

## **APPENDIX H**

WETLANDS CROSSED BY THE HUBLINE/EAST TO WEST PROJECT

TABLE H-1  
Wetlands Crossed by the HubLine/East to West Project

State/Facility/ Beginning MP	Wetland Identifier	NWI Classification <sup>a</sup>	Crossing Length (feet)	Wetland Acreage Affected by Construction	Wetland Acreage Affected by Operation <sup>b</sup>	Total Forested Wetland Acreage Affected by Operation <sup>b</sup>
<b>Massachusetts</b>						
I-10 Extension						
0.7	I10-W51	EEM	240	0.0 <sup>c</sup>	0.0	0.0
0.8	I10-W51	EEM	680	0.0 <sup>c</sup>	0.0	0.0
1.3	I10-W2	PEM/PFO	422	0.6	0.10	0.1
1.4	I10-W3	PSS/PFO	81	0.10	0.0	0.0
1.6	I10-W4	PSS/PFO	375	0.6	0.2	0.0
1.8	I10-W4	PSS/PFO	63	<0.1	<0.1	0.0
1.8	I10-W4	PSS/PFO	315	0.5	0.2	0.0
2.0	I10-W5	PSS	242	0.3	0.1	0.0
2.1	I10-W48	PSS/PFO	176	0.2	0.1	<0.1
2.2	I10-W46	PSS/PFO	223	0.3	0.1	0.1
2.2	I10-W45	PEM/PSS	295	0.3	0.1	<0.1
2.4	I10-W6	PEM/PFO	173	0.2	0.0	0.0
2.9	I10-W7	PEM	119	0.1	<0.1	0.0
3.0	I10-W8	PFO	529	0.8	0.3	0.2
3.9	I10-W49	PFO	342	0.4	0.2	0.2
4.0	I10-W49	PFO	63	<0.1	0.0	0.0
4.4	I10-W50	PEM/PFO	31	<0.1	0.0	0.0
4.4	I10-W50A	PFO/PSS	97	0.2	0.1	<0.1
4.4	I10-W50A	PFO/PSS	147	0.2	0.1	<0.1
4.5	I10-W50B	PSS	312	0.4	0.2	0.0
4.7	I10-W50C	PFO/PSS	230	0.3	0.1	0.0
4.9	I10-W50D	PFO	54	<0.1	0.0	0.0
5.2	I10-W23	PFO/PEM/PSS	369	0.5	0.2	<0.1
5.3	I10-W23	PFO/PEM/PSS	271	0.4	0.1	0.1
5.3	I10-W23	PFO/PEM/PSS	151	0.1	<0.1	<0.1
5.5	I10-W21	PFO/PEM/PSS	102	0.2	<0.1	<0.1
5.6	I10-W20	PSS/PFO	45	<0.1	0.0	0.0
5.6	I10-W20	PSS/PFO	342	0.6	0.2	0.0
5.8	I10-W19	PFO/PSS	119	0.1	<0.1	<0.1
5.9	I10-W19	PFO/PSS	1	0.0	0.0	0.0
6.0	I10-W25	PFO	187	0.3	0.1	0.1
6.1	I10-W24	PFO	126	0.2	0.1	0.0
6.2	I10-W24	PFO	845	1.0	0.4	0.4
6.5	I10-W26	PFO/PSS	224	0.4	0.1	0.1
6.7	I10-W27	PEM	90	0.1	<0.1	0.0
6.8	I10-W27	PFO	649	0.7	0.2	0.1
6.9	I10-W27	PFO	20	0.0	0.0	0.0
7.0	I10-W28	PFO/PEM	118	0.1	0.1	<0.1
7.2	I10-W31	PSS/PFO	957	1.8	0.6	0.3
7.7	I10-W32	PSS/PFO	433	0.6	0.2	0.2

TABLE H-1 (cont'd)

**Wetlands Crossed by the HubLine/East to West Project**

State/Facility/ Beginning MP	Wetland Identifier	NWI Classification <sup>a</sup>	Crossing Length (feet)	Wetland Acreage Affected by Construction	Wetland Acreage Affected by Operation <sup>b</sup>	Total Forested Wetland Acreage Affected by Operation <sup>b</sup>
7.9	I10-W33	R/PSS/PFO	219	0.4	0.1	0.1
8.1	I10-W34	PSS/PEM/PFO	74	0.1	<0.1	0.0
8.2	I10-W35	PSS/PFO	111	0.1	<0.1	<0.1
8.3	I10-W35	PSS/PFO	82	0.1	<0.1	<0.1
8.4	I10-W36	PSS/PFO	306	0.5	0.1	0.0
8.9	I10-W37	PEM	15	0.0	0.0	0.0
9.1	I10-W37A	PSS	112	0.2	0.1	<0.1
9.1	I10-W37A	PSS	254	0.4	0.2	0.0
9.5	I10-W38	PSS/PFO	850	1.4	0.5	<0.1
10.8	I10-WCC1	PFO	143	0.2	0.1	0.0
10.9	I10-WCC2	PSS/PFO	72	0.1	<0.1	<0.1
10.9	I10-WCC2A	PSS/PFO	72	<0.1	<0.1	<0.1
11.0	I10-WCC11	PFO	435	0.7	0.2	0.2
11.1	I10-WCC11	PFO	59	0.1	<0.1	<0.1
11.3	I10-WCC8	PFO/PSS	46	<0.1	0.0	0.0
11.3	I10-WCC8	PSS/PFO	410	0.6	0.2	0.2
11.4	I10-WCC8	PSS/PFO	149	0.2	0.1	0.1
11.5	I10-WCC15	PFO/PSS	84	<0.1	0.0	0.0
11.8	I10-WCC6	PEM	22	<0.1	<0.1	<0.1
12.2	I10-WCC17	PFO	55	<0.1	0.0	0.0
12.5	I10-WCC13	PEM/PFO	32	<0.1	<0.1	<0.1
12.7	I10-WCC18	PFO	114	0.2	0.1	0.1
12.8	I10-WCC19	PFO/PSS	59	0.1	<0.1	<0.1
I-10 Extension Subtotal			14,438	17.6	5.8	2.9
<b>Q-1 System Replacement</b>						
13.0	QB-1-2	PEM	165	0.2	0.0	0.0
13.1	QB-1-3	PFO/PEM/PSS	115	0.2	0.0	0.0
13.3	QB-1-4	PEM	54	0.1	0.0	0.0
13.6	QB-1-6	PFO/PEM/PSS	225	0.4	0.0	0.0
13.6	QB-1-7	PFO/PEM	291	0.40	0.00	0.00
13.7	QB-1-7	PFO/PEM	108	0.1	0.0	0.0
13.7	QB-1-7	PFO/PEM	10	0.0	0.0	0.0
13.8	QB-1-7	PFO/PEM	194	0.2	0.0	0.0
13.8	QB-1-7	PFO/PEM	910	1.6	0.0	0.0
14.0	QB-1-7	PFO/PEM	19	0.0	0.0	0.0
14.1	QB-1-8	PSS	57	<0.1	0.0	0.0
14.1	QB-1-8	PSS	257	0.2	0.0	0.0
14.5	QB-1-9	PEM	103	0.1	0.0	0.0
14.9	QB-1-10	PEM	286	0.3	0.0	0.0
15.4	QB-1-11	PEM/PFO	658	1.2	0.0	0.0
15.6	QB-1-12	PEM/PFO	270	0.5	0.1	0.0
15.6	QB-1-12	PEM/PFO	3874	7.2	2.4	1.0
16.5	QB-1-13	PEM/PFO	457	0.8	0.3	0.2
16.9	QB-1-15	PEM/PFO	1279	2.1	0.0	0.0
17.2	QB-1-15	PEM/PFO	384	0.69	0.2	0.0

TABLE H-1 (cont'd)

**Wetlands Crossed by the HubLine/East to West Project**

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17.4	QB-1-15A	Riverine	83	<0.1	0.0	0.0
17.3	QB-1-17	PEM/PFO	214	0.1	0.0	0.0
18.1	QB-1-18	PEM/PFO	109	0.1	0.0	0.0
18.5	QB-1-19	PEM/PFO	915	1.6	0.0	0.0
18.8	QB-1-25	PFO/PEM	138	0.2	0.0	0.0
18.9	QB-1-26	PFO/PEM	303	0.4	0.0	0.0
19.0	QB-1-26	PFO/PEM	123	0.1	0.0	0.0
19.1	QB-1-29	PEM/PFO	201	0.2	0.0	0.0
19.1	QB-1-28	PEM/PFO	150	0.1	0.0	0.00
19.3	QB-1-30	PFO	839	1.1	0.0	0.0
19.5	QB-1-31	PFO	741	1.1	0.0	0.0
Q-1 System Replacement Subtotal			13,532	21.1	3.1	1.2

**Connecticut****E-3 System Replacement**

0.1	E3-W1	PFO/PEM	268	0.4	0.0	0.0
0.3	E3-W2	PFO/PSS	302	0.5	0.0	0.0
0.5	E3-W3	PFO/PSS	30	0.0	0.0	0.0
0.5	E3-W3	PFO/PSS	313	0.3	0.0	0.0
0.6	E3-W3	PFO/PSS	163	0.1	0.0	0.0
0.6	E3-W4	PFO/PEM	18	<0.1	0.0	0.0
0.7	E3-W5	PFO/PSS	59	0.1	0.0	0.0
0.9	E3-W6	PFO/PSS	319	0.4	0.0	0.0
1.0	E3-W7	PEM	133	0.2	0.0	0.0
1.2	E3-W8	PFO/PEM	163	0.1	0.0	0.0
1.2	E3-W8	PFO/PEM	25	0.0	0.00	0.0
1.2	E3-W8	PFO/PEM	78	0.1	0.0	0.0
1.4	E3-W9	PFO	67	<0.1	0.0	0.0
1.5	E3-W11	PFO/PEM	69	0.1	0.0	0.0
1.6	E3-W12	PFO/PEM	159	0.1	0.0	0.0
2.1	E3-W13	PFO/PEM	154	0.2	0.0	0.0
2.3	E3-W14	PFO/PEM	219	0.3	0.0	0.0
2.7	E3-W15	PFO/PEM	277	0.4	0.0	0.0
2.8	E3-W16	PFO/PEM	148	0.1	0.0	0.0
2.9	E3-W16	PFO/PEM	65	0.1	0.0	0.0
3.3	E3-W50	PFO/PSS	60	0.1	<0.1	<0.1
4.1	E3-W19	PFO/PEM	189	0.2	0.0	0.0
4.1	E3-W19	PFO/PSS	744	1.0	0.3	0.3
4.4	E3-W20	PFO/PEM	697	1.1	0.0	0.0
4.7	E3-W21	PFO/PEM	748	1.1	0.0	0.0
4.9	E3-W22	POW/PEM	189	0.1	0.0	0.0
5.1	E3-W23	PFO/PSS	874	1.3	0.0	0.0
5.3	E3-W24	PFO/PSS	562	1.0	0.0	0.0
5.8	E3-W25	PFO/PSS	101	0.1	0.0	0.0
6.2	E3-W26	PFO/PSS	181	0.2	0.0	0.0
6.6	E3-W29	PFO/PSS	3680	5.4	0.0	0.0
7.4	E3-W28	PFO/PSS	206	0.2	0.0	0.0

TABLE H-1 (cont'd)

**Wetlands Crossed by the HubLine/East to West Project**

State/Facility/ Beginning MP	Wetland Identifier	NWI Classification <sup>a</sup>	Crossing Length (feet)	Wetland Acreage Affected by Construction	Wetland Acreage Affected by Operation <sup>b</sup>	Total Forested Wetland Acreage Affected by Operation <sup>b</sup>
7.5	E3-W30	PFO/PSS	57	<0.1	0.0	0.0
7.6	E3-W31	PFO/PEM	47	<0.1	0.0	0.0
7.8	E3-W33	PFO/PEM	266	0.3	0.0	0.0
8.2	E3-W34	PFO/PSS	151	0.2	0.0	0.0
8.5	E3-W35	PFO/PSS	1020	1.7	0.0	0.0
8.8	E3-W37	PFO/PSS	1207	2.0	0.0	0.0
9.2	E3-W38	PFO/PSS	566	0.9	0.0	0.0
9.8	E3-W40	PFO	18	0.0	0.0	0.0
10.0	E3-W41	PFO	77	<0.1	0.0	0.0
10.5	E3-W42	PFO	63	<0.1	0.0	0.0
10.9	E3-W44	PFO/PSS	573	0.9	0.0	0.0
E-3 System Replacement Subtotal			15,307	21.1	0.3	0.3
<b>Project Total</b>			43,277	59.8	9.2	4.4

<sup>a</sup> NWI Classifications (Cowardin et al., 1979):

PEM – Palustrine emergent wetland

PSS – Palustrine scrub-shrub wetland

PFO – Palustrine forested wetland

POW – Palustrine open water (pond)

EEM – Estuarine emergent wetland

R – Riverine without significant wetland fringe

<sup>b</sup> Total wetland/forested wetland acreage impacted by maintenance includes impacts associated with NEW vegetation maintenance areas outside of the existing and currently maintained pipeline right-of-way.

<sup>c</sup> The pipeline would be installed using the horizontal directional drill method, which would avoid wetland impacts.

Note: The totals shown in this table may not equal the sum of addends due to rounding.