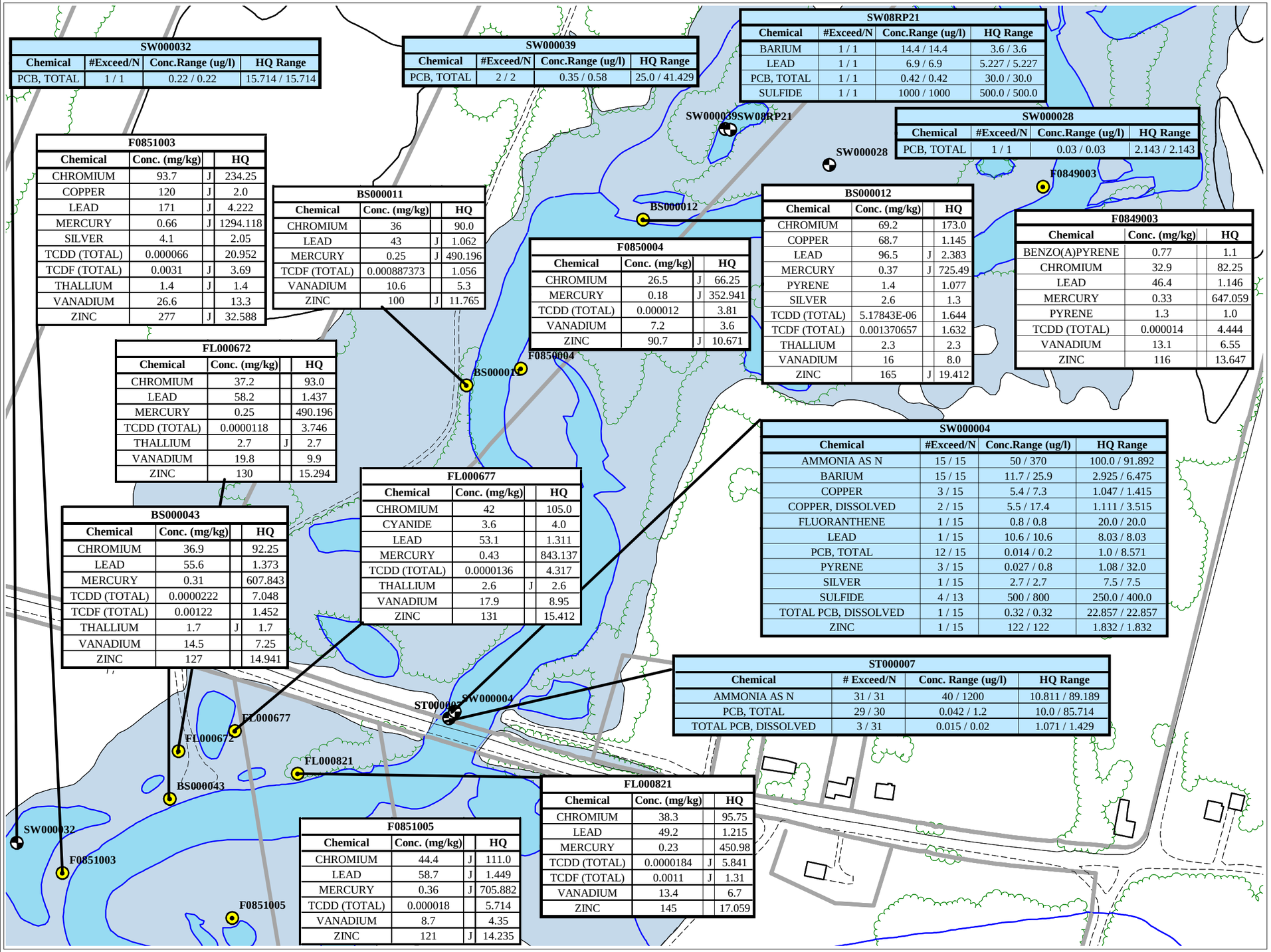

SW000032			
Chemical	#Exceed/N	Conc.Range (ug/l)	HQ Range
PCB, TOTAL	1 / 1	0.22 / 0.22	15.714 / 15.714

SW000039			
Chemical	#Exceed/N	Conc.Range (ug/l)	HQ Range
PCB, TOTAL	2 / 2	0.35 / 0.58	25.0 / 41.429

SW08RP21			
Chemical	#Exceed/N	Conc.Range (ug/l)	HQ Range
BARIUM	1 / 1	14.4 / 14.4	3.6 / 3.6
LEAD	1 / 1	6.9 / 6.9	5.227 / 5.227
PCB, TOTAL	1 / 1	0.42 / 0.42	30.0 / 30.0
SULFIDE	1 / 1	1000 / 1000	500.0 / 500.0

SW000028			
Chemical	#Exceed/N	Conc.Range (ug/l)	HQ Range
PCB, TOTAL	1 / 1	0.03 / 0.03	2.143 / 2.143

F0851003			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	93.7	J	234.25
COPPER	120	J	2.0
LEAD	171	J	4.222
MERCURY	0.66	J	1294.118
SILVER	4.1		2.05
TCDD (TOTAL)	0.000066		20.952
TCDF (TOTAL)	0.0031	J	3.69
THALLIUM	1.4	J	1.4
VANADIUM	26.6		13.3
ZINC	277	J	32.588

BS000011			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	36		90.0
LEAD	43	J	1.062
MERCURY	0.25	J	490.196
TCDF (TOTAL)	0.000887373		1.056
VANADIUM	10.6		5.3
ZINC	100	J	11.765

BS000012			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	69.2		173.0
COPPER	68.7		1.145
LEAD	96.5	J	2.383
MERCURY	0.37	J	725.49
PYRENE	1.4		1.077
SILVER	2.6		1.3
TCDD (TOTAL)	5.17843E-06		1.644
TCDF (TOTAL)	0.001370657		1.632
THALLIUM	2.3		2.3
VANADIUM	16		8.0
ZINC	165	J	19.412

F0850004			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	26.5	J	66.25
MERCURY	0.18	J	352.941
TCDD (TOTAL)	0.000012		3.81
VANADIUM	7.2		3.6
ZINC	90.7	J	10.671

F0849003		
Chemical	Conc. (mg/kg)	HQ
BENZO(A)PYRENE	0.77	1.1
CHROMIUM	32.9	82.25
LEAD	46.4	1.146
MERCURY	0.33	647.059
PYRENE	1.3	1.0
TCDD (TOTAL)	0.000014	4.444
VANADIUM	13.1	6.55
ZINC	116	13.647

FL000672			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	37.2		93.0
LEAD	58.2		1.437
MERCURY	0.25		490.196
TCDD (TOTAL)	0.0000118		3.746
THALLIUM	2.7	J	2.7
VANADIUM	19.8		9.9
ZINC	130		15.294

FL000677			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	42		105.0
CYANIDE	3.6		4.0
LEAD	53.1		1.311
MERCURY	0.43		843.137
TCDD (TOTAL)	0.0000136		4.317
THALLIUM	2.6	J	2.6
VANADIUM	17.9		8.95
ZINC	131		15.412

BS000043			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	36.9		92.25
LEAD	55.6		1.373
MERCURY	0.31		607.843
TCDD (TOTAL)	0.0000222		7.048
TCDF (TOTAL)	0.00122		1.452
THALLIUM	1.7	J	1.7
VANADIUM	14.5		7.25
ZINC	127		14.941

SW000004			
Chemical	#Exceed/N	Conc.Range (ug/l)	HQ Range
AMMONIA AS N	15 / 15	50 / 370	100.0 / 91.892
BARIUM	15 / 15	11.7 / 25.9	2.925 / 6.475
COPPER	3 / 15	5.4 / 7.3	1.047 / 1.415
COPPER, DISSOLVED	2 / 15	5.5 / 17.4	1.111 / 3.515
FLUORANTHENE	1 / 15	0.8 / 0.8	20.0 / 20.0
LEAD	1 / 15	10.6 / 10.6	8.03 / 8.03
PCB, TOTAL	12 / 15	0.014 / 0.2	1.0 / 8.571
PYRENE	3 / 15	0.027 / 0.8	1.08 / 32.0
SILVER	1 / 15	2.7 / 2.7	7.5 / 7.5
SULFIDE	4 / 13	500 / 800	250.0 / 400.0
TOTAL PCB, DISSOLVED	1 / 15	0.32 / 0.32	22.857 / 22.857
ZINC	1 / 15	122 / 122	1.832 / 1.832

ST000007			
Chemical	# Exceed/N	Conc. Range (ug/l)	HQ Range
AMMONIA AS N	31 / 31	40 / 1200	10.811 / 89.189
PCB, TOTAL	29 / 30	0.042 / 1.2	10.0 / 85.714
TOTAL PCB, DISSOLVED	3 / 31	0.015 / 0.02	1.071 / 1.429

FL000821			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	38.3		95.75
LEAD	49.2		1.215
MERCURY	0.23		450.98
TCDD (TOTAL)	0.0000184	J	5.841
TCDF (TOTAL)	0.0011	J	1.31
VANADIUM	13.4		6.7
ZINC	145		17.059

F0851005			
Chemical	Conc. (mg/kg)		HQ
CHROMIUM	44.4	J	111.0
LEAD	58.7	J	1.449
MERCURY	0.36	J	705.882
TCDD (TOTAL)	0.000018		5.714
VANADIUM	8.7		4.35
ZINC	121	J	14.235

LEGEND:

- Water Sample
- Soil Sample
- Hydrology
- 10-year Floodplain

TILE SCHEME REFERENCE

N
W E
S

Scale in Feet

0 50 100 200 300 400

Housatonic River Project Ecological Risk Assessment

FIGURE B-42
SURFACE WATER AND SOIL SAMPLES WITH HAZARD QUOTIENT EXCEEDING 1