.474
TOTAL PAH (LOW) (USING DL)	132.2		1739.474
TOTAL PAH (LOW) (USING HALF DL)	132.2		1739.474

SE000138			
Chemical	Conc. (mg/kg)		HQ
BENZO(GHI)PERYLENE	0.031	J	2.385
INDENO(1,2,3-C,D)PYRENE	0.026	J	1.529
TOTAL PAH (USING DL)	3.509		2.18
TOTAL PAH (USING HALF DL)	1.899		1.18
TOTAL PAH (HIGH) (USING 0)	0.252		1.482
TOTAL PAH (HIGH) (USING DL)	0.712		4.188
TOTAL PAH (HIGH) (USING HALF DL)	0.482		2.835
TOTAL PAH (LOW) (USING DL)	2.797		36.803
TOTAL PAH (LOW) (USING HALF DL)	1.417		18.645

LEGEND:

- Sediment Sample
- Hydrology
- 10-year Floodplain

Scale in Feet

0 50 100 200 300 400

N

Housatonic River Project
Ecological Risk Assessment

FIGURE B-26
SEDIMENT SAMPLES WITH HAZARD QUOTIENTS EXCEEDING 1