

Appendix C:

Loss Data Tables

Table C-1

Maximum Flood Loss % by Property Type and Town

	Residential	Commercial	Industrial	Institutional
Acton	1.0%	2.0%	2.0%	2.0%
Alfred	0.5%	0.5%	0.5%	0.0%
Arundel	2.0%	1.0%	1.0%	1.5%
Berwick	0.5%	1.0%	0.5%	1.0%
Biddeford	1.0%	2.0%	0.5%	1.5%
Buxton	5.0%	6.0%	5.0%	6.0%
Cornish	1.0%	2.0%	2.0%	1.0%
Dayton	2.0%	1.0%	0.5%	0.5%
Eliot	0.2%	0.5%	0.5%	0.5%
Hollis	1.0%	2.0%	2.0%	0.5%
Kennebunk	2.5%	1.5%	2.0%	1.5%
Kennebunkport	3.0%	5.0%	5.0%	5.0%
Kittery	2.0%	3.0%	4.0%	3.0%
Lebanon	2.0%	0.5%	0.5%	0.5%
Limerick	0.2%	0.2%	0.0%	0.0%
Limington	1.0%	1.0%	1.5%	0.5%
Lyman	0.5%	1.0%	1.5%	0.5%
Newfield	1.0%	2.0%	2.0%	2.0%
North Berwick	1.0%	1.0%	2.0%	1.0%
Ogunquit	4.0%	6.0%	6.0%	7.5%
Old Orchard Beach	8.0%	9.0%	9.0%	9.0%
Parsonsfield	5.0%	7.5%	7.5%	7.5%
Saco	1.5%	2.5%	1.5%	2.5%
Sanford	1.5%	2.0%	1.0%	2.0%
Shapleigh	0.5%	0.5%	0.5%	0.2%
South Berwick	5.0%	7.5%	5.0%	7.5%
Waterboro	1.0%	1.5%	2.0%	1.0%
Wells	1.5%	3.0%	2.0%	3.0%
York	7.5%	7.5%	9.0%	7.5%

Source: SMRPC

Table C-2

Building Value by Town, York County (\$000)

	Residential	Commercial	Industrial*	Institutional**	TOTAL
Acton	136,260	8,015	1,264	884	146,422
Alfred	78,886	12,981	6,100	3,207	101,174
Arundel	81,668	14,436	791	336	97,231
Berwick	179,265	10,044	6,609	6,014	201,932
Biddeford	801,908	157,375	77,591	26,123	1,062,997
Buxton	190,705	24,258	7,216	8,172	230,351
Cornish	44,411	9,653	4,087	2,153	60,304
Dayton	68,398	140	0	254	68,792
Eliot	172,123	18,243	6,918	5,022	202,306
Hollis	104,007	11,050	7,952	2,453	125,462
Kennebunk	357,523	79,558	18,993	8,428	464,502
Kennebunkport	225,150	42,646	7,629	3,753	279,178
Kittery	362,114	49,674	21,092	11,609	444,489
Lebanon	138,511	12,135	6,227	3,685	160,558
Limerick	85,208	11,292	18,920	2,639	118,059
Limington	85,583	7,085	2,355	715	95,738
Lyman	88,961	183	0	330	89,474
Newfield	75,174	4,422	697	488	80,781
North Berwick	125,891	13,343	18,163	3,119	160,516
Ogunquit	140,140	13,491	2,356	1,282	157,269
Old Orchard Beach	532,277	42,253	5,073	10,530	590,133
Parsonsfield	75,171	16,338	6,918	3,643	102,070
Saco	580,891	125,857	38,929	27,940	773,617
Sanford	721,140	195,509	65,287	17,372	999,308
Shapleigh	142,933	8,407	1,326	927	153,594
South Berwick	196,127	19,430	7,065	6,018	228,640
Waterboro	187,451	14,911	8,701	3,458	214,521
Wells	466,616	44,920	7,846	4,270	523,652
York	593,394	73,112	14,738	11,359	692,603
COUNTY TOTAL	7,037,886	1,040,761	370,843	176,183	8,625,673

* Industrial also includes agricultural uses.

** Institutional includes government, non-profit/religious, and educational uses.

Source: HAZUS99; SMRPC

Table C-3

Maximum Flood Loss by Property Type and Town (\$000)

	Residential	Commercial	Industrial*	Institutional**	TOTAL
Acton	\$1,363	\$160	\$25	\$18	\$1,566
Alfred	394	65	31	0	490
Arundel	1,633	144	8	5	1,791
Berwick	896	100	33	60	1,090
Biddeford	8,019	3,148	388	392	11,946
Buxton	9,535	1,455	361	490	11,842
Cornish	444	193	82	22	740
Dayton	1,368	1	0	1	1,371
Eliot	344	91	35	25	495
Hollis	1,040	221	159	12	1,432
Kennebunk	8,938	1,193	380	126	10,638
Kennebunkport	6,755	2,132	381	188	9,456
Kittery	7,242	1,490	844	348	9,924
Lebanon	2,770	61	31	18	2,880
Limerick	170	23	0	0	193
Limington	856	71	35	4	966
Lyman	445	2	0	2	448
Newfield	752	88	14	10	864
North Berwick	1,259	133	363	31	1,787
Ogunquit	5,606	809	141	96	6,653
Old Orchard Beach	42,582	3,803	457	948	47,789
Parsonsfield	3,759	1,225	519	273	5,776
Saco	8,713	3,146	584	699	13,142
Sanford	10,817	3,910	653	347	15,728
Shapleigh	715	42	7	2	765
South Berwick	9,806	1,457	353	451	12,068
Waterboro	1,875	224	174	35	2,307
Wells	6,999	1,348	157	128	8,632
York	44,505	5,483	1,326	852	52,166
COUNTY TOTAL	\$189,600	\$32,222	\$7,540	\$5,583	\$234,945

* Industrial also includes agricultural uses.

** Institutional includes government, non-profit/religious, and educational uses.

Source: HAZUS99; SMRPC

Table C-4

Contents Loss by Property Type and Town (\$000)

	Residential	Commercial	Industrial*	Institutional**	TOTAL
Contents Loss as % of					
Structural Loss	50%	100%	125%	125%	
Acton	\$681	\$160	\$32	\$22	\$895
Alfred	197	65	38	0	300
Arundel	817	144	10	6	977
Berwick	448	100	41	75	665
Biddeford	4,010	3,148	485	490	8,132
Buxton	4,768	1,455	451	613	7,287
Cornish	222	193	102	27	544
Dayton	684	1	0	2	687
Eliot	172	91	43	31	338
Hollis	520	221	199	15	955
Kennebunk	4,469	1,193	475	158	6,295
Kennebunkport	3,377	2,132	477	235	6,221
Kittery	3,621	1,490	1,055	435	6,601
Lebanon	1,385	61	39	23	1,508
Limerick	85	23	0	0	108
Limington	428	71	44	4	547
Lyman	222	2	0	2	226
Newfield	376	88	17	12	494
North Berwick	629	133	454	39	1,256
Ogunquit	2,803	809	177	120	3,909
Old Orchard Beach	21,291	3,803	571	1,185	26,849
Parsonsfield	1,879	1,225	649	342	4,095
Saco	4,357	3,146	730	873	9,106
Sanford	5,409	3,910	816	434	10,569
Shapleigh	357	42	8	2	410
South Berwick	4,903	1,457	442	564	7,366
Waterboro	937	224	218	43	1,422
Wells	3,500	1,348	196	160	5,203
York	22,252	5,483	1,658	1,065	30,459
COUNTY TOTAL	\$94,800	\$32,222	\$9,425	\$6,979	\$143,426

* Industrial also includes agricultural uses.

** Institutional includes government, non-profit/religious, and educational uses.

Source: HAZUS99; SMRPC

Table C-5

Economic Output by Town, 2002

	No. of Jobs	Avg. Annual Salary	Total Annual Wages	Total Annual Output (Wages=40%)	Output/Day (240 Workdays)
Acton	201	\$19,708	\$3,961,308	\$9,903,270	\$41,264
Alfred	592	\$27,976	\$16,561,792	\$41,404,480	\$172,519
Arundel	740	\$25,272	\$18,701,280	\$46,753,200	\$194,805
Berwick	849	\$29,068	\$24,678,732	\$61,696,830	\$257,070
Biddeford	10,957	\$29,692	\$325,335,244	\$813,338,110	\$3,388,909
Buxton	962	\$23,920	\$23,011,040	\$57,527,600	\$239,698
Cornish	344	\$18,876	\$6,493,344	\$16,233,360	\$67,639
Dayton	141	\$28,496	\$4,017,936	\$10,044,840	\$41,854
Eliot	1,043	\$34,944	\$36,446,592	\$91,116,480	\$379,652
Hollis	506	\$20,228	\$10,235,368	\$25,588,420	\$106,618
Kennebunk	5,152	\$28,964	\$149,222,528	\$373,056,320	\$1,554,401
Kennebunkport	1,377	\$23,556	\$32,436,612	\$81,091,530	\$337,881
Kittery	7,945	\$42,692	\$339,187,940	\$847,969,850	\$3,533,208
Lebanon	335	\$23,920	\$8,013,200	\$20,033,000	\$83,471
Limerick	470	\$22,256	\$10,460,320	\$26,150,800	\$108,962
Limington	204	\$21,580	\$4,402,320	\$11,005,800	\$45,858
Lyman	235	\$17,628	\$4,142,580	\$10,356,450	\$43,152
Newfield	82	\$21,216	\$1,739,712	\$4,349,280	\$18,122
North Berwick	2,578	\$42,172	\$108,719,416	\$271,798,540	\$1,132,494
Ogunquit	1,653	\$19,396	\$32,061,588	\$80,153,970	\$333,975
Old Orchard Beach	1,847	\$18,720	\$34,575,840	\$86,439,600	\$360,165
Parsonsfield	283	\$21,424	\$6,062,992	\$15,157,480	\$63,156
Saco	6,519	\$27,092	\$176,612,748	\$441,531,870	\$1,839,716
Sanford	8,685	\$26,832	\$233,035,920	\$582,589,800	\$2,427,458
Shapleigh	127	\$19,136	\$2,430,272	\$6,075,680	\$25,315
South Berwick	1,014	\$24,336	\$24,676,704	\$61,691,760	\$257,049
Waterboro	1,138	\$24,388	\$27,753,544	\$69,383,860	\$289,099
Wells	3,919	\$24,544	\$96,187,936	\$240,469,840	\$1,001,958
York	5,002	\$27,456	\$137,334,912	\$343,337,280	\$1,430,572
COUNTY TOTAL	64,900	\$29,224	\$1,896,637,600	\$4,741,594,000	\$19,756,642

Source: *Covered Employment and Wages, 2002* (U.S. Dept. of Labor); SMRPC

Table C-6

Expected Economic Loss from a Major Flooding Event

	Output/Day (240 Workdays)	% of Activity Affected	Daily Economic Loss	Total Econ. Loss (10 days)
Acton	\$41,264	20%	\$8,253	\$82,530
Alfred	\$172,519	5%	\$8,626	\$86,260
Arundel	\$194,805	10%	\$19,481	\$194,810
Berwick	\$257,070	10%	\$25,707	\$257,070
Biddeford	\$3,388,909	20%	\$677,782	\$6,777,820
Buxton	\$239,698	60%	\$143,819	\$1,438,190
Cornish	\$67,639	20%	\$13,528	\$135,280
Dayton	\$41,854	10%	\$4,185	\$41,850
Eliot	\$379,652	5%	\$18,983	\$189,830
Hollis	\$106,618	20%	\$21,324	\$213,240
Kennebunk	\$1,554,401	15%	\$233,160	\$2,331,600
Kennebunkport	\$337,881	50%	\$168,941	\$1,689,410
Kittery	\$3,533,208	30%	\$1,059,962	\$10,599,620
Lebanon	\$83,471	5%	\$4,174	\$41,740
Limerick	\$108,962	2%	\$2,179	\$21,790
Limington	\$45,858	10%	\$4,586	\$45,860
Lyman	\$43,152	10%	\$4,315	\$43,150
Newfield	\$18,122	20%	\$3,624	\$36,240
North Berwick	\$1,132,494	10%	\$113,249	\$1,132,490
Ogunquit	\$333,975	60%	\$200,385	\$2,003,850
Old Orchard Beach	\$360,165	90%	\$324,149	\$3,241,490
Parsonsfield	\$63,156	75%	\$47,367	\$473,670
Saco	\$1,839,716	25%	\$459,929	\$4,599,290
Sanford	\$2,427,458	20%	\$485,492	\$4,854,920
Shapleigh	\$25,315	5%	\$1,266	\$12,660
South Berwick	\$257,049	75%	\$192,787	\$1,927,870
Waterboro	\$289,099	15%	\$43,365	\$433,650
Wells	\$1,001,958	30%	\$300,587	\$3,005,870
York	\$1,430,572	75%	\$1,072,929	\$10,729,290
COUNTY TOTAL	\$19,776,039		\$5,664,134	\$56,641,340

Source: *Covered Employment and Wages, 2002* (U.S. Dept. of Labor); SMRPC

Table C-7

Calculation of Output per Day by Town

						40%	240	
	Estab.	Jobs	Avg Emp/Est	Wages	Salary	Tot. Wage	Tot. Output	Output/Day
Acton	38	201	5.29	\$379	\$19,708	\$3,961,308	\$9,903,270	\$41,264
Alfred	76	592	7.79	\$538	\$27,976	\$16,561,792	\$41,404,480	\$172,519
Arundel	111	740	6.67	\$486	\$25,272	\$18,701,280	\$46,753,200	\$194,805
Berwick	87	849	9.76	\$559	\$29,068	\$24,678,732	\$61,696,830	\$257,070
Biddeford	656	10957	16.70	\$571	\$29,692	\$325,335,244	\$813,338,110	\$3,388,909
Buxton	122	962	7.89	\$460	\$23,920	\$23,011,040	\$57,527,600	\$239,698
Cornish	50	344	6.88	\$363	\$18,876	\$6,493,344	\$16,233,360	\$67,639
Dayton	25	141	5.64	\$548	\$28,496	\$4,017,936	\$10,044,840	\$41,854
Eliot	161	1043	6.48	\$672	\$34,944	\$36,446,592	\$91,116,480	\$379,652
Hollis	70	506	7.23	\$389	\$20,228	\$10,235,368	\$25,588,420	\$106,618
Kennebunk	495	5152	10.41	\$557	\$28,964	\$149,222,528	\$373,056,320	\$1,554,401
Kennebunkport	222	1377	6.20	\$453	\$23,556	\$32,436,612	\$81,091,530	\$337,881
Kittery	366	7945	21.71	\$821	\$42,692	\$339,187,940	\$847,969,850	\$3,533,208
Lebanon	59	335	5.68	\$460	\$23,920	\$8,013,200	\$20,033,000	\$83,471
Limerick	68	470	6.91	\$428	\$22,256	\$10,460,320	\$26,150,800	\$108,962
Limington	60	204	3.40	\$415	\$21,580	\$4,402,320	\$11,005,800	\$45,858
Lyman	54	235	4.35	\$339	\$17,628	\$4,142,580	\$10,356,450	\$43,152
Newfield	22	82	3.73	\$408	\$21,216	\$1,739,712	\$4,349,280	\$18,122
North Berwick	80	2578	32.23	\$811	\$42,172	\$108,719,416	\$271,798,540	\$1,132,494
Ogunquit	192	1653	8.61	\$373	\$19,396	\$32,061,588	\$80,153,970	\$333,975
Old Orchard Beach	281	1847	6.57	\$360	\$18,720	\$34,575,840	\$86,439,600	\$360,165
Parsonsfield	44	283	6.43	\$412	\$21,424	\$6,062,992	\$15,157,480	\$63,156
Saco	520	6519	12.54	\$521	\$27,092	\$176,612,748	\$441,531,870	\$1,839,716
Sanford	594	8685	14.62	\$516	\$26,832	\$233,035,920	\$582,589,800	\$2,427,458
Shapleigh	28	127	4.54	\$368	\$19,136	\$2,430,272	\$6,075,680	\$25,315
South Berwick	116	1014	8.74	\$468	\$24,336	\$24,676,704	\$61,691,760	\$257,049
Waterboro	107	1138	10.64	\$469	\$24,388	\$27,753,544	\$69,383,860	\$289,099
Wells	350	3919	11.20	\$472	\$24,544	\$96,187,936	\$240,469,840	\$1,001,958
York	530	5002	9.44	\$528	\$27,456	\$137,334,912	\$343,337,280	\$1,430,572
COUNTY TOTAL	5584	64900	11.62	\$562	\$29,224	\$1,896,637,600	\$4,741,594,000	\$19,756,642

Source: *Covered Employment and Wages, 2002* (U.S. Dept. of Labor); SMRPC

Table C-8

Summary of Road System Flooding Locations*Loss/Road Mile: \$250,000*

	Mileage Affected		Total Losses		
	In FIRM Floodplain	Not In FIRM Floodplain	In FIRM Floodplain	Not In FIRM Floodplain	Total
Acton	0.40	0.44	\$99,400	\$108,900	\$208,300
Alfred	0.13	0.04	\$33,100	\$9,500	\$42,600
Arundel	0.95	0.19	\$236,700	\$47,300	\$284,000
Berwick	0.06	0.00	\$14,200	\$0	\$14,200
Biddeford	0.19	0.13	\$47,300	\$33,100	\$80,400
Buxton	3.18	0.44	\$795,500	\$108,900	\$904,400
Cornish	0.17	0.09	\$42,600	\$23,700	\$66,300
Dayton	0.32	0.04	\$80,500	\$9,500	\$90,000
Eliot	0.08	0.00	\$18,900	\$0	\$18,900
Hollis	0.36	0.00	\$90,000	\$0	\$90,000
Kennebunk	1.21	0.15	\$303,000	\$37,900	\$340,900
Kennebunkport	1.16	0.00	\$288,800	\$0	\$288,800
Kittery	0.74	0.00	\$184,700	\$0	\$184,700
Lebanon	0.15	0.45	\$37,900	\$113,600	\$151,500
Limerick	0.00	0.00	\$0	\$0	\$0
Limington	0.36	0.15	\$90,000	\$37,900	\$127,900
Lyman	0.00	0.57	\$0	\$142,000	\$142,000
Newfield	0.04	0.00	\$10,400	\$0	\$10,400
N. Berwick	0.08	0.15	\$18,900	\$37,900	\$56,800
Ogunquit	0.15	0.00	\$37,900	\$0	\$37,900
Old Orchard Beach	3.50	0.13	\$874,100	\$33,100	\$907,200
Parsonsfield	0.59	1.78	\$147,400	\$445,100	\$592,500
Saco	0.91	0.00	\$227,300	\$0	\$227,300
Sanford	0.08	0.32	\$18,900	\$80,500	\$99,400
Shapleigh	0.04	0.02	\$9,500	\$4,700	\$14,200
S. Berwick	1.61	0.00	\$402,500	\$0	\$402,500
Waterboro	0.44	0.11	\$108,900	\$28,400	\$137,300
Wells	0.42	0.00	\$104,200	\$0	\$104,200
York	5.97	3.22	\$1,492,000	\$804,900	\$2,296,900
Total	23.26	8.43	\$5,814,600	\$2,106,900	\$7,921,500

Source: SMRPC

Table C-9

Summary of Road System Flooding Locations*Area Affected: 100 linear feet per occurrence*

	Road Miles by Town		Occurrences per 10 Yrs		Mileage Affected		% of Miles Affected	
	In FIRM	Not In FIRM	In FIRM	Not In FIRM	In FIRM	Not In FIRM	In FIRM	Not In FIRM
	Floodplain	Floodplain	Floodplain	Floodplain	Floodplain	Floodplain	Floodplain	Floodplain
Acton	1.8	110.6	21	23	0.40	0.44	22.2%	0.4%
Alfred	2.0	91.7	7	2	0.13	0.04	6.6%	0.0%
Arundel	1.1	92.7	50	10	0.95	0.19	84.4%	0.2%
Berwick	2.6	114.9	3	0	0.06	0.00	2.2%	0.0%
Biddeford	4.2	157.3	10	7	0.19	0.13	4.5%	0.1%
Buxton	4.3	145.1	168	23	3.18	0.44	74.4%	0.3%
Cornish	0.7	71.5	9	5	0.17	0.09	23.1%	0.1%
Dayton	2.5	66.8	17	2	0.32	0.04	12.8%	0.1%
Eliot	1.7	92.1	4	0	0.08	0.00	4.4%	0.0%
Hollis	1.4	124.4	19	0	0.36	0.00	26.1%	0.0%
Kennebunk	3.3	166.1	64	8	1.21	0.15	36.8%	0.1%
Kennebunkport	1.3	77.3	61	0	1.16	0.00	86.0%	0.0%
Kittery	3.7	110.6	39	0	0.74	0.00	19.9%	0.0%
Lebanon	1.9	143.4	8	24	0.15	0.45	7.8%	0.3%
Limerick	0.1	108.5	0	0	0.00	0.00	0.0%	0.0%
Limington	2.6	144.0	19	8	0.36	0.15	14.1%	0.1%
Lyman	1.4	138.7	0	30	0.00	0.57	0.0%	0.4%
Newfield	0.0	100.0	26	0	0.49	0.00	100.0%	0.0%
N. Berwick	0.9	115.4	4	8	0.08	0.15	8.4%	0.1%
Ogunquit	0.7	36.3	8	0	0.15	0.00	20.7%	0.0%
Old Orchard Beach	3.5	62.8	285	7	5.40	0.13	100.0%	0.2%
Parsonsfield	0.6	169.7	47	94	0.89	1.78	100.0%	1.0%
Saco	5.2	162.5	48	0	0.91	0.00	17.5%	0.0%
Sanford	2.5	236.7	4	17	0.08	0.32	3.0%	0.1%
Shapleigh	0.1	131.7	2	1	0.04	0.02	53.8%	0.0%
S. Berwick	2.6	117.1	85	0	1.61	0.00	61.7%	0.0%
Waterboro	1.3	215.7	23	6	0.44	0.11	34.1%	0.1%
Wells	4.8	186.9	22	0	0.42	0.00	8.7%	0.0%
York	6.0	226.4	381	170	7.22	3.22	100.0%	1.4%
Total	64.8	3,716.8	1,434	445	27.16	8.43	41.9%	0.2%

Source: SMRPC

Table C-10

Summary of Road System Flooding Locations

	Acreage in F'plain	Road Miles in F'plain	Road Points in Floodplain			Occurrences in Floodplain			Avg. Occurrences	
			No. of Points	No. in Floodplain	% in Floodplain	Total	No. in Floodplain	% in Floodplain	All Points	Points In Floodplain
Acton	0.6%	1.6%	12	7	58.3%	44	21	47.7%	3.7	3.0
Alfred	1.6%	2.1%	2	1	50.0%	9	7	77.8%	4.5	7.0
Arundel	0.8%	1.2%	10	8	80.0%	60	50	83.3%	6.0	6.3
Berwick	1.3%	2.2%	3	3	100.0%	3	3	100.0%	1.0	1.0
Biddeford	1.7%	2.6%	10	6	60.0%	17	10	58.8%	1.7	1.7
Buxton	0.9%	2.9%	43	40	93.0%	191	168	88.0%	4.4	4.2
Cornish	0.4%	1.0%	3	1	33.3%	14	9	64.3%	4.7	9.0
Dayton	1.2%	3.6%	10	8	80.0%	19	17	89.5%	1.9	2.1
Eliot	1.8%	1.9%	4	4	100.0%	4	4	100.0%	1.0	1.0
Hollis	1.0%	1.1%	19	19	100.0%	19	19	100.0%	1.0	1.0
Kennebunk	1.1%	1.9%	10	8	80.0%	72	64	88.9%	7.2	8.0
Kennebunkport	1.4%	1.7%	7	7	100.0%	61	61	100.0%	8.7	8.7
Kittery	2.9%	3.3%	6	6	100.0%	39	39	100.0%	6.5	6.5
Lebanon	0.4%	1.3%	8	4	50.0%	32	8	25.0%	4.0	2.0
Limerick	0.5%	0.0%	0	0	NA	0	0	NA	0.0	0.0
Limington	1.3%	1.7%	6	4	66.7%	27	19	70.4%	4.5	4.8
Lyman	2.0%	1.0%	3	0	0.0%	30	0	0.0%	10.0	0.0
Newfield	0.3%	0.0%	6	6	100.0%	26	26	100.0%	4.3	4.3
N. Berwick	0.6%	0.8%	6	1	16.7%	12	4	33.3%	2.0	4.0
Ogunquit	1.0%	2.0%	1	1	100.0%	8	8	100.0%	8.0	8.0
Old Orchard Beach	3.2%	5.3%	76	74	97.4%	292	285	97.6%	3.8	3.9
Parsonsfield	0.4%	0.3%	20	6	30.0%	141	47	33.3%	7.1	7.8
Saco	1.2%	3.1%	15	15	100.0%	48	48	100.0%	3.2	3.2
Sanford	0.9%	1.1%	21	4	19.0%	21	4	19.0%	1.0	1.0
Shapleigh	0.1%	0.1%	3	2	66.7%	3	2	66.7%	1.0	1.0
S. Berwick	0.8%	2.2%	17	17	100.0%	85	85	100.0%	5.0	5.0
Waterboro	1.3%	0.6%	13	7	53.8%	29	23	79.3%	2.2	3.3
Wells	1.2%	2.5%	7	7	100.0%	22	22	100.0%	3.1	3.1
York	1.1%	2.6%	76	55	72.4%	551	381	69.1%	7.3	6.9
Total	1.0%	1.7%	417	321	77.0%	1,879	1,434	76.3%	4.5	4.5

Source: SMRPC

Table C-11

Floods per 10 Years

	Road Flooding	Sewer Flooding	Total Flooding	Avg Per Year
Acton	44	na	44	4.4
Alfred	9	na	9	0.9
Arundel	60	na	60	6.0
Berwick	3	2	5	0.5
Biddeford	17	5	22	2.2
Buxton	191	na	191	19.1
Cornish	14	na	14	1.4
Dayton	19	na	19	1.9
Eliot	4	na	4	0.4
Hollis	19	na	19	1.9
Kennebunk	72	5	77	7.7
Kennebunkport	61	18	79	7.9
Kittery	39	4	43	4.3
Lebanon	32	na	32	3.2
Limerick	0	0	0	0.0
Limington	27	na	27	2.7
Lyman	30	na	30	3.0
Newfield	26	na	26	2.6
N. Berwick	12	1	13	1.3
Ogunquit	8	5	13	1.3
Old Orchard Beach	292	21	313	31.3
Parsonsfield	141	na	141	14.1
Saco	48	18	66	6.6
Sanford	21	2	23	2.3
Shapleigh	3	na	3	0.3
S. Berwick	85	1	86	8.6
Waterboro	29	na	29	2.9
Wells	22	33	55	5.5
York	551	0	551	55.1
Total	1,879	115	1,994	199.4

Source: SMRPC

Table C-12

Potential Earthquake Losses in York County

	Building Value (\$000)	Expected % of Value Lost			Expected Building Losses (\$000)			
		Slight 10%	Moderate 25%	Extensive 50%	Slight	Moderate	Extensive	TOTAL
Residential	\$7,037,886	4.3%	1.0%	0.0%	\$30,015	\$17,077	\$0	\$47,092
Commercial	\$1,040,761	5.6%	2.3%	0.3%	\$5,785	\$5,893	\$1,377	\$13,055
Industrial*	\$370,843	5.0%	2.1%	0.2%	\$1,854	\$1,936	\$382	\$4,172
Institutional**	\$176,183	5.1%	2.2%	0.2%	\$902	\$972	\$181	\$2,055
TOTAL	\$8,625,673				\$38,556	\$25,877	\$1,941	\$66,374

* Industrial also includes agricultural uses.

** Institutional includes government, non-profit/religious, and educational uses.

Source: HAZUS99; SMRPC

Table C-13

Inventory of Infrastructure by Town

	Mileage of Infrastructure			
	Paved Roads	Unpaved Roads	Electrical Lines	Telephone Lines
Acton	58.1	54.4	0.0	0.0
Alfred	46.6	47.1	6.2	6.2
Arundel	57.0	36.8	9.1	9.1
Berwick	65.2	52.3	2.1	2.1
Biddeford	113.6	47.9	13.9	13.9
Buxton	102.2	47.2	41.4	41.4
Cornish	34.2	38.0	0.0	0.0
Dayton	40.2	29.1	2.1	2.1
Eliot	52.2	41.6	4.9	4.9
Hollis	63.0	62.8	24.3	24.3
Kennebunk	109.5	59.8	27.1	27.1
Kennebunkport	44.5	34.2	5.2	5.2
Kittery	79.6	34.8	4.6	4.6
Lebanon	75.2	70.1	18.3	18.3
Limerick	45.8	62.7	2.4	2.4
Limington	57.2	89.3	10.0	10.0
Lyman	53.8	86.3	0.0	0.0
Newfield	43.5	56.5	0.0	0.0
North Berwick	68.2	48.1	14.8	14.8
Ogunquit	24.0	13.0	3.0	3.0
Old Orchard Beach	50.8	15.5	6.5	6.5
Parsonsfield	60.1	110.2	0.0	0.0
Saco	135.4	32.3	31.2	31.2
Sanford	162.4	76.8	31.0	31.0
Shapleigh	49.6	82.2	9.5	9.5
South Berwick	61.3	58.4	20.2	20.2
Waterboro	74.9	142.1	20.6	20.6
Wells	145.4	46.3	14.5	14.5
York	145.1	87.3	8.7	8.7
Total	2,118.5	1,663.1	331.4	331.4

Source: FEMA; Maine DOT; Central Maine Power Co.;SMRPC

Table C-14

Infrastructure Value by Town

	Losses by Town and Type (\$000)			
	Paved Roads	Unpaved Roads	Electrical Lines	Telephone Lines
Losses per Mile	\$500	\$250	na	\$5,000
Acton	\$29.0	\$13.6	\$0.0	\$0.0
Alfred	\$23.3	\$11.8	\$4,458.4	\$31.2
Arundel	\$28.5	\$9.2	\$3,421.7	\$45.3
Berwick	\$32.6	\$13.1	\$412.7	\$10.3
Biddeford	\$56.8	\$12.0	\$5,038.8	\$69.5
Buxton	\$51.1	\$11.8	\$23,070.0	\$206.8
Cornish	\$17.1	\$9.5	\$0.0	\$0.0
Dayton	\$20.1	\$7.3	\$415.0	\$10.4
Eliot	\$26.1	\$10.4	\$1,861.8	\$24.7
Hollis	\$31.5	\$15.7	\$13,228.4	\$121.5
Kennebunk	\$54.8	\$15.0	\$10,433.8	\$135.6
Kennebunkport	\$22.3	\$8.5	\$1,031.4	\$25.8
Kittery	\$39.8	\$8.7	\$921.2	\$23.0
Lebanon	\$37.6	\$17.5	\$18,277.4	\$91.4
Limerick	\$22.9	\$15.7	\$486.0	\$12.2
Limington	\$28.6	\$22.3	\$1,996.4	\$49.9
Lyman	\$26.9	\$21.6	\$0.0	\$0.0
Newfield	\$21.8	\$14.1	\$0.0	\$0.0
North Berwick	\$34.1	\$12.0	\$4,759.2	\$73.9
Ogunquit	\$12.0	\$3.2	\$598.1	\$15.0
Old Orchard Beach	\$25.4	\$3.9	\$1,294.8	\$32.4
Parsonsfield	\$30.1	\$27.6	\$0.0	\$0.0
Saco	\$67.7	\$8.1	\$10,267.8	\$155.9
Sanford	\$81.2	\$19.2	\$10,250.1	\$154.8
Shapleigh	\$24.8	\$20.5	\$9,549.3	\$47.7
South Berwick	\$30.7	\$14.6	\$8,286.3	\$100.9
Waterboro	\$37.4	\$35.5	\$16,903.0	\$103.1
Wells	\$72.7	\$11.6	\$7,198.8	\$72.3
York	\$72.6	\$21.8	\$1,737.0	\$43.4
Total	\$1,059.3	\$415.8	\$155,897.5	\$1,656.9

Source: FEMA; Maine DOT; SMRPC

Table C-15

Potential Building Losses from Hurricanes/Trop. Storms

	Building Value (\$000)	% Lost	Losses (\$000)
Oceanfront Towns	\$747,402	10%	\$74,740
Coastal Towns	\$4,241,038	5%	\$212,052
Moderately Inland Towns	\$2,719,707	2%	\$54,394
Far Inland Towns	\$917,526	1%	\$9,175
Total	\$8,625,673		\$350,362

Source: SMRPC

Table C-16

Expected Economic Loss from a Hurricane/Tropical Storm

	Output/Day (240 Workdays)	% of Activity Affected	Daily Economic Loss	Total Econ. Loss (30 days)
Oceanfront Towns	\$694,140	10%	\$69,414	\$2,082,400
Coastal Towns	\$13,086,645	5%	\$654,332	\$19,630,000
Moderately Inland Towns	\$5,541,468	2%	\$110,829	\$3,324,900
Far Inland Towns	\$453,786	1%	\$4,538	\$136,100
Total	\$19,776,039		\$839,113	\$25,173,400

Source: SMRPC

Table C-17

Potential Infrastructure Loss from Hurricanes/Trop. Storms

	Infrastructure Value (\$000)	% Lost	Losses (\$000)
Oceanfront Towns	\$1,985	10%	\$198
Coastal Towns	\$37,627	5%	\$1,881
Moderately Inland Towns	\$88,555	2%	\$1,771
Far Inland Towns	\$30,863	1%	\$309
Total	\$159,029		\$4,160

Source: SMRPC

Table C-18

Expected Losses from a Severe Winter Storm

	Total Value (\$000)	Percent Lost	No. of Days	Value of Losses (\$000)
Building Losses	\$8,625,673	2%	na	\$172,513
Infrastructure Losses	\$159,029	2%	na	\$3,181
Economic Losses	\$19,776	2%	10	\$3,955
Total	\$8,804,478			\$179,649

Source: SMRPC

Table C-19

Potential Building Losses from Winter Storms

	Building Value (\$000)	Severe Winter Storm	
		% Lost	Losses (\$000)
Acton	\$146,422	2%	\$2,928
Alfred	\$101,174	2%	\$2,023
Arundel	\$97,231	2%	\$1,945
Berwick	\$201,932	2%	\$4,039
Biddeford	\$1,062,997	2%	\$21,260
Buxton	\$230,351	2%	\$4,607
Cornish	\$60,304	2%	\$1,206
Dayton	\$68,792	2%	\$1,376
Eliot	\$202,306	2%	\$4,046
Hollis	\$125,462	2%	\$2,509
Kennebunk	\$464,502	2%	\$9,290
Kennebunkport	\$279,178	2%	\$5,584
Kittery	\$444,489	2%	\$8,890
Lebanon	\$160,558	2%	\$3,211
Limerick	\$118,059	2%	\$2,361
Limington	\$95,738	2%	\$1,915
Lyman	\$89,474	2%	\$1,789
Newfield	\$80,781	2%	\$1,616
North Berwick	\$160,516	2%	\$3,210
Ogunquit	\$157,269	2%	\$3,145
Old Orchard Beach	\$590,133	2%	\$11,803
Parsonsfield	\$102,070	2%	\$2,041
Saco	\$773,617	2%	\$15,472
Sanford	\$999,308	2%	\$19,986
Shapleigh	\$153,594	2%	\$3,072
South Berwick	\$228,640	2%	\$4,573
Waterboro	\$214,521	2%	\$4,290
Wells	\$523,652	2%	\$10,473
York	\$692,603	2%	\$13,852
COUNTY TOTAL	\$8,625,673		\$172,513

* Industrial also includes agricultural uses.

** Institutional includes government, non-profit/religious, and educational uses.

Source: HAZUS99; SMRPC

Table C-20

Summary of York County MEFIRS Statistics, 1997-2002

Year	No. of Depts. Reptg.	Pop. Reported For	% of Pop. Rept.	Dollar Loss		No. of Fires		False Alarms	
				Total	Per Capita	Total	Per 1,000 People	Total	Per 1,000 People
1997	7	64,900	35%	\$1,094,177	16.86	510	7.86	213	3.28
1998	7	64,900	35%	\$755,450	41.97	267	4.11	213	3.28
1999	9	95,900	51%	\$1,177,863	13.71	3,019	31.48	293	3.06
2000	4	52,600	28%	\$56,500	3.21	3,410	64.83	143	2.72
2001	3	17,500	9%	na	na	51	2.91	25	1.43
2002	7	44,951	24%	\$890,450	46.36	75	1.67	80	1.78

Source: Maine State Office of the Fire Marshal

Table C-21

Participation in MEFIRS (0=sent report, 1=did not)

Fire Dept.	Years						Years Responded	Approximate Pop. Served
	97	98	99	00	01	02		
1. Acton	1	1	1	1	1	0	1	2,100
2. Alfred	1	1	1	0	1	0	2	2,500
3. Arundel	1	1	1	1	0	1	1	3,600
4. Berwick	1	0	0	1	1	0	3	6,400
5. Biddeford	1	1	0	1	1	1	1	21,000
6. Buxton	1	1	0	1	1	1	1	10,000
7. Eliot	0	0	0	1	1	1	3	6,500
8. Goodwins Mills	0	0	0	1	1	1	3	5,000
9. Kennebunk	0	0	1	1	0	0	4	10,500
10. Kennebunkport	1	1	0	1	1	1	1	3,500
11. Kittery	0	1	1	1	1	1	1	10,000
12. Limington	1	1	1	1	0	1	1	3,400
13. Ogunquit	1	1	1	1	1	0	1	1,200
14. Old Orchard B.	1	1	1	0	1	1	1	9,500
15. Saco	0	0	0	1	1	1	3	16,500
16. Sanford	1	1	1	0	1	1	1	23,000
17. Wells	0	1	1	1	1	0	2	9,400
18. York	0	0	0	0	1	0	5	14,000
19. York Beach	1	0	0	1	1	1	2	13,000
Total	7	7	9	4	3	7	37	171,100

Average Towns Responding per Year: 6.17

Average Population Responding per Year: 58,717

Percent of Total County Pop. Responding:

Total Population, 2000: 186,742

Percent Responding: 31.4%

Source: Maine State Office of the Fire Marshal

Table C-22

Per Capita Annual Loss from Urban Fires, 1997-2002

Year	Town	Population Served	Dollar Loss	Loss Per Capita
Large Communities (10,000+ Pop.)				
1999	Biddeford	21,000	\$500,000	\$ 23.81
1997	Saco	16,500	\$389,737	\$ 23.62
1998	Saco	16,500	\$291,650	\$ 17.68
1999	Saco	16,500	\$245,750	\$ 14.89
1997	York	14,000	\$246,350	\$ 17.60
1998	York	14,000	\$154,100	\$ 11.01
1999	York	14,000	\$188,000	\$ 13.43
2000	York	14,000	\$185,000	\$ 13.21
1998	York Beach	13,000	\$62,950	\$ 4.84
2002	York	12,854	\$875,450	\$ 68.11
1997	Kittery	10,000	\$3,000	\$ 0.30
Average Annual Loss per Capita		162,354	\$3,141,987	\$ 19.35
Medium-Sized Communities (6,000-10,000 Pop.)				
1997	Wells	9,400	\$212,120	\$ 22.57
1997	Eliot	6,500	\$33,620	\$ 5.17
1998	Eliot	6,500	\$17,800	\$ 2.74
1999	Eliot	6,500	\$78,110	\$ 12.02
1998	Berwick	6,400	\$63,000	\$ 9.84
1999	Berwick	6,400	\$143,003	\$ 22.34
2002	Berwick	6,353	\$15,000	\$ 2.36
Average Annual Loss per Capita		48,053	\$562,653	\$ 11.71
Small Communities (Under 6,000 Pop.)				
1997	Goodwins Mills	5,000	\$142,500	\$ 28.50
1998	Goodwins Mills	5,000	\$157,000	\$ 31.40
1999	Goodwins Mills	5,000	\$3,000	\$ 0.60
2000	Arundel	3,600	\$56,500	\$ 15.69
1997	Kennebunkport	3,500	\$66,850	\$ 19.10
1998	Kennebunkport	3,500	\$8,950	\$ 2.56
1999	Kennebunkport	3,500	\$20,000	\$ 5.71
Average Annual Loss per Capita		29,100	\$454,800	\$ 15.63

Source: Maine State Office of the Fire Marshal; SMRPC

Table C-23

Expected Urban Fire Loss by Town

Town	Population	Annual Loss Data	
		Per Capita	Total Loss
Acton	2,145	\$15.63	\$33,500
Alfred	2,497	\$15.63	\$39,000
Arundel	3,571	\$15.63	\$55,800
Berwick	6,353	\$11.71	\$74,400
Biddeford	20,942	\$19.35	\$405,300
Buxton	7,452	\$11.71	\$87,300
Cornish	1,269	\$15.63	\$19,800
Dayton	1,805	\$15.63	\$28,200
Eliot	5,954	\$11.71	\$69,700
Hollis	4,114	\$15.63	\$64,300
Kennebunk	10,476	\$19.35	\$202,700
Kennebunkport	3,720	\$15.63	\$58,100
Kittery	9,543	\$19.35	\$184,700
Lebanon	5,083	\$11.71	\$59,500
Limerick	2,240	\$15.63	\$35,000
Limington	3,403	\$15.63	\$53,200
Lyman	3,795	\$15.63	\$59,300
Newfield	1,328	\$15.63	\$20,800
North Berwick	4,293	\$15.63	\$67,100
Ogunquit	1,226	\$15.63	\$19,200
Old Orchard Beach	8,856	\$19.35	\$171,400
Parsonsfield	1,584	\$15.63	\$24,800
Saco	16,822	\$19.35	\$325,600
Sanford	20,806	\$19.35	\$402,700
Shapleigh	2,326	\$15.63	\$36,400
South Berwick	6,671	\$11.71	\$78,100
Waterboro	6,214	\$11.71	\$72,800
Wells	9,400	\$19.35	\$181,900
York	12,854	\$19.35	\$248,800
Total Loss	186,742	\$17.03	\$3,179,400

Source: Maine State Office of the Fire Marshal; SMRPC

Table C-24

York County Wildfire Data, 1995-2001

Town	Number of Fires								Number of Acres Burned							
	1995	1996	1997	1998	1999	2000	2001	Total 1995- 2001	1995	1996	1997	1998	1999	2000	2001	Total 1995- 2001
Acton	1	0	0	0	1	0	4	6	2.0	0.0	0.0	0.0	1.0	0.0	1.7	4.7
Alfred	2	0	1	3	0	1	2	9	0.2	0.0	0.5	2.6	0.0	0.1	1.5	4.9
Arundel	4	0	0	3	0	1	2	10	1.4	0.0	0.0	1.2	0.0	0.0	0.9	3.5
Berwick	1	0	1	2	6	0	5	15	6.0	0.0	0.1	1.2	0.5	0.0	3.0	10.8
Biddeford	0	0	0	0	0	0	1	1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
Buxton	9	4	0	0	0	3	4	20	0.2	0.4	0.0	0.0	0.0	0.3	1.3	2.2
Cornish	0	0	0	5	0	0	1	6	0.0	0.0	0.0	2.1	0.0	0.0	0.3	2.4
Dayton	1	3	2	5	4	1	1	17	0.1	2.6	3.1	1.1	2.6	0.3	2.5	12.3
Eliot	4	0	1	2	0	0	0	7	10.8	0.0	1.0	2.2	0.0	0.0	0.0	14.0
Hollis	3	0	2	2	1	0	2	10	0.3	0.0	3.5	0.3	0.5	0.0	0.1	4.7
Kennebunk	1	0	0	2	2	0	1	6	1.5	0.0	0.0	4.5	2.1	0.0	0.3	8.4
K'port	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kittery	0	2	1	3	2	2	1	11	0.0	2.0	0.5	1.2	4.1	1.0	0.5	9.3
Lebanon	2	2	1	5	0	1	5	16	2.1	2.5	1.0	7.2	0.0	0.3	3.4	16.5
Limerick	0	0	0	2	0	0	0	2	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1
Limington	5	0	0	2	0	0	3	10	4.0	0.0	0.0	0.4	0.0	0.0	0.6	5.0
Lyman	1	4	6	6	1	2	2	22	0.1	1.8	10.2	4.1	0.3	0.8	1.0	18.3
Newfield	0	0	0	1	0	0	0	1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
N. Berwick	0	0	1	10	0	0	4	15	0.0	0.0	0.2	2.8	0.0	0.0	1.2	4.2
Ogunquit	0	0	0	0	0	0	1	1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
Old Orchard	0	9	14	9	2	1	0	35	0.0	3.5	8.9	14.5	5.0	3.8	0.0	35.7
Parsonsfield	0	0	1	1	0	0	1	3	0.0	0.0	0.1	1.0	0.0	0.0	1.0	2.1
Saco	5	0	9	6	1	0	10	31	2.7	0.0	5.0	2.1	0.2	0.0	20.0	30.0
Sanford	3	5	7	2	1	1	4	23	0.7	0.4	0.9	0.3	0.0	0.1	0.4	2.8
Shapleigh	0	0	0	1	0	0	0	1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
S. Berwick	0	0	0	0	1	1	0	2	0.0	0.0	0.0	0.0	4.8	2.0	0.0	6.8
Waterboro	7	0	4	0	0	1	4	16	11.7	0.0	15.4	0.0	0.0	0.6	0.4	28.1
Wells	0	0	0	5	1	0	2	8	0.0	0.0	0.0	4.3	0.2	0.0	0.2	4.7
York	5	2	1	6	0	0	3	17	0.4	0.3	0.5	2.0	0.0	0.0	0.3	3.5
Total	54	31	52	83	23	15	63	321	44.2	13.5	50.9	56.4	21.3	9.2	43.7	239.2

Source: Maine Forest Service

Table C-25

Residential Losses from Wildfire

Municipality	Housing Units	Resid. Value (\$000)	Value per Unit	Density Category		No. of Wildfires, 1995-2001	Residential Loss Factors			Residential Losses	
				Pop./ Sq. Mi.	Category		Density	Past Events	Total	Units	Value (\$000)
Acton	1,910	136,260	\$71,340	56.7	Rural	6	10%	5%	15%	287	\$20,475
Alfred	1,103	78,886	\$71,519	91.8	Rural	9	10%	5%	15%	165	\$11,801
Arundel	1,415	81,668	\$57,716	149.4	Sub-Urban	10	5%	15%	20%	283	\$16,334
Berwick	2,414	179,265	\$74,261	171.2	Sub-Urban	15	5%	15%	20%	483	\$35,868
Biddeford	9,631	801,908	\$83,263	698.1	Urban	1	0%	5%	5%	482	\$40,133
Buxton	2,930	190,705	\$65,087	184.0	Sub-Urban	20	5%	25%	30%	879	\$57,212
Cornish	588	44,411	\$75,529	57.4	Rural	6	10%	5%	15%	88	\$6,647
Dayton	663	68,398	\$103,164	100.8	Sub-Urban	17	5%	15%	20%	133	\$13,721
Eliot	2,418	172,123	\$71,184	302.2	Sub-Urban	7	5%	5%	10%	242	\$17,227
Hollis	1,592	104,007	\$65,331	128.6	Sub-Urban	10	5%	15%	20%	318	\$20,775
Kennebunk	4,985	357,523	\$71,720	298.5	Sub-Urban	6	5%	5%	10%	499	\$35,788
Kennebunkport	2,555	225,150	\$88,121	180.6	Sub-Urban	0	5%	0%	5%	128	\$11,280
Kittery	4,375	362,114	\$82,769	536.1	Urban	11	0%	15%	15%	656	\$54,296
Lebanon	2,090	138,511	\$66,273	92.9	Rural	16	10%	15%	25%	523	\$34,661
Limerick	1,279	85,208	\$66,621	82.7	Rural	2	10%	5%	15%	192	\$12,791
Limington	1,354	85,583	\$63,208	81.0	Rural	10	10%	15%	25%	339	\$21,427
Lyman	1,749	88,961	\$50,864	97.6	Rural	22	10%	25%	35%	612	\$31,129
Newfield	939	75,174	\$80,057	41.1	Very Rural	1	25%	5%	30%	282	\$22,576
North Berwick	1,705	125,891	\$73,836	112.1	Sub-Urban	15	5%	15%	20%	341	\$25,178
Ogunquit	2,114	140,140	\$66,291	165.7	Sub-Urban	1	5%	5%	10%	211	\$13,987
Old Orchard Beach	6,222	532,277	\$85,548	2,160.0	Urban	35	0%	35%	35%	2,178	\$186,323
Parsonsfield	996	75,171	\$75,473	26.8	Very Rural	3	25%	5%	30%	299	\$22,566
Saco	7,424	580,891	\$78,245	436.9	Urban	31	0%	35%	35%	2,598	\$203,281
Sanford	8,807	721,140	\$81,883	435.3	Urban	23	0%	25%	25%	2,202	\$180,305
Shapleigh	1,813	142,933	\$78,838	60.1	Rural	1	10%	5%	15%	272	\$21,444
South Berwick	2,488	196,127	\$78,829	207.2	Sub-Urban	2	5%	5%	10%	249	\$19,628
Waterboro	2,828	187,451	\$66,284	112.0	Sub-Urban	16	5%	15%	20%	566	\$37,517
Wells	7,794	466,616	\$59,869	162.9	Sub-Urban	8	5%	5%	10%	779	\$46,638
York	8,053	593,394	\$73,686	234.1	Sub-Urban	17	5%	15%	20%	1,611	\$118,708
County Total	94,234	7,037,886	\$74,685			321				17,897	\$1,339,715

Very Rural	+ 25%	Over 30 Fires +	35%
Semi-Rural	+ 10%	20-29 Fires +	25%
Sub-Urban	+ 5%	10-19 Fires +	15%
		1-9 Fires +	5%

Source: HAZUS; Thorndike Engineering; SMRPC

Table C-26

Non-Residential Losses from Wildfire

Municipality	Value by Category (\$000)				Density Category		No. of Wildfires, 1995-2001	Non-Resid. Loss Factors			Value of Non-Resid. Losses (\$000)
	Commercial	Industrial	Institutional	Total	Pop./ Sq. Mi.	Category		Density	Past Events	Total	
Acton	\$8,015	\$1,264	\$884	\$10,163	56.7	Rural	6	15%	5%	20%	\$2,033
Alfred	\$12,981	\$6,100	\$3,207	\$22,288	91.8	Rural	9	15%	5%	20%	\$4,458
Arundel	\$14,436	\$791	\$336	\$15,563	149.4	Sub-Urban	10	10%	15%	25%	\$3,891
Berwick	\$10,044	\$6,609	\$6,014	\$22,667	171.2	Sub-Urban	15	10%	15%	25%	\$5,667
Biddeford	\$157,375	\$77,591	\$26,123	\$261,089	698.1	Urban	1	5%	5%	10%	\$26,109
Buxton	\$24,258	\$7,216	\$8,172	\$39,646	184.0	Sub-Urban	20	10%	25%	35%	\$13,876
Cornish	\$9,653	\$4,087	\$2,153	\$15,892	57.4	Rural	6	15%	5%	20%	\$3,178
Dayton	\$140	\$0	\$254	\$394	100.8	Sub-Urban	17	10%	15%	25%	\$99
Eliot	\$18,243	\$6,918	\$5,022	\$30,183	302.2	Sub-Urban	7	10%	5%	15%	\$4,527
Hollis	\$11,050	\$7,952	\$2,453	\$21,455	128.6	Sub-Urban	10	10%	15%	25%	\$5,364
Kennebunk	\$79,558	\$18,993	\$8,428	\$106,979	298.5	Sub-Urban	6	10%	5%	15%	\$16,047
Kennebunkport	\$42,646	\$7,629	\$3,753	\$54,028	180.6	Sub-Urban	0	10%	0%	10%	\$5,403
Kittery	\$49,674	\$21,092	\$11,609	\$82,375	536.1	Urban	11	5%	15%	20%	\$16,475
Lebanon	\$12,135	\$6,227	\$3,685	\$22,047	92.9	Rural	16	15%	15%	30%	\$6,614
Limerick	\$11,292	\$18,920	\$2,639	\$32,851	82.7	Rural	2	15%	5%	20%	\$6,570
Limington	\$7,085	\$2,355	\$715	\$10,155	81.0	Rural	10	15%	15%	30%	\$3,047
Lyman	\$183	\$0	\$330	\$513	97.6	Rural	22	15%	25%	40%	\$205
Newfield	\$4,422	\$697	\$488	\$5,607	41.1	Very Rural	1	20%	5%	25%	\$1,402
North Berwick	\$13,343	\$18,163	\$3,119	\$34,625	112.1	Sub-Urban	15	10%	15%	25%	\$8,656
Ogunquit	\$13,491	\$2,356	\$1,282	\$17,130	165.7	Sub-Urban	1	10%	5%	15%	\$2,569
Old Orchard Beach	\$42,253	\$5,073	\$10,530	\$57,856	2,160.0	Urban	35	5%	35%	40%	\$23,142
Parsonsfield	\$16,338	\$6,918	\$3,643	\$26,900	26.8	Very Rural	3	20%	5%	25%	\$6,725
Saco	\$125,857	\$38,929	\$27,940	\$192,726	436.9	Urban	31	5%	35%	40%	\$77,090
Sanford	\$195,509	\$65,287	\$17,372	\$278,168	435.3	Urban	23	5%	25%	30%	\$83,450
Shapleigh	\$8,407	\$1,326	\$927	\$10,661	60.1	Rural	1	15%	5%	20%	\$2,132
South Berwick	\$19,430	\$7,065	\$6,018	\$32,513	207.2	Sub-Urban	2	10%	5%	15%	\$4,877
Waterboro	\$14,911	\$8,701	\$3,458	\$27,070	112.0	Sub-Urban	16	10%	15%	25%	\$6,768
Wells	\$44,920	\$7,846	\$4,270	\$57,035	162.9	Sub-Urban	8	10%	5%	15%	\$8,555
York	\$73,112	\$14,738	\$11,359	\$99,209	234.1	Sub-Urban	17	10%	15%	25%	\$24,802
County Total	\$1,040,761	\$370,843		\$356			321				\$373,731

Very Rural + 25%
Semi-Rural + 10%
Sub-Urban + 5%

Over 30 Fires + 35%
20-29 Fires + 25%
10-19 Fires + 15%
1-9 Fires + 5%

Table C-27

Wildfire Losses by Property Type (\$000)

Municipality	Residential	Commercial	Industrial	Institutional	Total
Acton	\$20,500	\$1,600	\$300	\$200	\$22,600
Alfred	\$11,800	\$2,600	\$1,200	\$600	\$16,200
Arundel	\$16,300	\$3,600	\$200	\$100	\$20,200
Berwick	\$35,900	\$2,500	\$1,700	\$1,500	\$41,600
Biddeford	\$40,100	\$15,700	\$7,800	\$2,600	\$66,200
Buxton	\$57,200	\$8,500	\$2,500	\$2,900	\$71,100
Cornish	\$6,600	\$1,900	\$800	\$400	\$9,700
Dayton	\$13,700	\$0	\$0	\$100	\$13,800
Eliot	\$17,200	\$2,700	\$1,000	\$800	\$21,700
Hollis	\$20,800	\$2,800	\$2,000	\$600	\$26,200
Kennebunk	\$35,800	\$11,900	\$2,800	\$1,300	\$51,800
Kennebunkport	\$11,300	\$4,300	\$800	\$400	\$16,800
Kittery	\$54,300	\$9,900	\$4,200	\$2,300	\$70,700
Lebanon	\$34,700	\$3,600	\$1,900	\$1,100	\$41,300
Limerick	\$12,800	\$2,300	\$3,800	\$500	\$19,400
Limington	\$21,400	\$2,100	\$700	\$200	\$24,400
Lyman	\$31,100	\$100	\$0	\$100	\$31,300
Newfield	\$22,600	\$1,100	\$200	\$100	\$24,000
North Berwick	\$25,200	\$3,300	\$4,500	\$800	\$33,800
Ogunquit	\$14,000	\$2,000	\$400	\$200	\$16,600
Old Orchard Beach	\$186,300	\$16,900	\$2,000	\$4,200	\$209,400
Parsonsfield	\$22,600	\$4,100	\$1,700	\$900	\$29,300
Saco	\$203,300	\$50,300	\$15,600	\$11,200	\$280,400
Sanford	\$180,300	\$58,700	\$19,600	\$5,200	\$263,800
Shapleigh	\$21,400	\$1,700	\$300	\$200	\$23,600
South Berwick	\$19,600	\$2,900	\$1,100	\$900	\$24,500
Waterboro	\$37,500	\$3,700	\$2,200	\$900	\$44,300
Wells	\$46,600	\$6,700	\$1,200	\$600	\$55,100
York	\$118,700	\$18,300	\$3,700	\$2,800	\$143,500
County Total	\$1,339,600	\$245,800	\$84,200	\$43,700	\$1,713,300

Source: HAZUS; Thorndike Engineering; SMRPC

Table C-28

Expected Economic Loss from a Major Wildfire

	Output/Day (240 Workdays)	% of Activity Affected	Daily Economic Loss	Total Econ. Loss (30 days)
Acton	\$41,264	20%	\$8,253	\$247,590
Alfred	\$172,519	20%	\$34,504	\$1,035,120
Arundel	\$194,805	25%	\$48,701	\$1,461,030
Berwick	\$257,070	25%	\$64,268	\$1,928,040
Biddeford	\$3,388,909	10%	\$338,891	\$10,166,730
Buxton	\$239,698	35%	\$83,894	\$2,516,820
Cornish	\$67,639	20%	\$13,528	\$405,840
Dayton	\$41,854	25%	\$10,463	\$313,890
Eliot	\$379,652	15%	\$56,948	\$1,708,440
Hollis	\$106,618	25%	\$26,655	\$799,650
Kennebunk	\$1,554,401	15%	\$233,160	\$6,994,800
Kennebunkport	\$337,881	10%	\$33,788	\$1,013,640
Kittery	\$3,533,208	20%	\$706,642	\$21,199,260
Lebanon	\$83,471	30%	\$25,041	\$751,230
Limerick	\$108,962	20%	\$21,792	\$653,760
Limington	\$45,858	30%	\$13,757	\$412,710
Lyman	\$43,152	40%	\$17,261	\$517,830
Newfield	\$18,122	25%	\$4,531	\$135,930
North Berwick	\$1,132,494	25%	\$283,123	\$8,493,690
Ogunquit	\$333,975	15%	\$50,096	\$1,502,880
Old Orchard Beach	\$360,165	40%	\$144,066	\$4,321,980
Parsonsfield	\$63,156	25%	\$15,789	\$473,670
Saco	\$1,839,716	40%	\$735,886	\$22,076,580
Sanford	\$2,427,458	30%	\$728,237	\$21,847,110
Shapleigh	\$25,315	20%	\$5,063	\$151,890
South Berwick	\$257,049	15%	\$38,557	\$1,156,710
Waterboro	\$289,099	25%	\$72,275	\$2,168,250
Wells	\$1,001,958	15%	\$150,294	\$4,508,820
York	\$1,430,572	25%	\$357,643	\$10,729,290
COUNTY TOTAL	\$19,776,039		\$4,323,106	\$129,693,180

Source: *Covered Employment and Wages, 2002* (U.S. Dept. of Labor); SMRPC

Table C-29

Expected Hazard Losses in York County

Type of Hazard	Monetary Losses				Human Losses		
	Structural/Contents	Infrastructure	Economic	Total Monetary Losses	Minor Injuries	Serious Injuries	Deaths
Earthquake	\$66,374,000	\$27,287,000	\$124,108,000	\$217,769,000	10-50	0-40	0-20
Flood	\$378,371,000	\$6,826,300	\$56,641,340	\$441,838,640	Minimal	Minimal	Minimal
Hurricane/ Tropical Storm	\$350,362,000	\$4,160,000	\$25,173,400	\$379,695,400	100-500	10-100	1-10
Severe Winter Storm	\$172,513,000	\$3,181,000	\$3,955,000	\$179,649,000	Isolated	Minimal	Minimal
Tornado	\$7,175,000	\$0	\$0	\$7,175,000	Minimal	Minimal	Minimal
Urban Fire	\$3,010,200	\$0	\$0	\$3,010,200	250	50	30
Wildfire/ Forest Fire	\$1,713,300,000	\$0	\$129,693,180	\$1,842,993,180	1,000	100	1-10