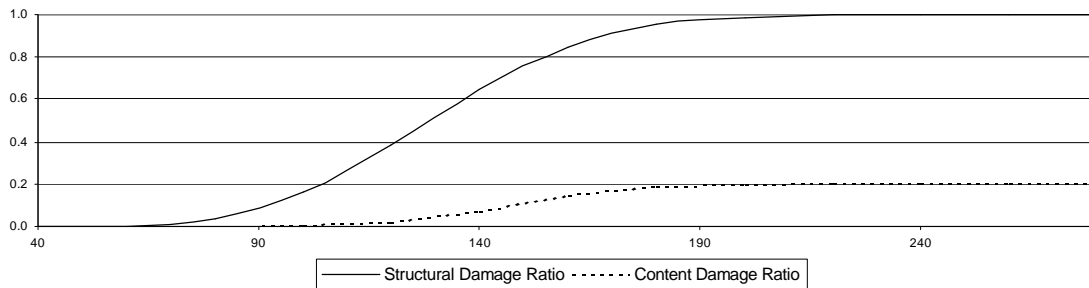


APPENDIX III: SECTION 3.0
VULNERABILITY CURVES FOR ST. LUCIA BUILDINGS

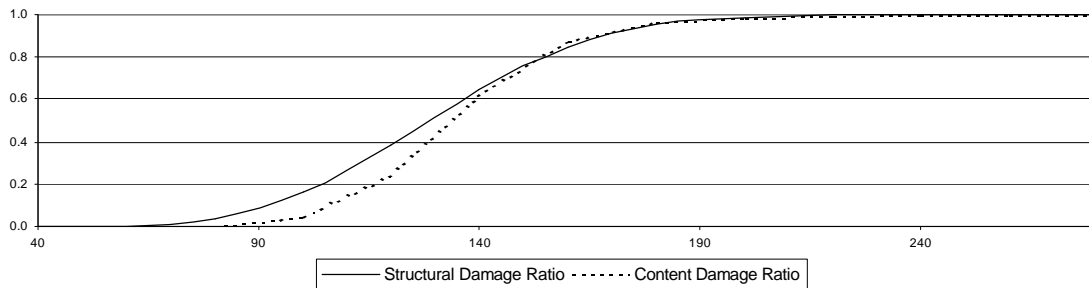
**Table A3-12. Market Buildings in St. Lucia
(Building Type SL-1: 1 – 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012161	0.000000
80	0.039224	0.000068
90	0.088620	0.001046
100	0.161360	0.004238
110	0.260120	0.011304
120	0.386002	0.024109
130	0.523675	0.043474
140	0.649530	0.073061
150	0.757181	0.109279
160	0.846611	0.144582
170	0.912924	0.172486
180	0.952294	0.188174
190	0.972779	0.194947
200	0.986257	0.199595
210	0.994792	0.202973
220	0.998229	0.204687
230	0.998922	0.205498
240	0.999349	0.206268
250	0.999668	0.206916
260	0.999880	0.207383
270	0.999987	0.207626
280	1.000000	0.207657
290	1.000000	0.207657
300	1.000000	0.207657



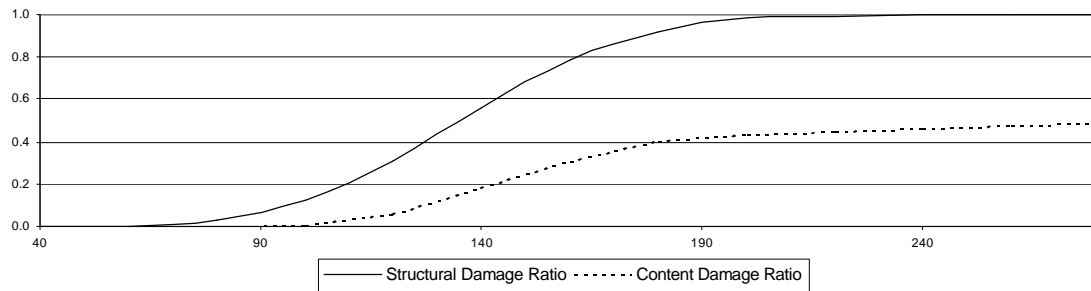
**Table A3-13. Commercial Buildings in St. Lucia
(Building Type SL-2: 1 – 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012161	0.000000
80	0.039224	0.000659
90	0.088620	0.010082
100	0.161360	0.040869
110	0.260120	0.108997
120	0.386002	0.232821
130	0.523675	0.412051
140	0.649530	0.617403
150	0.757181	0.775885
160	0.846611	0.873692
170	0.912924	0.934071
180	0.952294	0.960970
190	0.972779	0.974152
200	0.986257	0.982779
210	0.994792	0.989847
220	0.998229	0.994830
230	0.998922	0.997683
240	0.999349	0.999152
250	0.999668	0.999779
260	0.999880	0.999971
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



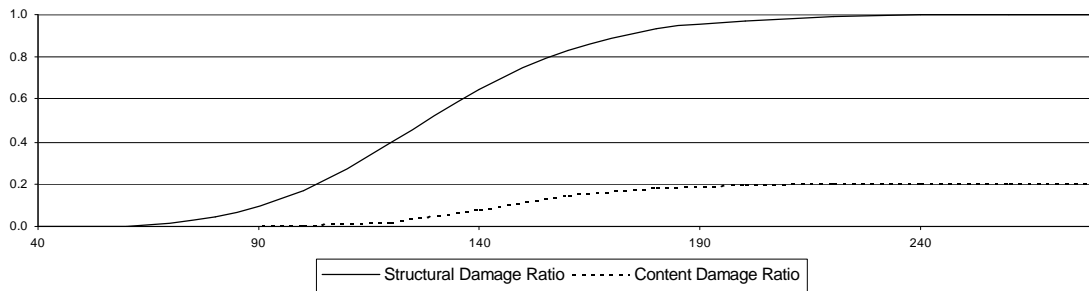
**Table A3-14. Commercial Buildings in St. Lucia
(Building Type SL-3: > 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.000118	0.000000
70	0.006681	0.000000
80	0.025861	0.000022
90	0.065280	0.001682
100	0.125821	0.009059
110	0.208064	0.027176
120	0.312291	0.062432
130	0.434234	0.118073
140	0.561625	0.184254
150	0.682880	0.250658
160	0.784136	0.311622
170	0.864080	0.364026
180	0.922581	0.402672
190	0.960445	0.424551
200	0.982101	0.435238
210	0.990620	0.440868
220	0.993231	0.447404
230	0.995442	0.454754
240	0.997201	0.462638
250	0.998351	0.469792
260	0.999088	0.475796
270	0.999608	0.480563
280	0.999912	0.483442
290	1.000000	0.484258
300	1.000000	0.484258



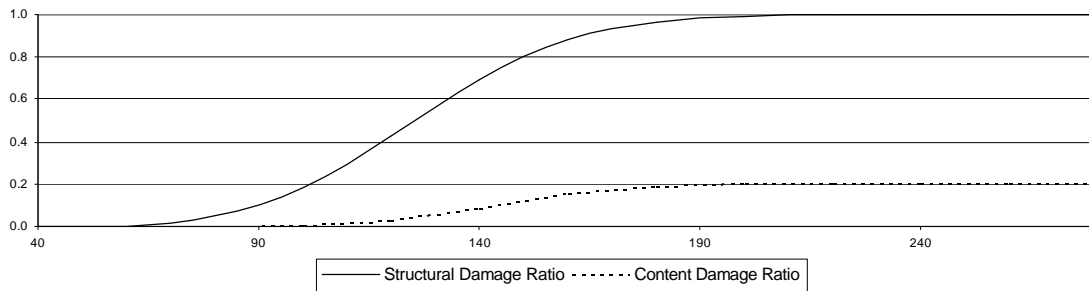
**Table A3-15. Castries, Fisheries Complex in St. Lucia
(Building Type SL-4: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012625	0.000000
80	0.041866	0.000068
90	0.093996	0.001046
100	0.170003	0.004238
110	0.270616	0.011304
120	0.397666	0.024410
130	0.530540	0.047447
140	0.650075	0.078585
150	0.750377	0.113713
160	0.831475	0.145368
170	0.893149	0.168688
180	0.933724	0.182880
190	0.957278	0.189921
200	0.974243	0.195181
210	0.986727	0.199572
220	0.994695	0.202817
230	0.998145	0.204570
240	0.998839	0.205351
250	0.999265	0.206102
260	0.999594	0.206757
270	0.999826	0.207258
280	0.999961	0.207566
290	1.000000	0.207657
300	1.000000	0.207657



**Table A3-16. Sports Complex in St. Lucia
(Building Type SL-5: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.002382	0.000000
70	0.016585	0.000000
80	0.048707	0.000166
90	0.103917	0.001535
100	0.184089	0.005508
110	0.292983	0.013882
120	0.428290	0.028702
130	0.565588	0.052879
140	0.690112	0.085435
150	0.796058	0.122747
160	0.879892	0.156936
170	0.935458	0.180791
180	0.966723	0.193716
190	0.982813	0.199358
200	0.991966	0.202324
210	0.995809	0.203543
220	0.997218	0.204119
230	0.998186	0.204817
240	0.998839	0.205551
250	0.999265	0.206247
260	0.999594	0.206845
270	0.999826	0.207298
280	0.999961	0.207575
290	1.000000	0.207657
300	1.000000	0.207657



**Table A3-17. Marketing Board in St. Lucia
(Building Type SL-6: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001670	0.000000
70	0.015062	0.000000
80	0.045582	0.001357
90	0.100220	0.014924
100	0.183934	0.055668
110	0.297493	0.143963
120	0.438303	0.300131
130	0.583644	0.478443
140	0.716671	0.699386
150	0.826336	0.873720
160	0.906872	0.948694
170	0.958268	0.972521
180	0.981601	0.977621
190	0.990762	0.978594
200	0.993963	0.981219
210	0.995809	0.985844
220	0.997218	0.991418
230	0.998186	0.995412
240	0.998839	0.997818
250	0.999265	0.999124
260	0.999594	0.999732
270	0.999826	0.999951
280	0.999961	0.999998
290	1.000000	1.000000
300	1.000000	1.000000

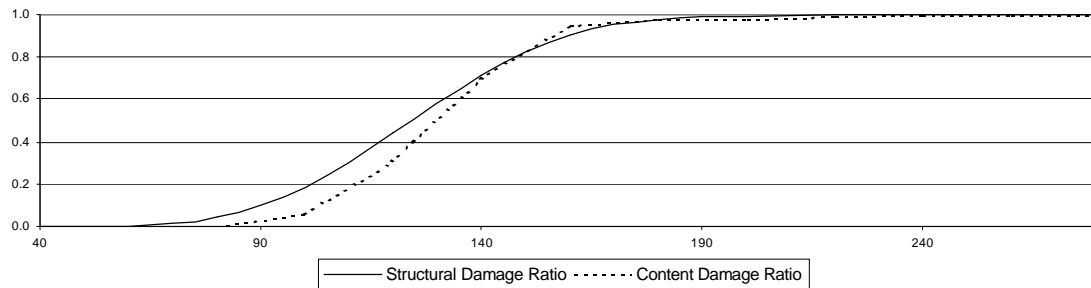
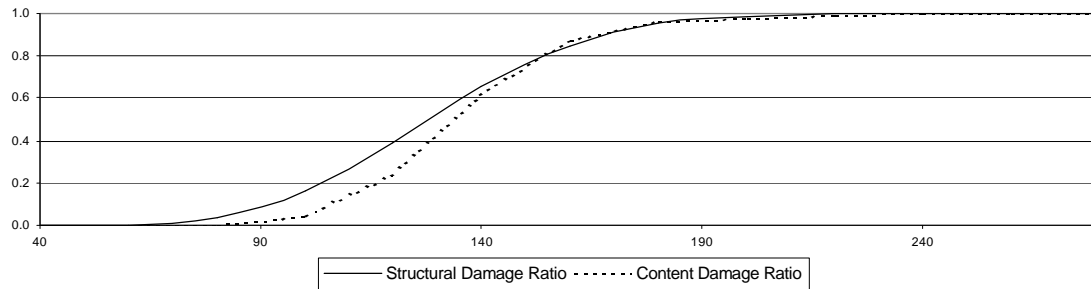


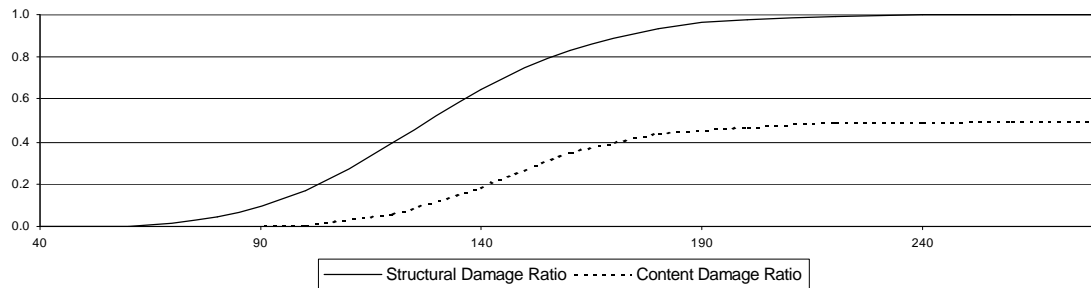
Table A3-18. Water & Sewerage in St. Lucia (Building Type SL-7)

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012161	0.000000
80	0.039224	0.000659
90	0.088620	0.010082
100	0.161360	0.040869
110	0.260169	0.108997
120	0.386352	0.232821
130	0.524598	0.412051
140	0.651267	0.617403
150	0.759590	0.775885
160	0.849139	0.873692
170	0.915029	0.934071
180	0.953635	0.960970
190	0.973381	0.972925
200	0.986245	0.979453
210	0.994336	0.984880
220	0.997618	0.990652
230	0.998318	0.995003
240	0.998840	0.997623
250	0.999265	0.999046
260	0.999594	0.999708
270	0.999826	0.999946
280	0.999961	0.999997
290	1.000000	1.000000
300	1.000000	1.000000



**Table A3-19. Commercial Buildings Owned by Government in St. Lucia
(Building Type SL-8: 1 - 3 Story Commercial Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000000
70	0.012625	0.000000
80	0.041866	0.000156
90	0.093996	0.002393
100	0.170003	0.009700
110	0.270640	0.025870
120	0.397775	0.055978
130	0.530742	0.110894
140	0.650379	0.187045
150	0.750790	0.274079
160	0.832005	0.352434
170	0.893795	0.409106
180	0.934328	0.442910
190	0.957793	0.459096
200	0.974660	0.471201
210	0.987038	0.481562
220	0.994893	0.489277
230	0.998221	0.493551
240	0.998839	0.495566
250	0.999265	0.497476
260	0.999594	0.499126
270	0.999826	0.500381
280	0.999961	0.501111
290	1.000000	0.501317
300	1.000000	0.501317



**Table A3-20. Schools in St. Lucia
(Building Type SL-9: 1 - 3 Story Commercial Wooden)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001116	0.000000
70	0.012251	0.000000
80	0.039474	0.000659
90	0.089109	0.010082
100	0.162198	0.040869
110	0.261490	0.108997
120	0.387899	0.232821
130	0.526113	0.412051
140	0.652659	0.617403
150	0.760893	0.775885
160	0.850630	0.873692
170	0.916757	0.934071
180	0.955420	0.960970
190	0.975096	0.972800
200	0.987763	0.977512
210	0.995487	0.982407
220	0.998392	0.989429
230	0.998924	0.995263
240	0.999349	0.998266
250	0.999668	0.999549
260	0.999880	0.999942
270	0.999987	0.999999
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000

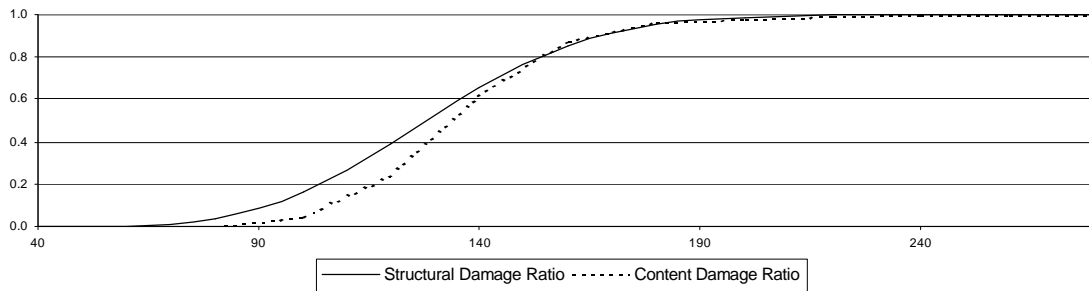
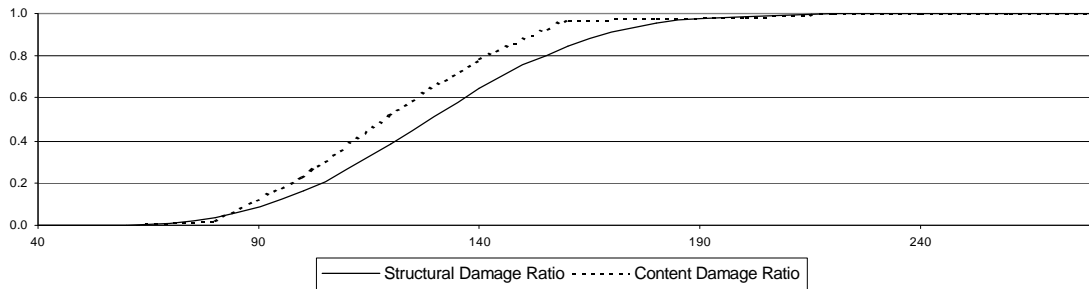


Table A3-21. Airport Buildings in St. Lucia (Building Type SL-10)

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000026
70	0.012161	0.002518
80	0.039224	0.020919
90	0.088620	0.083343
100	0.161360	0.230837
110	0.260120	0.414684
120	0.386002	0.518465
130	0.523675	0.625132
140	0.649530	0.784690
150	0.757181	0.917243
160	0.846611	0.970420
170	0.912924	0.977566
180	0.952294	0.979877
190	0.972779	0.983320
200	0.986257	0.988574
210	0.994792	0.993545
220	0.998229	0.996691
230	0.998922	0.998517
240	0.999349	0.999457
250	0.999668	0.999859
260	0.999880	0.999982
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000



**Table A3-22. Victoria Hospital in St. Lucia
(Building Type SL-11: 1 –3 Story Masonry)**

Wind Speed (mph)	Structural Damage Ratio	Content Damage Ratio
50	0.000000	0.000000
60	0.001106	0.000026
70	0.012161	0.002518
80	0.039224	0.020919
90	0.088620	0.083343
100	0.161360	0.230837
110	0.260120	0.414684
120	0.386002	0.518465
130	0.523675	0.625132
140	0.649530	0.784690
150	0.757181	0.917243
160	0.846611	0.970420
170	0.912924	0.977566
180	0.952294	0.979877
190	0.972779	0.983320
200	0.986257	0.988574
210	0.994792	0.993545
220	0.998229	0.996691
230	0.998922	0.998517
240	0.999349	0.999457
250	0.999668	0.999859
260	0.999880	0.999982
270	0.999987	1.000000
280	1.000000	1.000000
290	1.000000	1.000000
300	1.000000	1.000000

