

***Exhibit C-E***  
***Individual Municipality and Damage Reach Structure Damage***  
***Computations and Maps***

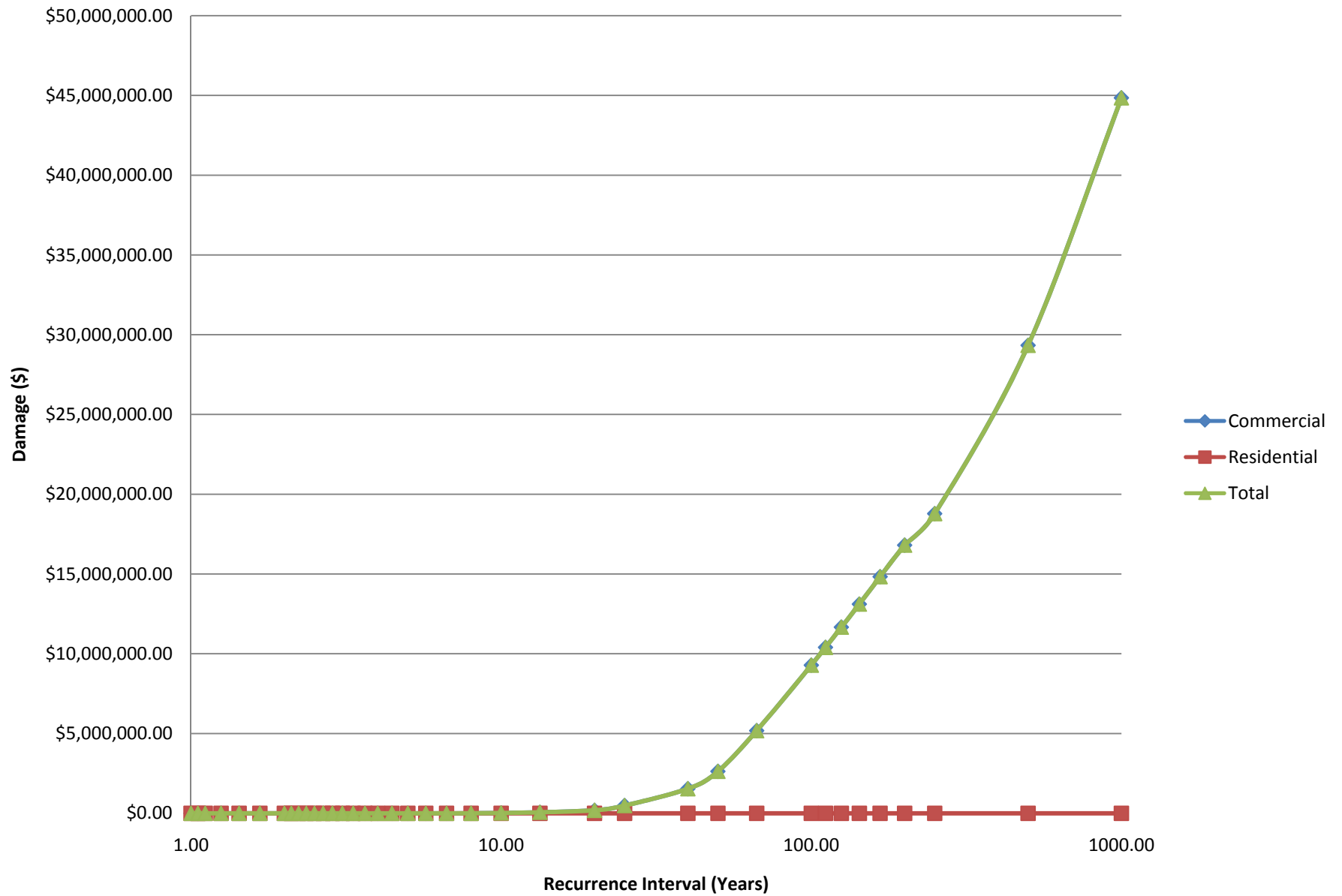
Exhibit C-E tables and graphs represent the damage functions from the HEC-FDA model, version 1.2.4. As previously noted in the above economic appendix text, the subsequent migration to HEC-FDA version 1.2.5 resulted in a slight decrease in damage estimates. This minor difference in the magnitude of damages did not warrant revision of the damage function tables displayed in this exhibit.



Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 2  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$1,000.00	\$0.00	\$1,000.00
8.00	0.1250	\$3,000.00	\$0.00	\$3,000.00
10.00	0.1000	\$21,000.00	\$0.00	\$21,000.00
13.33	0.0750	\$64,000.00	\$0.00	\$64,000.00
20.00	0.0500	\$190,000.00	\$0.00	\$190,000.00
25.00	0.0400	\$487,000.00	\$0.00	\$487,000.00
40.00	0.0250	\$1,544,000.00	\$0.00	\$1,544,000.00
50.00	0.0200	\$2,632,000.00	\$0.00	\$2,632,000.00
66.67	0.0150	\$5,183,000.00	\$0.00	\$5,183,000.00
100.00	0.0100	\$9,289,000.00	\$0.00	\$9,289,000.00
111.11	0.0090	\$10,405,000.00	\$0.00	\$10,405,000.00
125.00	0.0080	\$11,672,000.00	\$0.00	\$11,672,000.00
142.86	0.0070	\$13,116,000.00	\$0.00	\$13,116,000.00
166.67	0.0060	\$14,835,000.00	\$0.00	\$14,835,000.00
200.00	0.0050	\$16,812,000.00	\$0.00	\$16,812,000.00
250.00	0.0040	\$18,789,000.00	\$0.00	\$18,789,000.00
500.00	0.0020	\$29,338,000.00	\$0.00	\$29,338,000.00
1000.00	0.0010	\$44,853,000.00	\$0.00	\$44,853,000.00

## Exceedance Probability - Damage Function, DR-2

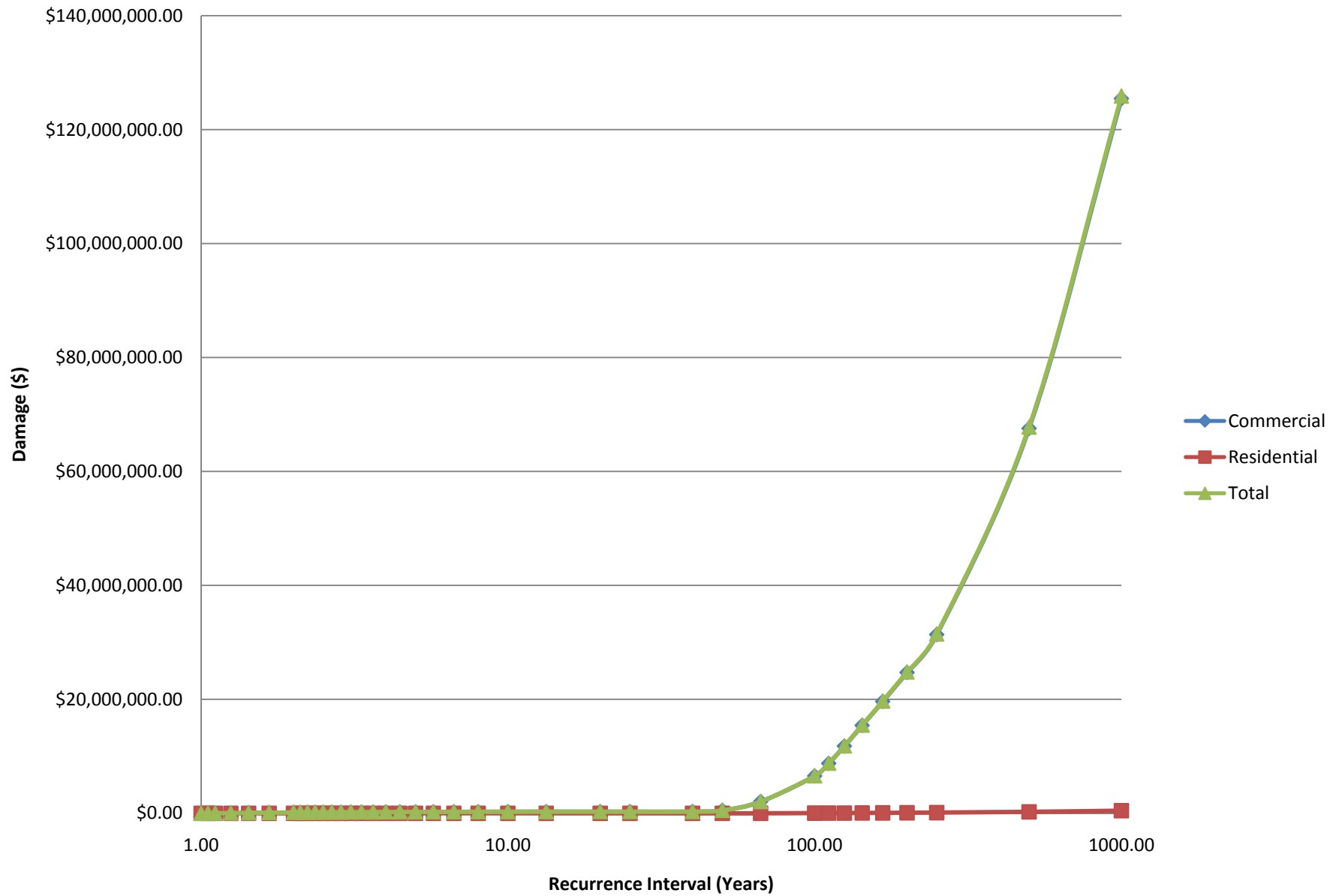




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 4  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$3,000.00	\$0.00	\$3,000.00
1.05	0.9500	\$15,000.00	\$0.00	\$15,000.00
1.11	0.9000	\$30,000.00	\$0.00	\$30,000.00
1.25	0.8000	\$61,000.00	\$0.00	\$61,000.00
1.43	0.7000	\$91,000.00	\$0.00	\$91,000.00
1.67	0.6000	\$122,000.00	\$0.00	\$122,000.00
2.00	0.5000	\$152,000.00	\$1,000.00	\$153,000.00
2.11	0.4750	\$160,000.00	\$1,000.00	\$161,000.00
2.22	0.4500	\$167,000.00	\$1,000.00	\$168,000.00
2.35	0.4250	\$175,000.00	\$1,000.00	\$176,000.00
2.50	0.4000	\$183,000.00	\$1,000.00	\$184,000.00
2.67	0.3750	\$190,000.00	\$1,000.00	\$191,000.00
2.86	0.3500	\$198,000.00	\$1,000.00	\$199,000.00
3.08	0.3250	\$205,000.00	\$1,000.00	\$206,000.00
3.33	0.3000	\$213,000.00	\$1,000.00	\$214,000.00
3.64	0.2750	\$221,000.00	\$1,000.00	\$222,000.00
4.00	0.2500	\$228,000.00	\$1,000.00	\$229,000.00
4.44	0.2250	\$236,000.00	\$1,000.00	\$237,000.00
5.00	0.2000	\$243,000.00	\$1,000.00	\$244,000.00
5.71	0.1750	\$251,000.00	\$1,000.00	\$252,000.00
6.67	0.1500	\$259,000.00	\$1,000.00	\$260,000.00
8.00	0.1250	\$266,000.00	\$1,000.00	\$267,000.00
10.00	0.1000	\$274,000.00	\$1,000.00	\$275,000.00
13.33	0.0750	\$282,000.00	\$1,000.00	\$283,000.00
20.00	0.0500	\$289,000.00	\$1,000.00	\$290,000.00
25.00	0.0400	\$292,000.00	\$1,000.00	\$293,000.00
40.00	0.0250	\$297,000.00	\$1,000.00	\$298,000.00
50.00	0.0200	\$508,000.00	\$2,000.00	\$510,000.00
66.67	0.0150	\$2,050,000.00	\$7,000.00	\$2,057,000.00
100.00	0.0100	\$6,550,000.00	\$24,000.00	\$6,574,000.00
111.11	0.0090	\$8,756,000.00	\$32,000.00	\$8,788,000.00
125.00	0.0080	\$11,793,000.00	\$43,000.00	\$11,836,000.00
142.86	0.0070	\$15,422,000.00	\$56,000.00	\$15,478,000.00
166.67	0.0060	\$19,621,000.00	\$71,000.00	\$19,692,000.00
200.00	0.0050	\$24,711,000.00	\$89,000.00	\$24,800,000.00
250.00	0.0040	\$31,364,000.00	\$113,000.00	\$31,477,000.00
500.00	0.0020	\$67,548,000.00	\$244,000.00	\$67,792,000.00
1000.00	0.0010	\$125,448,000.00	\$453,000.00	\$125,901,000.00

## Exceedance Probability - Damage Function, DR-4

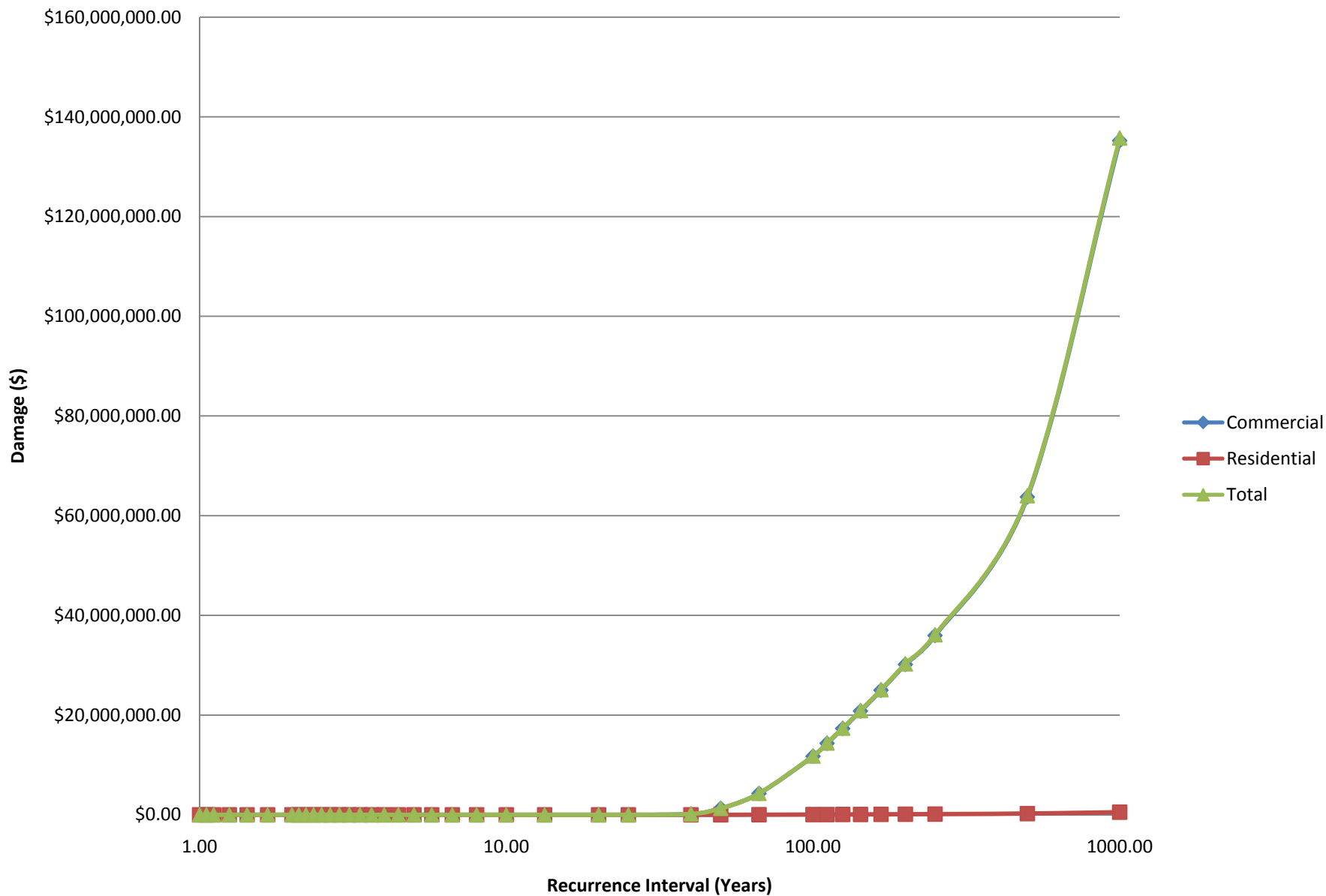




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 5  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$1,000.00	\$0.00	\$1,000.00
40.00	0.0250	\$170,000.00	\$1,000.00	\$171,000.00
50.00	0.0200	\$1,306,000.00	\$5,000.00	\$1,311,000.00
66.67	0.0150	\$4,286,000.00	\$17,000.00	\$4,303,000.00
100.00	0.0100	\$11,746,000.00	\$46,000.00	\$11,792,000.00
111.11	0.0090	\$14,350,000.00	\$56,000.00	\$14,406,000.00
125.00	0.0080	\$17,324,000.00	\$68,000.00	\$17,392,000.00
142.86	0.0070	\$20,824,000.00	\$82,000.00	\$20,906,000.00
166.67	0.0060	\$25,000,000.00	\$98,000.00	\$25,098,000.00
200.00	0.0050	\$30,172,000.00	\$119,000.00	\$30,291,000.00
250.00	0.0040	\$35,978,000.00	\$141,000.00	\$36,119,000.00
500.00	0.0020	\$63,766,000.00	\$251,000.00	\$64,017,000.00
1000.00	0.0010	\$135,240,000.00	\$532,000.00	\$135,772,000.00

### Exceedance Probability - Damage Function, DR-5



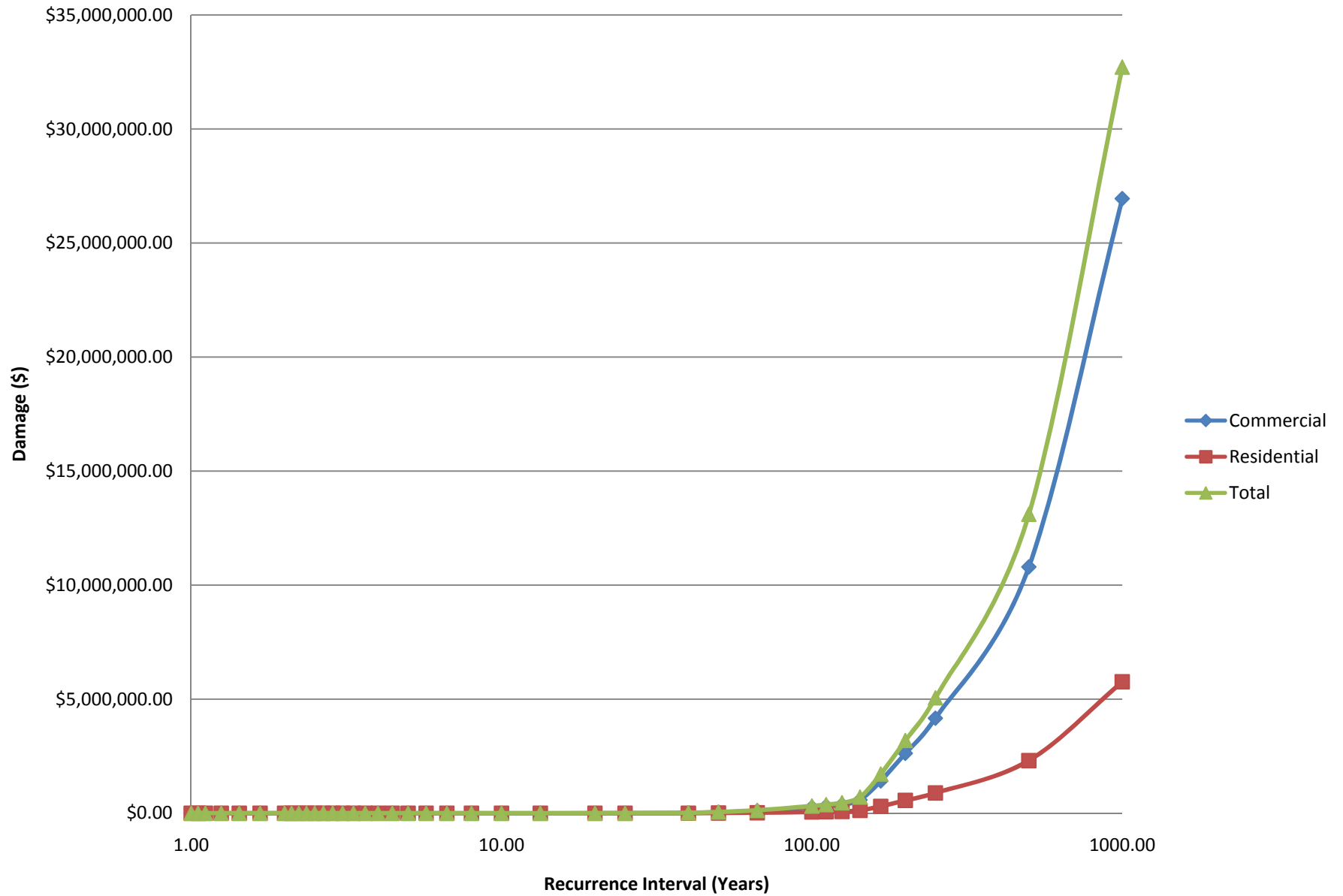




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 6  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$0.00	\$0.00	\$0.00
40.00	0.0250	\$15,000.00	\$3,000.00	\$18,000.00
50.00	0.0200	\$46,000.00	\$10,000.00	\$56,000.00
66.67	0.0150	\$105,000.00	\$23,000.00	\$128,000.00
100.00	0.0100	\$261,000.00	\$56,000.00	\$317,000.00
111.11	0.0090	\$311,000.00	\$66,000.00	\$377,000.00
125.00	0.0080	\$378,000.00	\$81,000.00	\$459,000.00
142.86	0.0070	\$586,000.00	\$125,000.00	\$711,000.00
166.67	0.0060	\$1,417,000.00	\$303,000.00	\$1,720,000.00
200.00	0.0050	\$2,629,000.00	\$562,000.00	\$3,191,000.00
250.00	0.0040	\$4,169,000.00	\$891,000.00	\$5,060,000.00
500.00	0.0020	\$10,800,000.00	\$2,308,000.00	\$13,108,000.00
1000.00	0.0010	\$26,950,000.00	\$5,761,000.00	\$32,711,000.00

## Exceedance Probability - Damage Function, DR-6

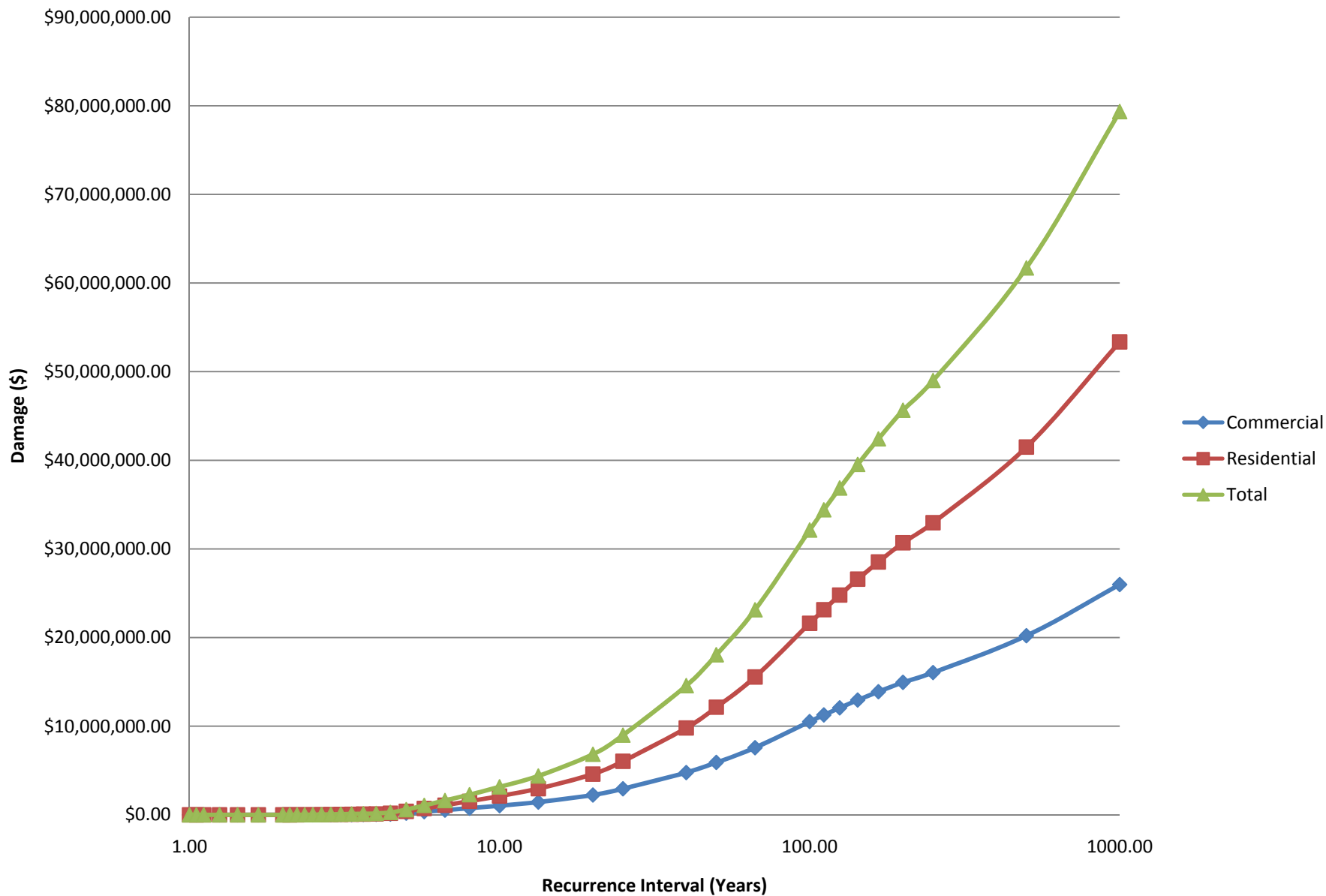




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 7  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$1,000.00	\$1,000.00
1.25	0.8000	\$1,000.00	\$1,000.00	\$2,000.00
1.43	0.7000	\$1,000.00	\$2,000.00	\$3,000.00
1.67	0.6000	\$1,000.00	\$3,000.00	\$4,000.00
2.00	0.5000	\$2,000.00	\$3,000.00	\$5,000.00
2.11	0.4750	\$2,000.00	\$4,000.00	\$6,000.00
2.22	0.4500	\$2,000.00	\$5,000.00	\$7,000.00
2.35	0.4250	\$3,000.00	\$7,000.00	\$10,000.00
2.50	0.4000	\$6,000.00	\$11,000.00	\$17,000.00
2.67	0.3750	\$10,000.00	\$21,000.00	\$31,000.00
2.86	0.3500	\$16,000.00	\$34,000.00	\$50,000.00
3.08	0.3250	\$24,000.00	\$48,000.00	\$72,000.00
3.33	0.3000	\$31,000.00	\$64,000.00	\$95,000.00
3.64	0.2750	\$40,000.00	\$82,000.00	\$122,000.00
4.00	0.2500	\$51,000.00	\$104,000.00	\$155,000.00
4.44	0.2250	\$88,000.00	\$181,000.00	\$269,000.00
5.00	0.2000	\$193,000.00	\$395,000.00	\$588,000.00
5.71	0.1750	\$349,000.00	\$717,000.00	\$1,066,000.00
6.67	0.1500	\$530,000.00	\$1,088,000.00	\$1,618,000.00
8.00	0.1250	\$744,000.00	\$1,528,000.00	\$2,272,000.00
10.00	0.1000	\$1,034,000.00	\$2,124,000.00	\$3,158,000.00
13.33	0.0750	\$1,436,000.00	\$2,949,000.00	\$4,385,000.00
20.00	0.0500	\$2,238,000.00	\$4,598,000.00	\$6,836,000.00
25.00	0.0400	\$2,944,000.00	\$6,048,000.00	\$8,992,000.00
40.00	0.0250	\$4,772,000.00	\$9,804,000.00	\$14,576,000.00
50.00	0.0200	\$5,913,000.00	\$12,147,000.00	\$18,060,000.00
66.67	0.0150	\$7,574,000.00	\$15,558,000.00	\$23,132,000.00
100.00	0.0100	\$10,521,000.00	\$21,612,000.00	\$32,133,000.00
111.11	0.0090	\$11,269,000.00	\$23,149,000.00	\$34,418,000.00
125.00	0.0080	\$12,074,000.00	\$24,803,000.00	\$36,877,000.00
142.86	0.0070	\$12,946,000.00	\$26,594,000.00	\$39,540,000.00
166.67	0.0060	\$13,891,000.00	\$28,535,000.00	\$42,426,000.00
200.00	0.0050	\$14,947,000.00	\$30,704,000.00	\$45,651,000.00
250.00	0.0040	\$16,047,000.00	\$32,964,000.00	\$49,011,000.00
500.00	0.0020	\$20,204,000.00	\$41,502,000.00	\$61,706,000.00
1000.00	0.0010	\$25,980,000.00	\$53,369,000.00	\$79,349,000.00

## Exceedance Probability - Damage Function, DR-7

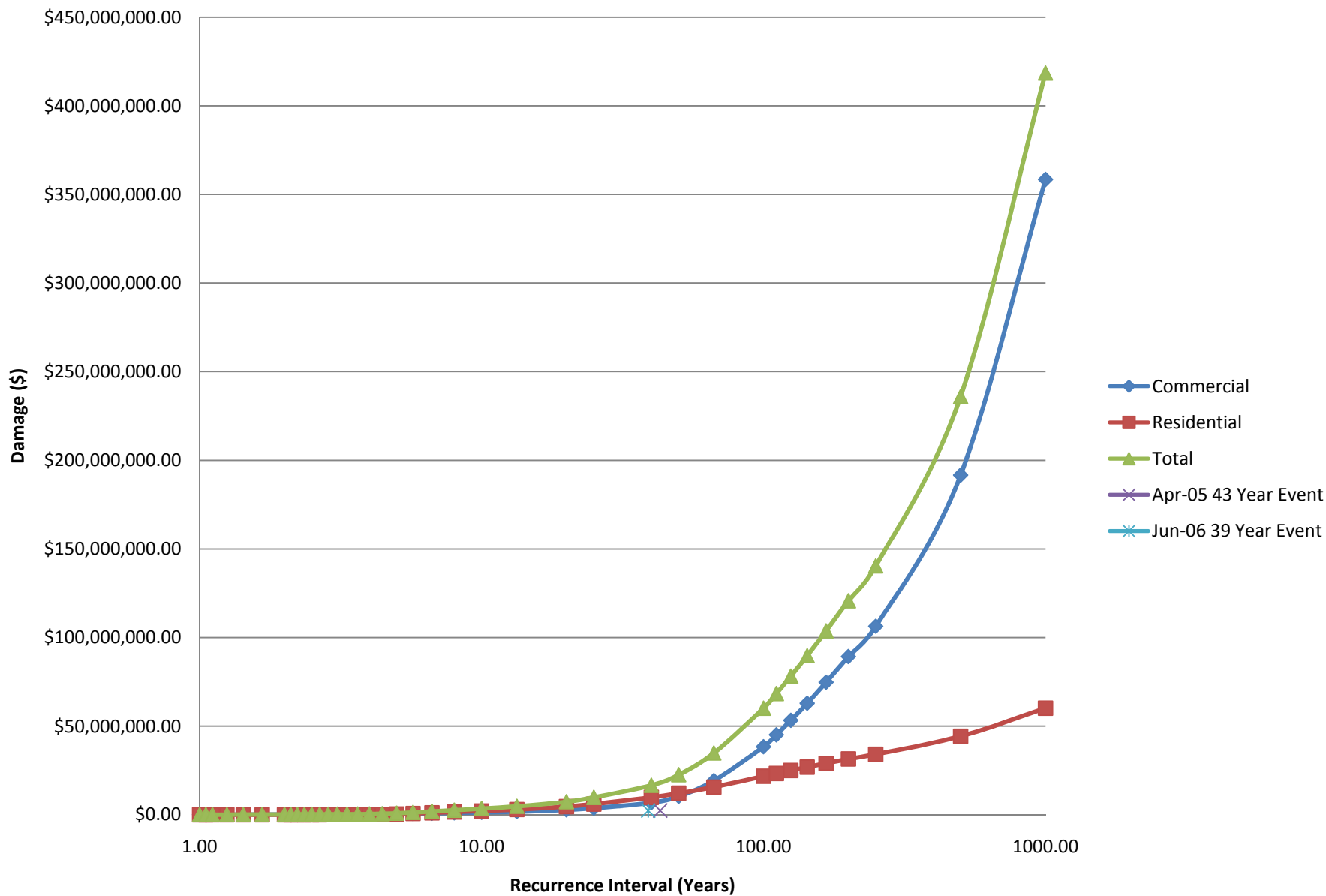


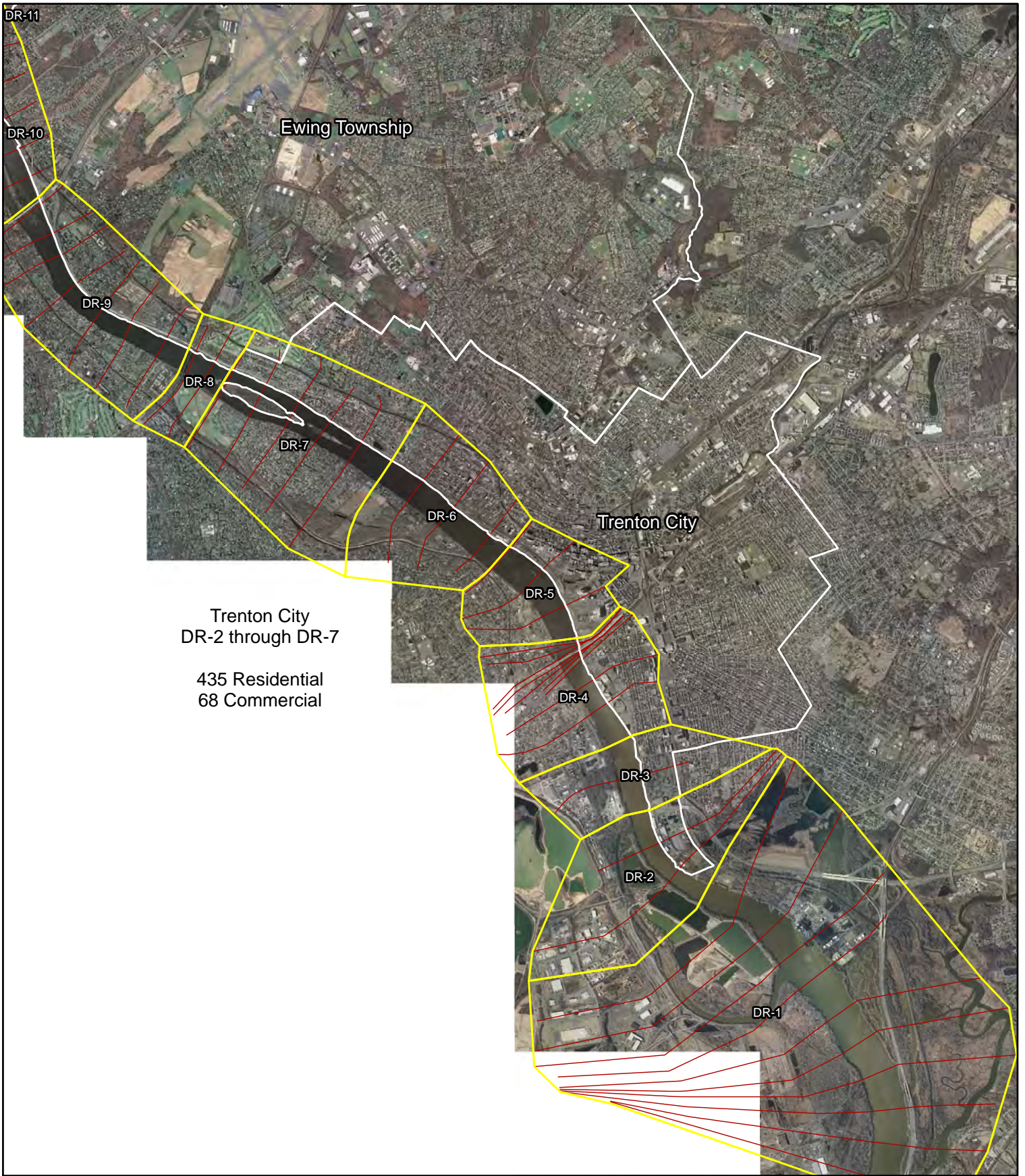


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 City of Trenton, Damage Reaches 1- 7  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$3,000.00	\$0.00	\$3,000.00
1.05	0.9500	\$15,000.00	\$0.00	\$15,000.00
1.11	0.9000	\$30,000.00	\$1,000.00	\$31,000.00
1.25	0.8000	\$62,000.00	\$1,000.00	\$63,000.00
1.43	0.7000	\$92,000.00	\$2,000.00	\$94,000.00
1.67	0.6000	\$123,000.00	\$3,000.00	\$126,000.00
2.00	0.5000	\$154,000.00	\$4,000.00	\$158,000.00
2.11	0.4750	\$162,000.00	\$5,000.00	\$167,000.00
2.22	0.4500	\$169,000.00	\$6,000.00	\$175,000.00
2.35	0.4250	\$178,000.00	\$8,000.00	\$186,000.00
2.50	0.4000	\$189,000.00	\$12,000.00	\$201,000.00
2.67	0.3750	\$200,000.00	\$22,000.00	\$222,000.00
2.86	0.3500	\$214,000.00	\$35,000.00	\$249,000.00
3.08	0.3250	\$229,000.00	\$49,000.00	\$278,000.00
3.33	0.3000	\$244,000.00	\$65,000.00	\$309,000.00
3.64	0.2750	\$261,000.00	\$83,000.00	\$344,000.00
4.00	0.2500	\$279,000.00	\$105,000.00	\$384,000.00
4.44	0.2250	\$324,000.00	\$182,000.00	\$506,000.00
5.00	0.2000	\$436,000.00	\$396,000.00	\$832,000.00
5.71	0.1750	\$600,000.00	\$718,000.00	\$1,318,000.00
6.67	0.1500	\$790,000.00	\$1,089,000.00	\$1,879,000.00
8.00	0.1250	\$1,013,000.00	\$1,529,000.00	\$2,542,000.00
10.00	0.1000	\$1,329,000.00	\$2,125,000.00	\$3,454,000.00
13.33	0.0750	\$1,782,000.00	\$2,950,000.00	\$4,732,000.00
20.00	0.0500	\$2,717,000.00	\$4,599,000.00	\$7,316,000.00
25.00	0.0400	\$3,724,000.00	\$6,049,000.00	\$9,773,000.00
40.00	0.0250	\$6,798,000.00	\$9,809,000.00	\$16,607,000.00
50.00	0.0200	\$10,405,000.00	\$12,164,000.00	\$22,569,000.00
66.67	0.0150	\$19,198,000.00	\$15,605,000.00	\$34,803,000.00
100.00	0.0100	\$38,367,000.00	\$21,738,000.00	\$60,105,000.00
111.11	0.0090	\$45,091,000.00	\$23,303,000.00	\$68,394,000.00
125.00	0.0080	\$53,241,000.00	\$24,995,000.00	\$78,236,000.00
142.86	0.0070	\$62,894,000.00	\$26,857,000.00	\$89,751,000.00
166.67	0.0060	\$74,764,000.00	\$29,007,000.00	\$103,771,000.00
200.00	0.0050	\$89,271,000.00	\$31,474,000.00	\$120,745,000.00
250.00	0.0040	\$106,347,000.00	\$34,109,000.00	\$140,456,000.00
500.00	0.0020	\$191,656,000.00	\$44,305,000.00	\$235,961,000.00
1000.00	0.0010	\$358,471,000.00	\$60,115,000.00	\$418,586,000.00

# Exceedance Probability - Damage Function (Summed), City of Trenton






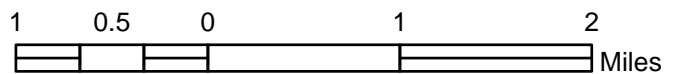


Delaware River Basin, NJ Comprehensive Study  
Trenton City



Legend

-  Damage Reaches
-  Municipalities
-  Cross Section



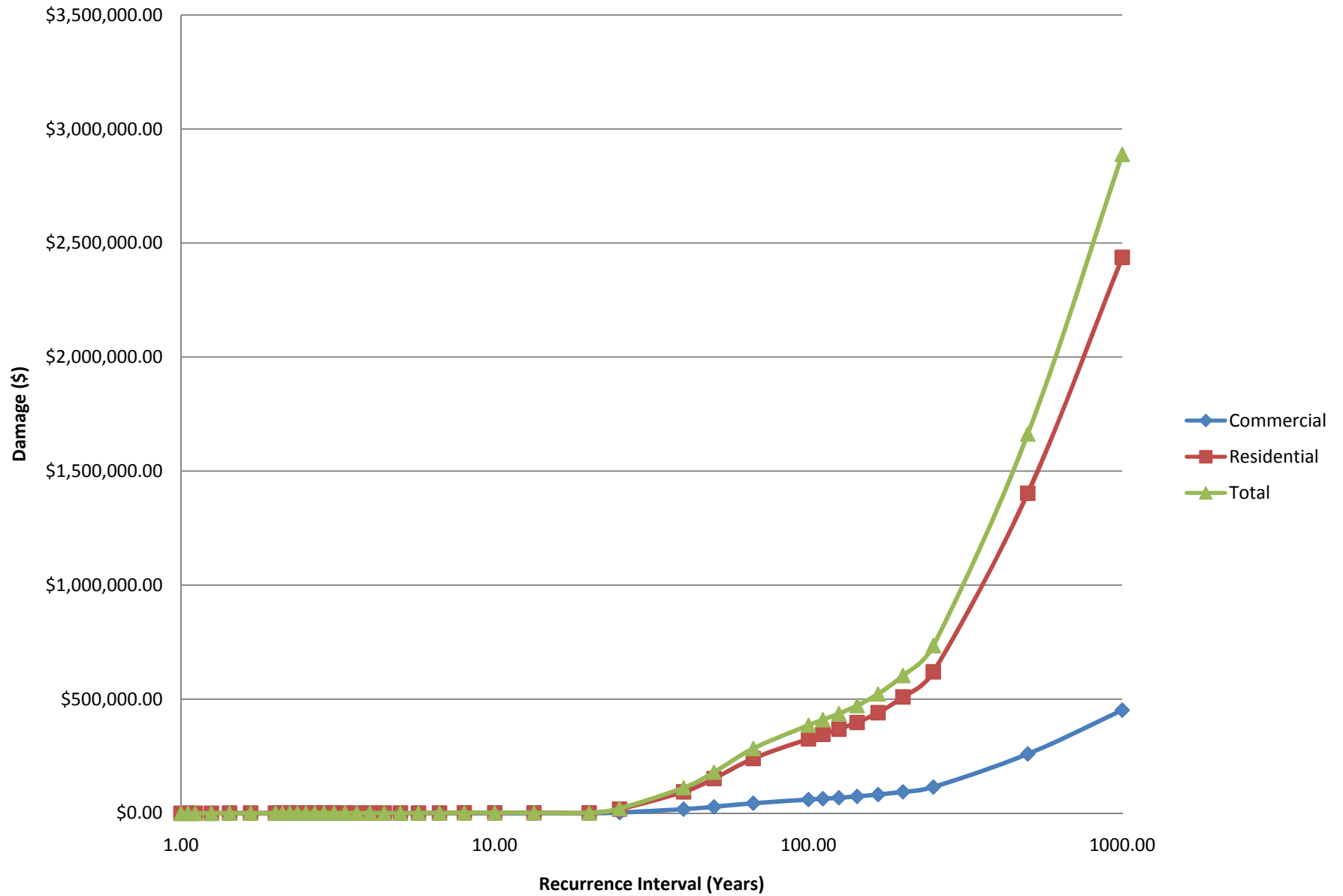


Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 8  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$1,000.00	\$1,000.00
2.86	0.3500	\$0.00	\$1,000.00	\$1,000.00
3.08	0.3250	\$0.00	\$1,000.00	\$1,000.00
3.33	0.3000	\$0.00	\$1,000.00	\$1,000.00
3.64	0.2750	\$0.00	\$1,000.00	\$1,000.00
4.00	0.2500	\$0.00	\$1,000.00	\$1,000.00
4.44	0.2250	\$0.00	\$1,000.00	\$1,000.00
5.00	0.2000	\$0.00	\$1,000.00	\$1,000.00
5.71	0.1750	\$0.00	\$1,000.00	\$1,000.00
6.67	0.1500	\$0.00	\$1,000.00	\$1,000.00
8.00	0.1250	\$0.00	\$2,000.00	\$2,000.00
10.00	0.1000	\$0.00	\$2,000.00	\$2,000.00
13.33	0.0750	\$0.00	\$2,000.00	\$2,000.00
20.00	0.0500	\$0.00	\$2,000.00	\$2,000.00
25.00	0.0400	\$3,000.00	\$18,000.00	\$21,000.00
40.00	0.0250	\$18,000.00	\$94,000.00	\$112,000.00
50.00	0.0200	\$28,000.00	\$152,000.00	\$180,000.00
66.67	0.0150	\$44,000.00	\$240,000.00	\$284,000.00
100.00	0.0100	\$60,000.00	\$326,000.00	\$386,000.00
111.11	0.0090	\$64,000.00	\$346,000.00	\$410,000.00
125.00	0.0080	\$68,000.00	\$369,000.00	\$437,000.00
142.86	0.0070	\$74,000.00	\$398,000.00	\$472,000.00
166.67	0.0060	\$82,000.00	\$441,000.00	\$523,000.00
200.00	0.0050	\$94,000.00	\$510,000.00	\$604,000.00
250.00	0.0040	\$115,000.00	\$620,000.00	\$735,000.00
500.00	0.0020	\$260,000.00	\$1,403,000.00	\$1,663,000.00
1000.00	0.0010	\$452,000.00	\$2,437,000.00	\$2,889,000.00



## Exceedance Probability - Damage Function, DR-8

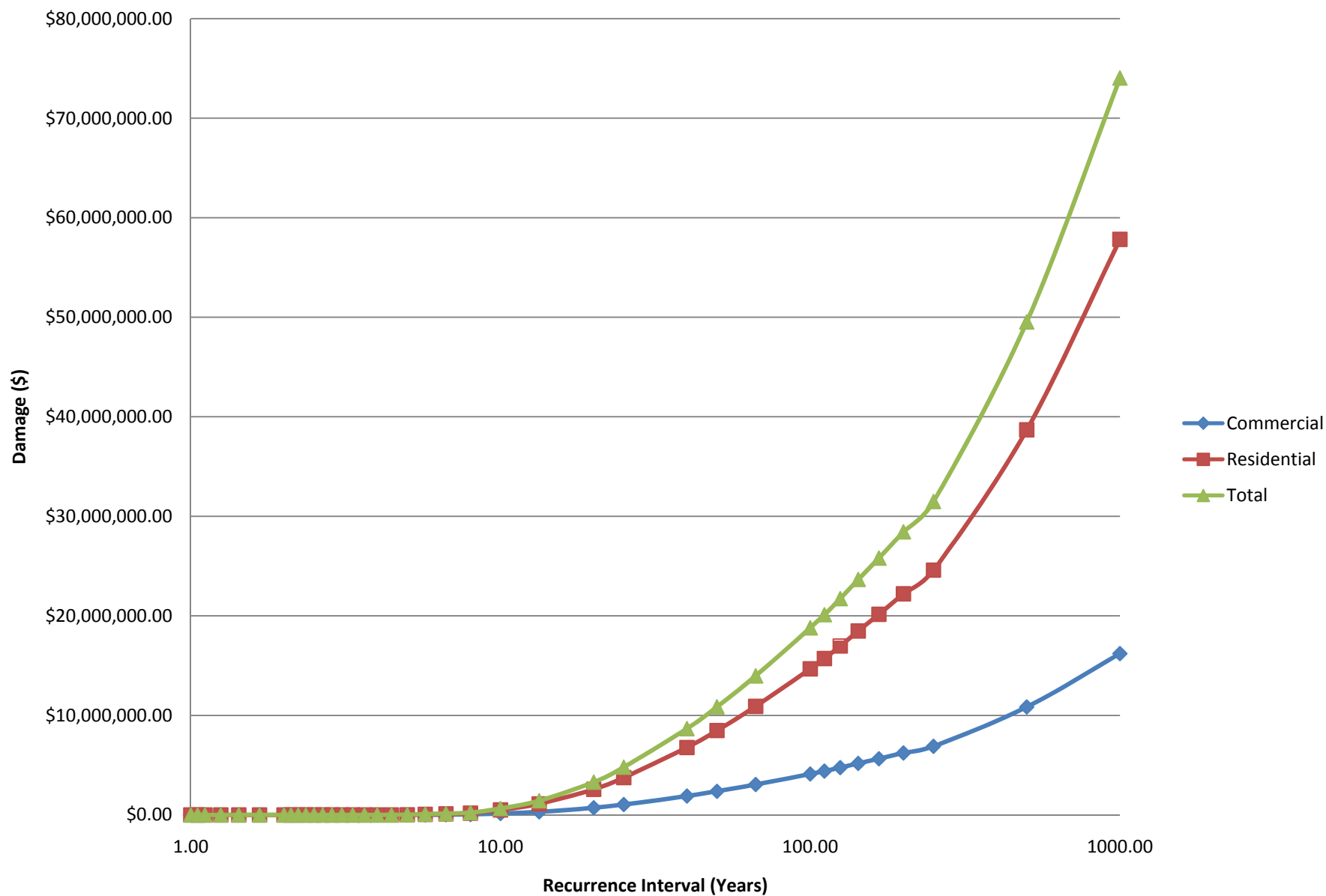




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 9  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$1,000.00	\$1,000.00
4.44	0.2250	\$0.00	\$1,000.00	\$1,000.00
5.00	0.2000	\$6,000.00	\$21,000.00	\$27,000.00
5.71	0.1750	\$17,000.00	\$60,000.00	\$77,000.00
6.67	0.1500	\$30,000.00	\$107,000.00	\$137,000.00
8.00	0.1250	\$51,000.00	\$182,000.00	\$233,000.00
10.00	0.1000	\$142,000.00	\$505,000.00	\$647,000.00
13.33	0.0750	\$313,000.00	\$1,117,000.00	\$1,430,000.00
20.00	0.0500	\$722,000.00	\$2,576,000.00	\$3,298,000.00
25.00	0.0400	\$1,052,000.00	\$3,752,000.00	\$4,804,000.00
40.00	0.0250	\$1,900,000.00	\$6,776,000.00	\$8,676,000.00
50.00	0.0200	\$2,378,000.00	\$8,483,000.00	\$10,861,000.00
66.67	0.0150	\$3,060,000.00	\$10,913,000.00	\$13,973,000.00
100.00	0.0100	\$4,117,000.00	\$14,683,000.00	\$18,800,000.00
111.11	0.0090	\$4,405,000.00	\$15,712,000.00	\$20,117,000.00
125.00	0.0080	\$4,758,000.00	\$16,972,000.00	\$21,730,000.00
142.86	0.0070	\$5,182,000.00	\$18,481,000.00	\$23,663,000.00
166.67	0.0060	\$5,652,000.00	\$20,159,000.00	\$25,811,000.00
200.00	0.0050	\$6,230,000.00	\$22,219,000.00	\$28,449,000.00
250.00	0.0040	\$6,896,000.00	\$24,595,000.00	\$31,491,000.00
500.00	0.0020	\$10,847,000.00	\$38,686,000.00	\$49,533,000.00
1000.00	0.0010	\$16,213,000.00	\$57,825,000.00	\$74,038,000.00

## Exceedance Probability - Damage Function, DR-9

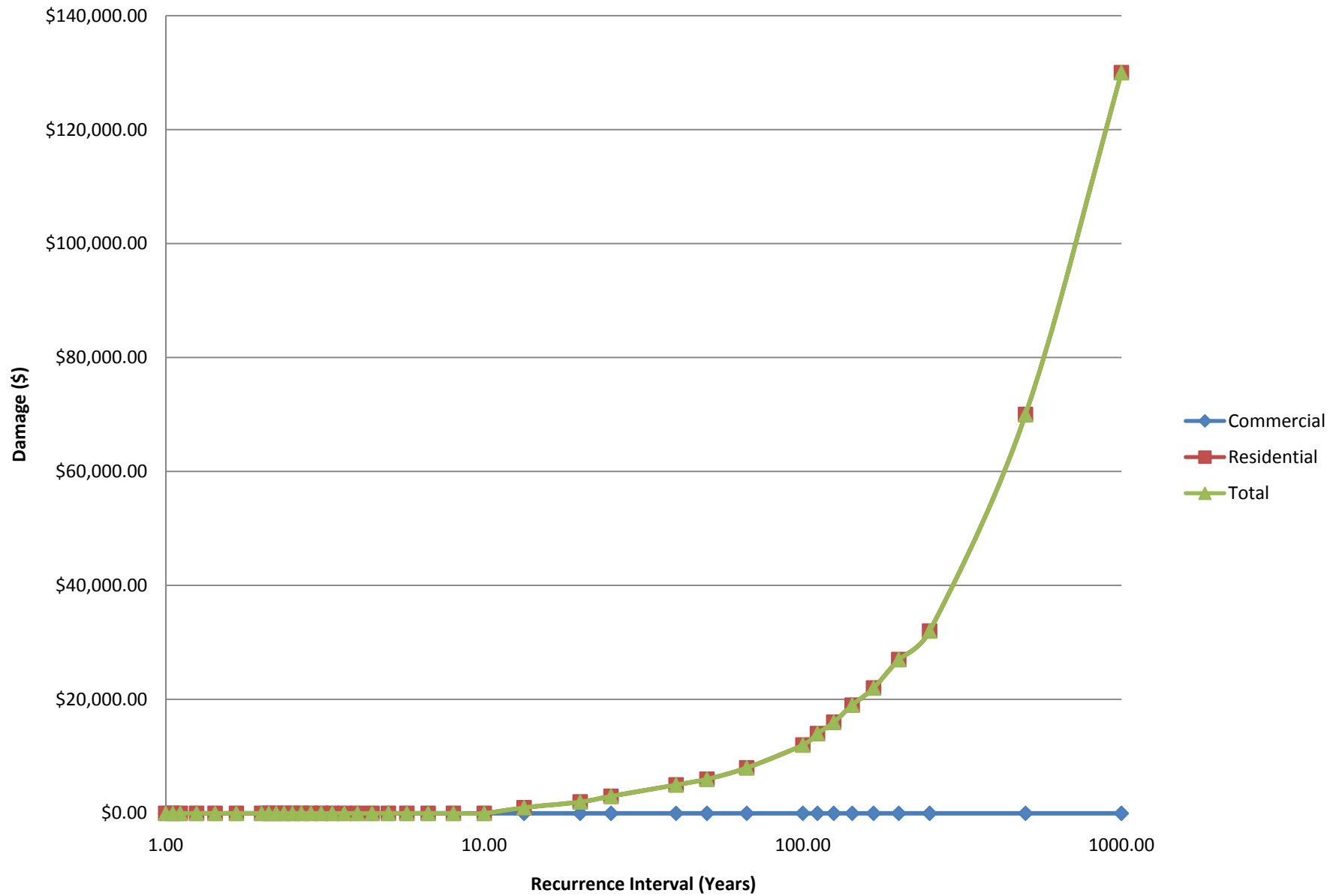




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 10  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$1,000.00	\$1,000.00
20.00	0.0500	\$0.00	\$2,000.00	\$2,000.00
25.00	0.0400	\$0.00	\$3,000.00	\$3,000.00
40.00	0.0250	\$0.00	\$5,000.00	\$5,000.00
50.00	0.0200	\$0.00	\$6,000.00	\$6,000.00
66.67	0.0150	\$0.00	\$8,000.00	\$8,000.00
100.00	0.0100	\$0.00	\$12,000.00	\$12,000.00
111.11	0.0090	\$0.00	\$14,000.00	\$14,000.00
125.00	0.0080	\$0.00	\$16,000.00	\$16,000.00
142.86	0.0070	\$0.00	\$19,000.00	\$19,000.00
166.67	0.0060	\$0.00	\$22,000.00	\$22,000.00
200.00	0.0050	\$0.00	\$27,000.00	\$27,000.00
250.00	0.0040	\$0.00	\$32,000.00	\$32,000.00
500.00	0.0020	\$0.00	\$70,000.00	\$70,000.00
1000.00	0.0010	\$0.00	\$130,000.00	\$130,000.00

## Exceedance Probability - Damage Function, DR-10

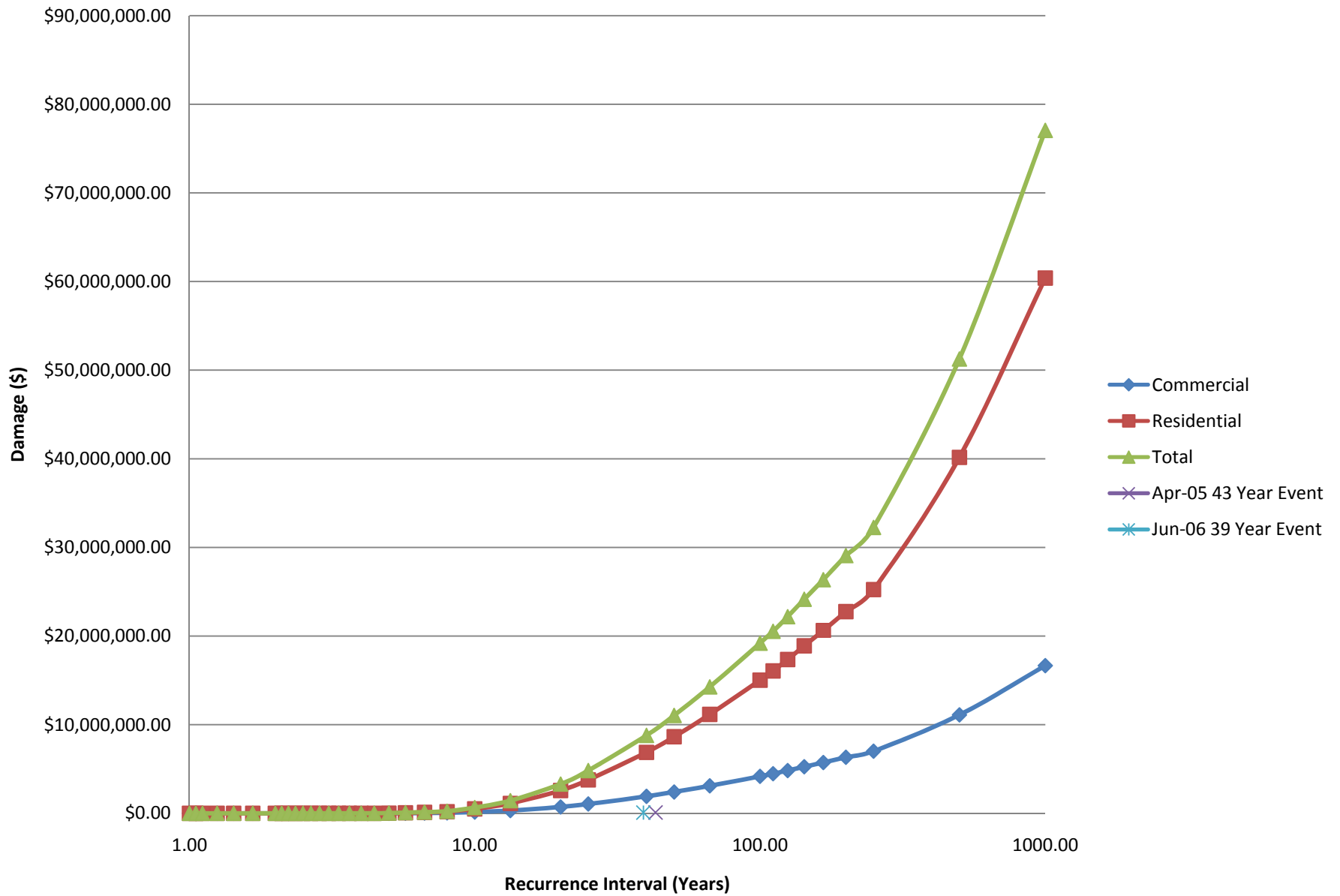


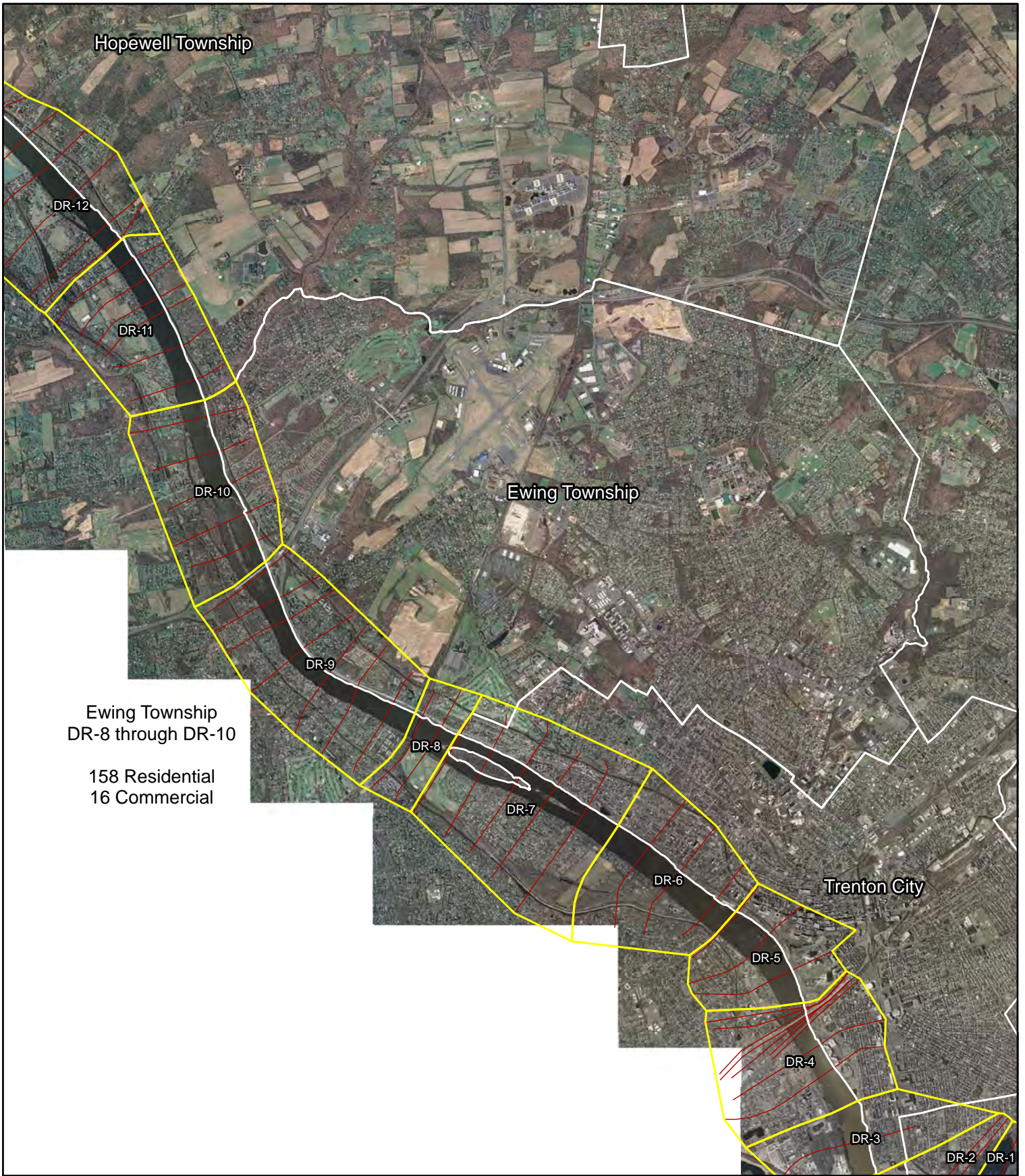


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Ewing Township, Damage Reaches 8-10  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$1,000.00	\$1,000.00
2.86	0.3500	\$0.00	\$1,000.00	\$1,000.00
3.08	0.3250	\$0.00	\$1,000.00	\$1,000.00
3.33	0.3000	\$0.00	\$1,000.00	\$1,000.00
3.64	0.2750	\$0.00	\$1,000.00	\$1,000.00
4.00	0.2500	\$0.00	\$2,000.00	\$2,000.00
4.44	0.2250	\$0.00	\$2,000.00	\$2,000.00
5.00	0.2000	\$6,000.00	\$22,000.00	\$28,000.00
5.71	0.1750	\$17,000.00	\$61,000.00	\$78,000.00
6.67	0.1500	\$30,000.00	\$108,000.00	\$138,000.00
8.00	0.1250	\$51,000.00	\$184,000.00	\$235,000.00
10.00	0.1000	\$142,000.00	\$507,000.00	\$649,000.00
13.33	0.0750	\$313,000.00	\$1,120,000.00	\$1,433,000.00
20.00	0.0500	\$722,000.00	\$2,580,000.00	\$3,302,000.00
25.00	0.0400	\$1,055,000.00	\$3,773,000.00	\$4,828,000.00
40.00	0.0250	\$1,918,000.00	\$6,875,000.00	\$8,793,000.00
50.00	0.0200	\$2,406,000.00	\$8,641,000.00	\$11,047,000.00
66.67	0.0150	\$3,104,000.00	\$11,161,000.00	\$14,265,000.00
100.00	0.0100	\$4,177,000.00	\$15,021,000.00	\$19,198,000.00
111.11	0.0090	\$4,469,000.00	\$16,072,000.00	\$20,541,000.00
125.00	0.0080	\$4,826,000.00	\$17,357,000.00	\$22,183,000.00
142.86	0.0070	\$5,256,000.00	\$18,898,000.00	\$24,154,000.00
166.67	0.0060	\$5,734,000.00	\$20,622,000.00	\$26,356,000.00
200.00	0.0050	\$6,324,000.00	\$22,756,000.00	\$29,080,000.00
250.00	0.0040	\$7,011,000.00	\$25,247,000.00	\$32,258,000.00
500.00	0.0020	\$11,107,000.00	\$40,159,000.00	\$51,266,000.00
1000.00	0.0010	\$16,665,000.00	\$60,392,000.00	\$77,057,000.00

# Exceedance Probability - Damage Function (Summed), Ewing Township





Ewing Township  
DR-8 through DR-10

158 Residential  
16 Commercial

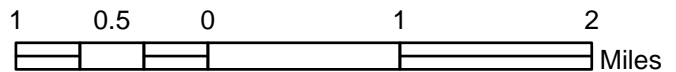


Delaware River Basin, NJ Comprehensive Study  
Ewing Township



Legend

- Damage Reaches
- Municipalities
- Cross Section



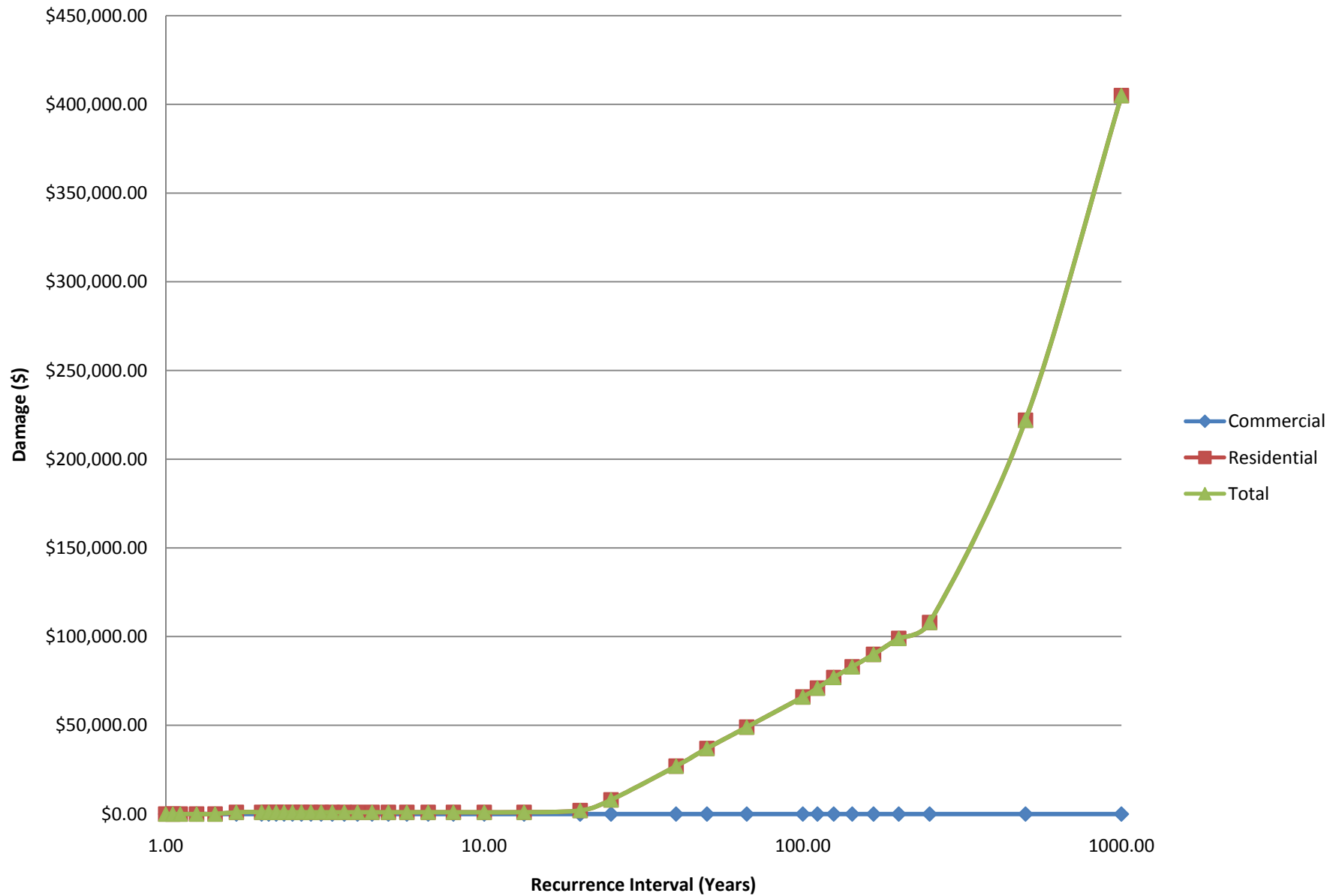




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 11  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$1,000.00	\$1,000.00
2.86	0.3500	\$0.00	\$1,000.00	\$1,000.00
3.08	0.3250	\$0.00	\$1,000.00	\$1,000.00
3.33	0.3000	\$0.00	\$1,000.00	\$1,000.00
3.64	0.2750	\$0.00	\$1,000.00	\$1,000.00
4.00	0.2500	\$0.00	\$1,000.00	\$1,000.00
4.44	0.2250	\$0.00	\$1,000.00	\$1,000.00
5.00	0.2000	\$0.00	\$1,000.00	\$1,000.00
5.71	0.1750	\$0.00	\$1,000.00	\$1,000.00
6.67	0.1500	\$0.00	\$1,000.00	\$1,000.00
8.00	0.1250	\$0.00	\$1,000.00	\$1,000.00
10.00	0.1000	\$0.00	\$1,000.00	\$1,000.00
13.33	0.0750	\$0.00	\$1,000.00	\$1,000.00
20.00	0.0500	\$0.00	\$2,000.00	\$2,000.00
25.00	0.0400	\$0.00	\$8,000.00	\$8,000.00
40.00	0.0250	\$0.00	\$27,000.00	\$27,000.00
50.00	0.0200	\$0.00	\$37,000.00	\$37,000.00
66.67	0.0150	\$0.00	\$49,000.00	\$49,000.00
100.00	0.0100	\$0.00	\$66,000.00	\$66,000.00
111.11	0.0090	\$0.00	\$71,000.00	\$71,000.00
125.00	0.0080	\$0.00	\$77,000.00	\$77,000.00
142.86	0.0070	\$0.00	\$83,000.00	\$83,000.00
166.67	0.0060	\$0.00	\$90,000.00	\$90,000.00
200.00	0.0050	\$0.00	\$99,000.00	\$99,000.00
250.00	0.0040	\$0.00	\$108,000.00	\$108,000.00
500.00	0.0020	\$0.00	\$222,000.00	\$222,000.00
1000.00	0.0010	\$0.00	\$405,000.00	\$405,000.00

## Exceedance Probability - Damage Function, DR-11

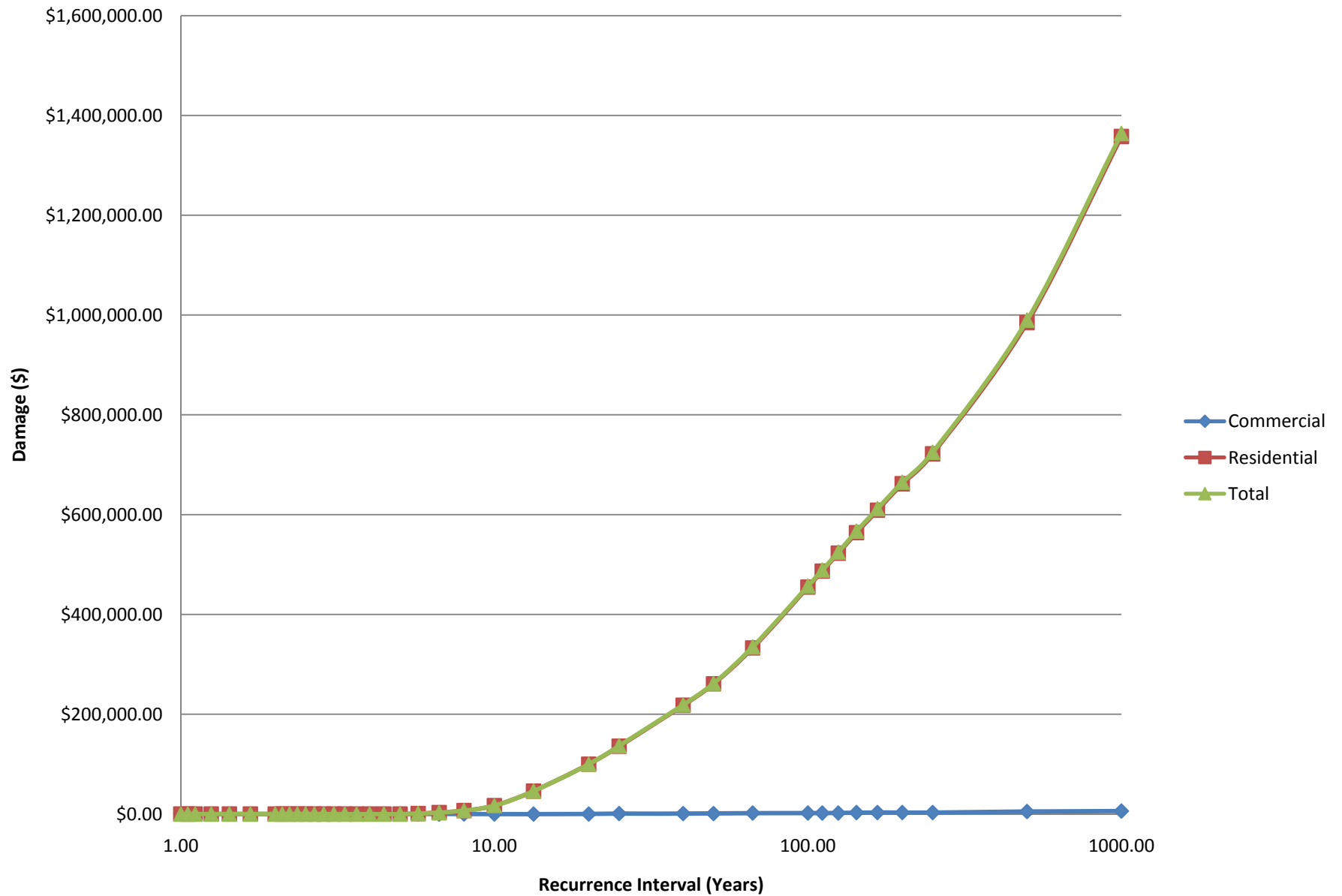




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 12  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$1,000.00	\$1,000.00
6.67	0.1500	\$0.00	\$3,000.00	\$3,000.00
8.00	0.1250	\$0.00	\$7,000.00	\$7,000.00
10.00	0.1000	\$0.00	\$17,000.00	\$17,000.00
13.33	0.0750	\$0.00	\$46,000.00	\$46,000.00
20.00	0.0500	\$0.00	\$100,000.00	\$100,000.00
25.00	0.0400	\$1,000.00	\$136,000.00	\$137,000.00
40.00	0.0250	\$1,000.00	\$218,000.00	\$219,000.00
50.00	0.0200	\$1,000.00	\$261,000.00	\$262,000.00
66.67	0.0150	\$2,000.00	\$333,000.00	\$335,000.00
100.00	0.0100	\$2,000.00	\$455,000.00	\$457,000.00
111.11	0.0090	\$2,000.00	\$487,000.00	\$489,000.00
125.00	0.0080	\$2,000.00	\$523,000.00	\$525,000.00
142.86	0.0070	\$3,000.00	\$564,000.00	\$567,000.00
166.67	0.0060	\$3,000.00	\$609,000.00	\$612,000.00
200.00	0.0050	\$3,000.00	\$662,000.00	\$665,000.00
250.00	0.0040	\$3,000.00	\$722,000.00	\$725,000.00
500.00	0.0020	\$5,000.00	\$985,000.00	\$990,000.00
1000.00	0.0010	\$6,000.00	\$1,358,000.00	\$1,364,000.00

## Exceedance Probability - Damage Function, DR-12

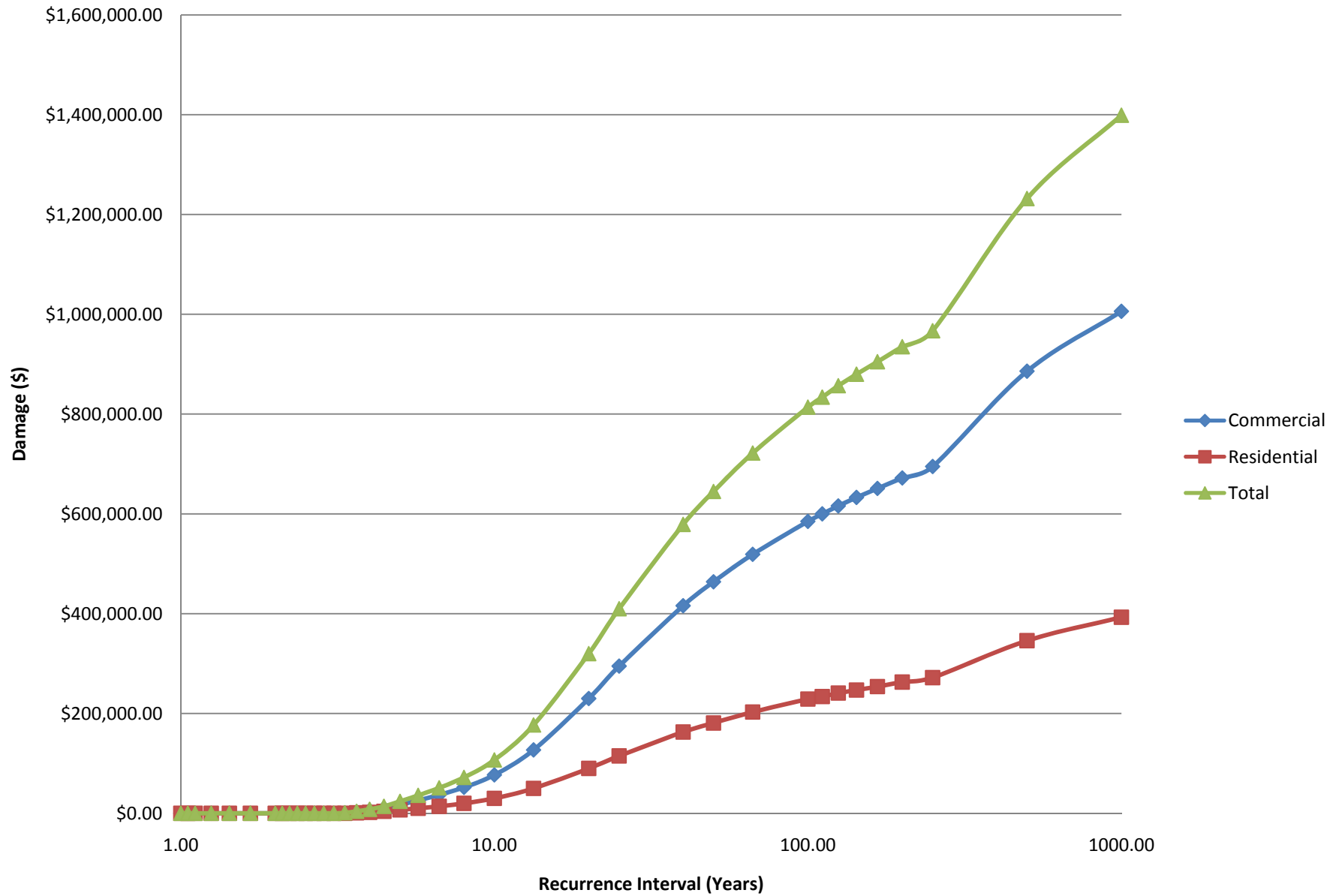




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 14  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$1,000.00	\$0.00	\$1,000.00
3.64	0.2750	\$3,000.00	\$1,000.00	\$4,000.00
4.00	0.2500	\$6,000.00	\$2,000.00	\$8,000.00
4.44	0.2250	\$10,000.00	\$4,000.00	\$14,000.00
5.00	0.2000	\$17,000.00	\$7,000.00	\$24,000.00
5.71	0.1750	\$26,000.00	\$10,000.00	\$36,000.00
6.67	0.1500	\$37,000.00	\$14,000.00	\$51,000.00
8.00	0.1250	\$52,000.00	\$20,000.00	\$72,000.00
10.00	0.1000	\$77,000.00	\$30,000.00	\$107,000.00
13.33	0.0750	\$127,000.00	\$50,000.00	\$177,000.00
20.00	0.0500	\$230,000.00	\$90,000.00	\$320,000.00
25.00	0.0400	\$295,000.00	\$115,000.00	\$410,000.00
40.00	0.0250	\$416,000.00	\$163,000.00	\$579,000.00
50.00	0.0200	\$464,000.00	\$181,000.00	\$645,000.00
66.67	0.0150	\$519,000.00	\$203,000.00	\$722,000.00
100.00	0.0100	\$585,000.00	\$229,000.00	\$814,000.00
111.11	0.0090	\$600,000.00	\$234,000.00	\$834,000.00
125.00	0.0080	\$616,000.00	\$241,000.00	\$857,000.00
142.86	0.0070	\$633,000.00	\$247,000.00	\$880,000.00
166.67	0.0060	\$651,000.00	\$254,000.00	\$905,000.00
200.00	0.0050	\$672,000.00	\$263,000.00	\$935,000.00
250.00	0.0040	\$695,000.00	\$272,000.00	\$967,000.00
500.00	0.0020	\$886,000.00	\$346,000.00	\$1,232,000.00
1000.00	0.0010	\$1,006,000.00	\$393,000.00	\$1,399,000.00

## Exceedance Probability - Damage Function, DR-14

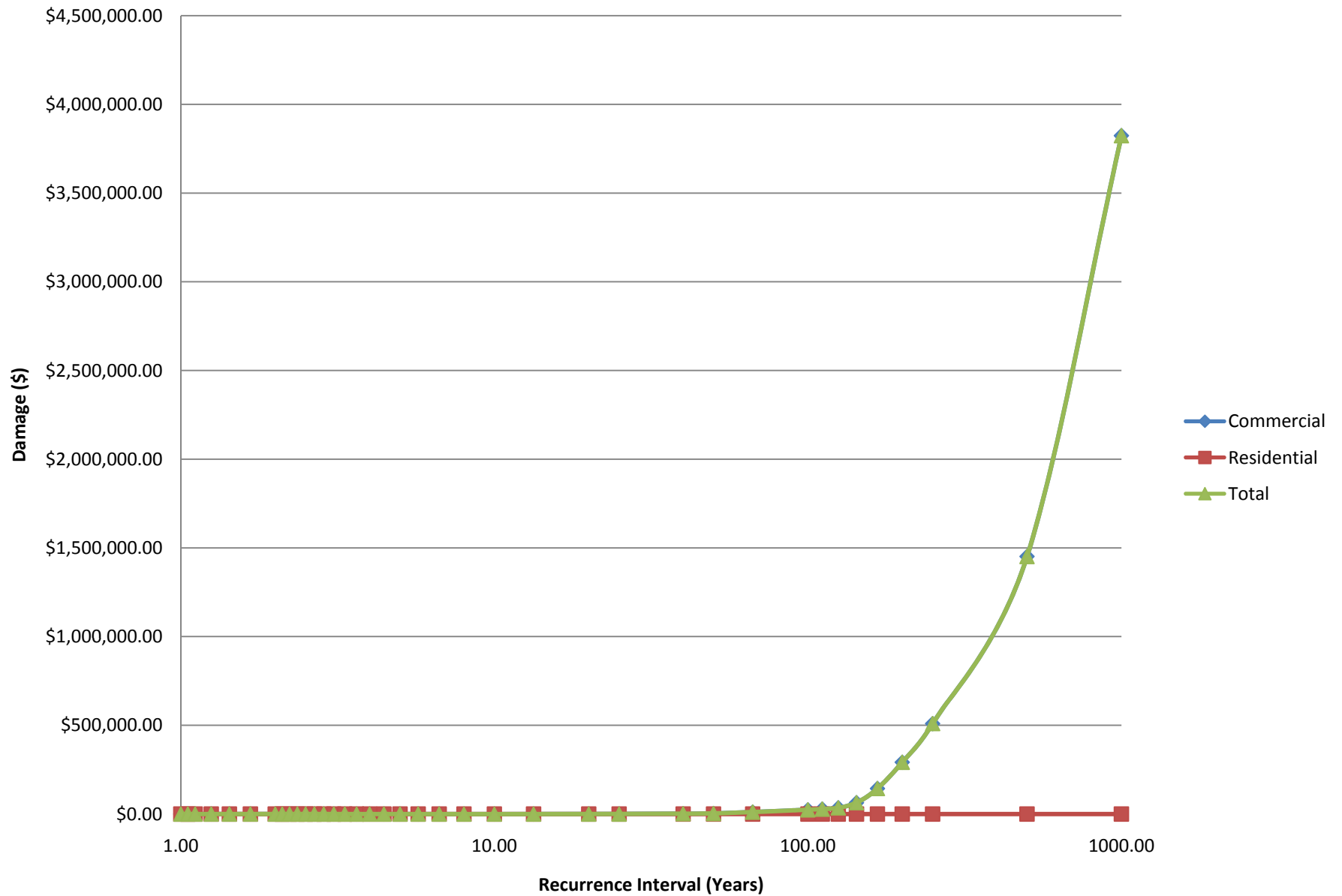




Delaware River Basin  
Exceedance Probability - Damage Functions  
for Damage Reach 16  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$0.00	\$0.00	\$0.00
40.00	0.0250	\$2,000.00	\$0.00	\$2,000.00
50.00	0.0200	\$3,000.00	\$0.00	\$3,000.00
66.67	0.0150	\$11,000.00	\$0.00	\$11,000.00
100.00	0.0100	\$24,000.00	\$0.00	\$24,000.00
111.11	0.0090	\$28,000.00	\$0.00	\$28,000.00
125.00	0.0080	\$35,000.00	\$0.00	\$35,000.00
142.86	0.0070	\$64,000.00	\$0.00	\$64,000.00
166.67	0.0060	\$144,000.00	\$0.00	\$144,000.00
200.00	0.0050	\$292,000.00	\$0.00	\$292,000.00
250.00	0.0040	\$510,000.00	\$0.00	\$510,000.00
500.00	0.0020	\$1,452,000.00	\$0.00	\$1,452,000.00
1000.00	0.0010	\$3,824,000.00	\$0.00	\$3,824,000.00

## Exceedance Probability - Damage Function, DR-16



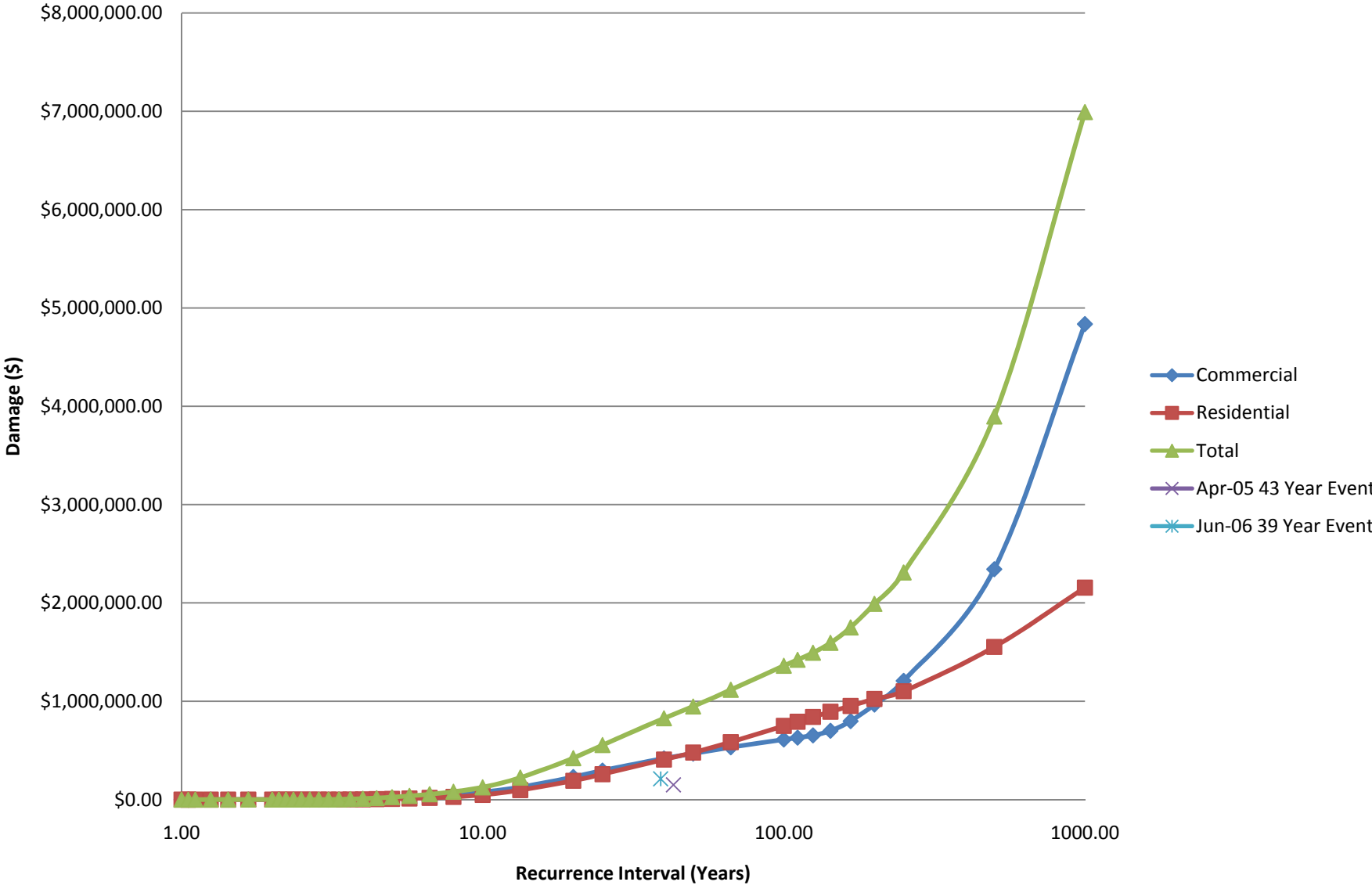


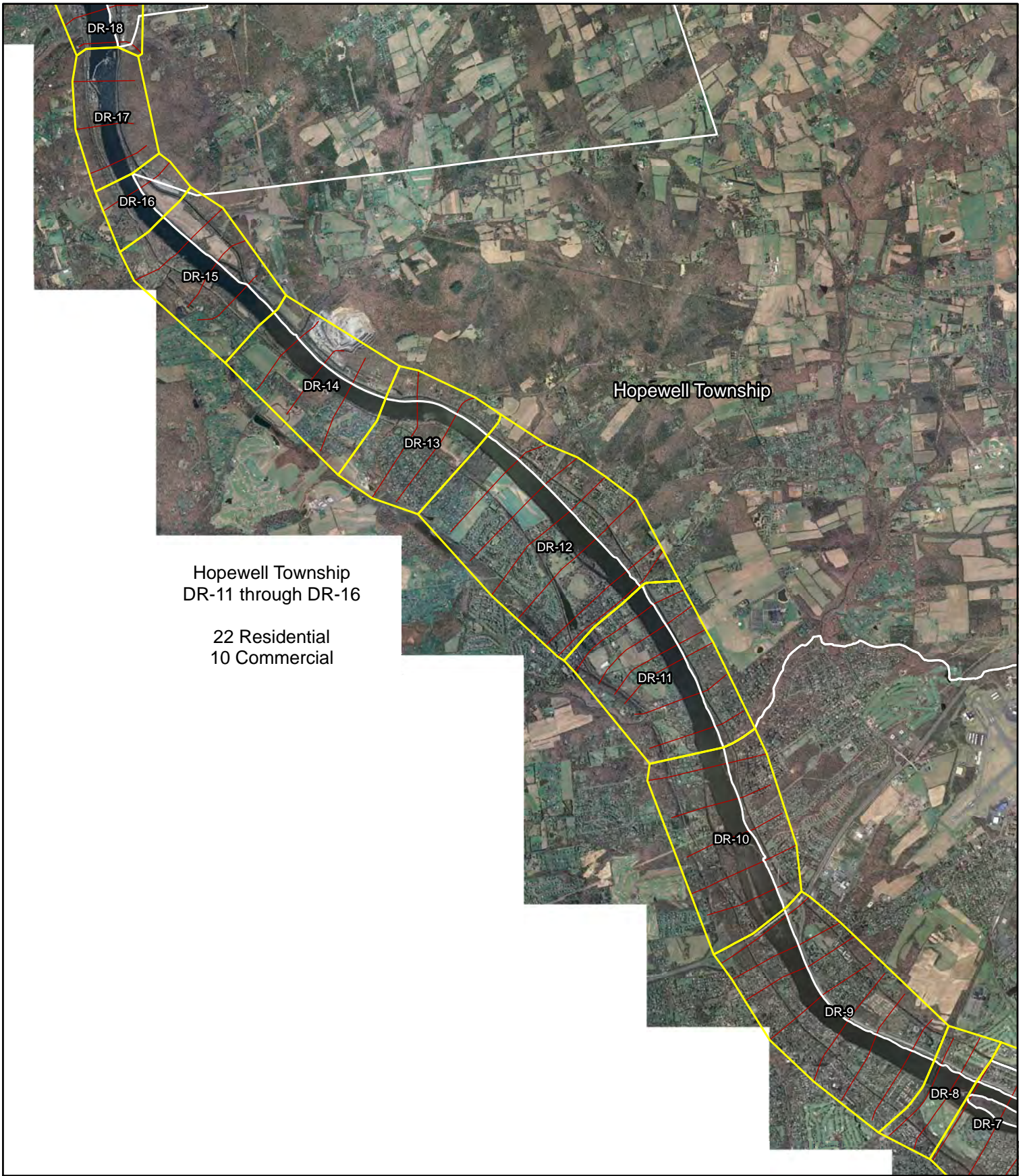


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Hopewell Township, Damage Reaches 11-17  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$1,000.00	\$1,000.00
2.86	0.3500	\$0.00	\$1,000.00	\$1,000.00
3.08	0.3250	\$0.00	\$1,000.00	\$1,000.00
3.33	0.3000	\$1,000.00	\$1,000.00	\$2,000.00
3.64	0.2750	\$3,000.00	\$2,000.00	\$5,000.00
4.00	0.2500	\$6,000.00	\$3,000.00	\$9,000.00
4.44	0.2250	\$10,000.00	\$5,000.00	\$15,000.00
5.00	0.2000	\$17,000.00	\$8,000.00	\$25,000.00
5.71	0.1750	\$26,000.00	\$12,000.00	\$38,000.00
6.67	0.1500	\$37,000.00	\$18,000.00	\$55,000.00
8.00	0.1250	\$52,000.00	\$28,000.00	\$80,000.00
10.00	0.1000	\$77,000.00	\$48,000.00	\$125,000.00
13.33	0.0750	\$127,000.00	\$97,000.00	\$224,000.00
20.00	0.0500	\$230,000.00	\$192,000.00	\$422,000.00
25.00	0.0400	\$296,000.00	\$259,000.00	\$555,000.00
40.00	0.0250	\$419,000.00	\$408,000.00	\$827,000.00
50.00	0.0200	\$468,000.00	\$479,000.00	\$947,000.00
66.67	0.0150	\$532,000.00	\$585,000.00	\$1,117,000.00
100.00	0.0100	\$611,000.00	\$750,000.00	\$1,361,000.00
111.11	0.0090	\$630,000.00	\$792,000.00	\$1,422,000.00
125.00	0.0080	\$653,000.00	\$841,000.00	\$1,494,000.00
142.86	0.0070	\$700,000.00	\$894,000.00	\$1,594,000.00
166.67	0.0060	\$798,000.00	\$953,000.00	\$1,751,000.00
200.00	0.0050	\$967,000.00	\$1,024,000.00	\$1,991,000.00
250.00	0.0040	\$1,208,000.00	\$1,102,000.00	\$2,310,000.00
500.00	0.0020	\$2,343,000.00	\$1,553,000.00	\$3,896,000.00
1000.00	0.0010	\$4,836,000.00	\$2,156,000.00	\$6,992,000.00

# Exceedance Probability - Damage Function (Summed), Hopewell Township





Hopewell Township  
 DR-11 through DR-16  
 22 Residential  
 10 Commercial

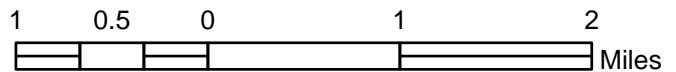


Delaware River Basin, NJ Comprehensive Study  
 Hopewell Township



Legend

- Damage Reaches
- Municipalities
- Cross Section

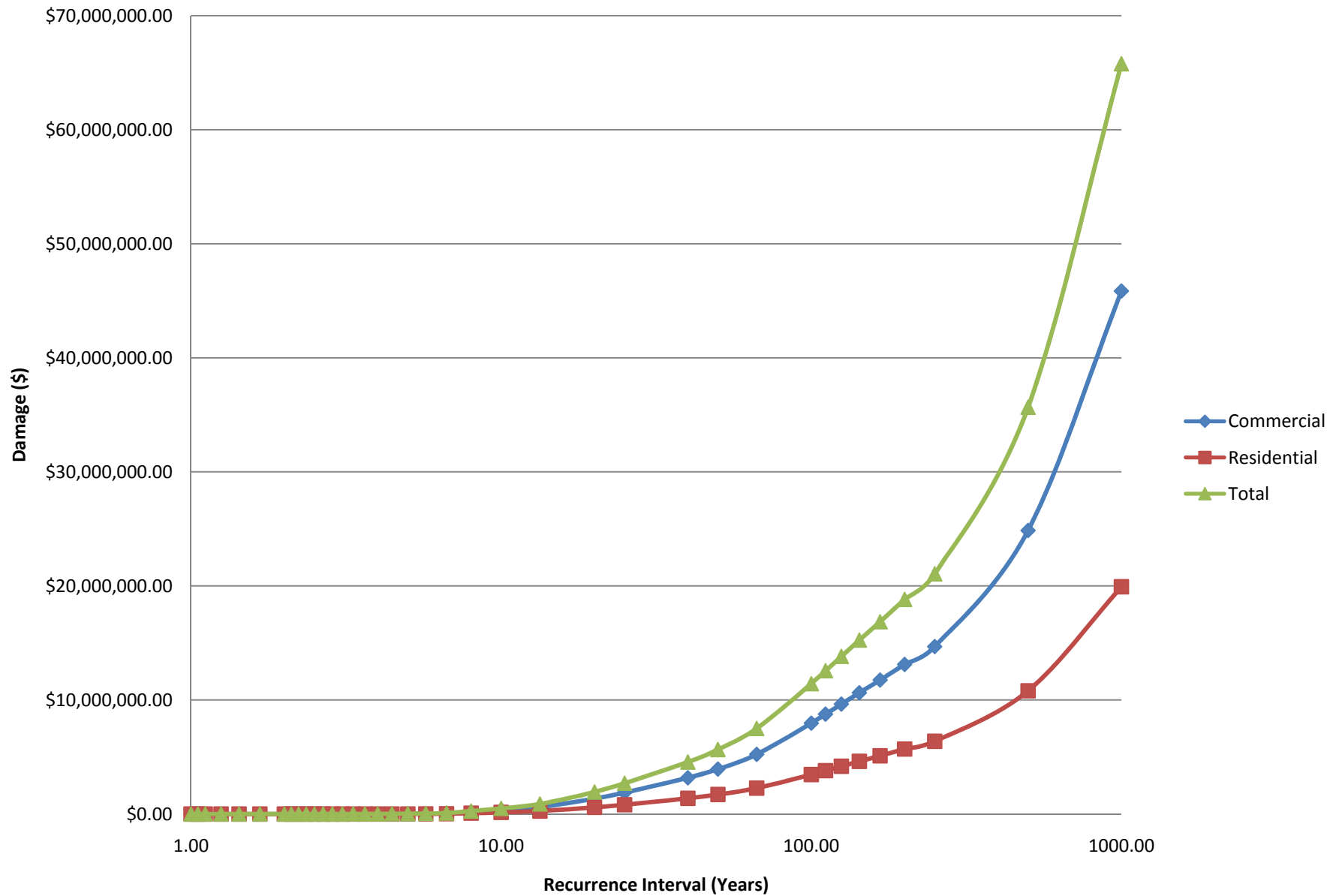




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 18  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$1,000.00	\$0.00	\$1,000.00
2.11	0.4750	\$1,000.00	\$0.00	\$1,000.00
2.22	0.4500	\$1,000.00	\$0.00	\$1,000.00
2.35	0.4250	\$1,000.00	\$0.00	\$1,000.00
2.50	0.4000	\$1,000.00	\$0.00	\$1,000.00
2.67	0.3750	\$1,000.00	\$1,000.00	\$2,000.00
2.86	0.3500	\$2,000.00	\$1,000.00	\$3,000.00
3.08	0.3250	\$3,000.00	\$1,000.00	\$4,000.00
3.33	0.3000	\$4,000.00	\$2,000.00	\$6,000.00
3.64	0.2750	\$6,000.00	\$2,000.00	\$8,000.00
4.00	0.2500	\$8,000.00	\$4,000.00	\$12,000.00
4.44	0.2250	\$12,000.00	\$5,000.00	\$17,000.00
5.00	0.2000	\$17,000.00	\$7,000.00	\$24,000.00
5.71	0.1750	\$36,000.00	\$16,000.00	\$52,000.00
6.67	0.1500	\$62,000.00	\$27,000.00	\$89,000.00
8.00	0.1250	\$182,000.00	\$79,000.00	\$261,000.00
10.00	0.1000	\$345,000.00	\$150,000.00	\$495,000.00
13.33	0.0750	\$614,000.00	\$267,000.00	\$881,000.00
20.00	0.0500	\$1,350,000.00	\$586,000.00	\$1,936,000.00
25.00	0.0400	\$1,884,000.00	\$819,000.00	\$2,703,000.00
40.00	0.0250	\$3,181,000.00	\$1,382,000.00	\$4,563,000.00
50.00	0.0200	\$3,944,000.00	\$1,714,000.00	\$5,658,000.00
66.67	0.0150	\$5,232,000.00	\$2,273,000.00	\$7,505,000.00
100.00	0.0100	\$7,970,000.00	\$3,463,000.00	\$11,433,000.00
111.11	0.0090	\$8,762,000.00	\$3,808,000.00	\$12,570,000.00
125.00	0.0080	\$9,641,000.00	\$4,189,000.00	\$13,830,000.00
142.86	0.0070	\$10,633,000.00	\$4,621,000.00	\$15,254,000.00
166.67	0.0060	\$11,754,000.00	\$5,108,000.00	\$16,862,000.00
200.00	0.0050	\$13,123,000.00	\$5,702,000.00	\$18,825,000.00
250.00	0.0040	\$14,685,000.00	\$6,381,000.00	\$21,066,000.00
500.00	0.0020	\$24,866,000.00	\$10,805,000.00	\$35,671,000.00
1000.00	0.0010	\$45,864,000.00	\$19,929,000.00	\$65,793,000.00

## Exceedance Probability - Damage Function, DR-18

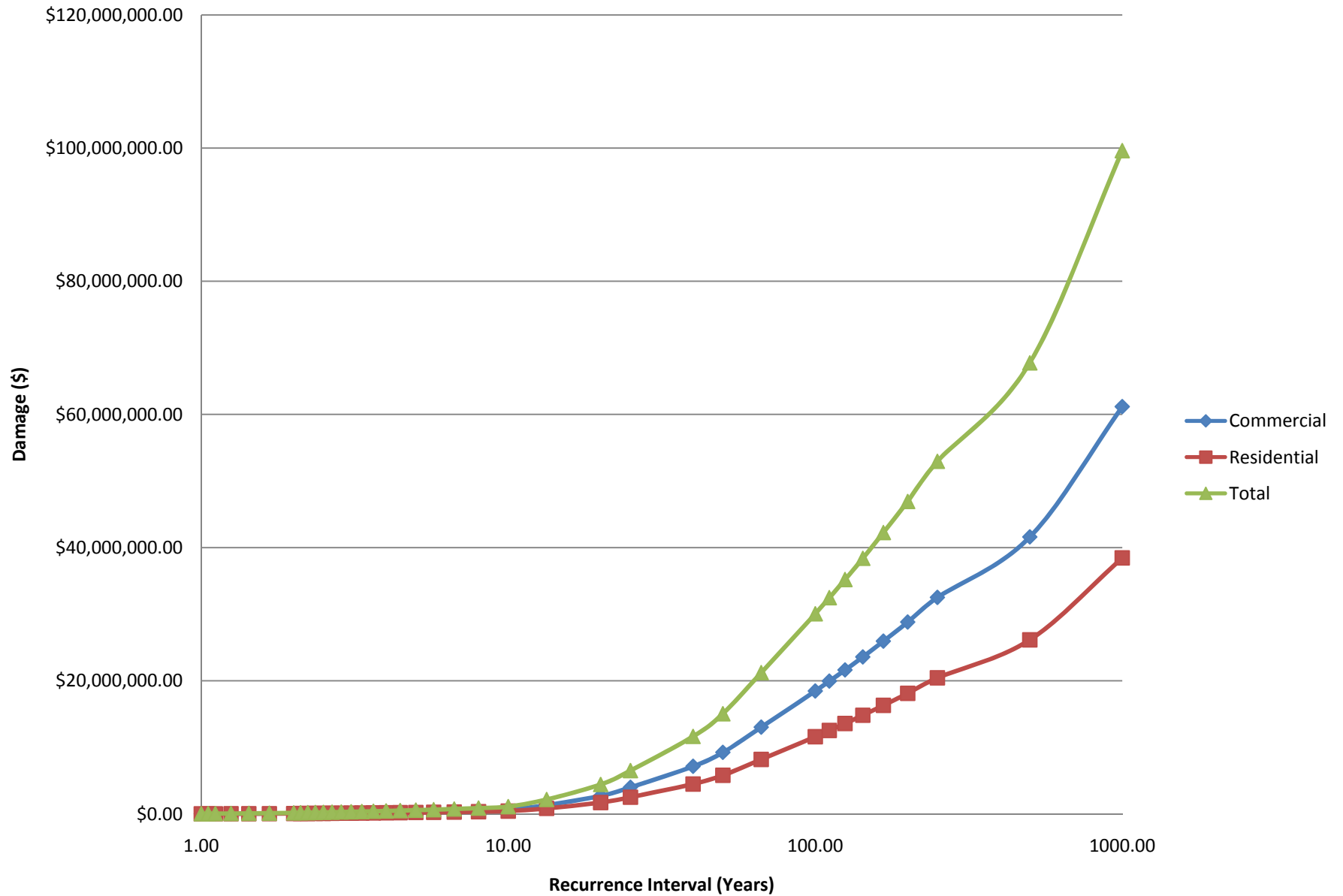




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 19  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$24,000.00	\$15,000.00	\$39,000.00
1.05	0.9500	\$33,000.00	\$21,000.00	\$54,000.00
1.11	0.9000	\$40,000.00	\$25,000.00	\$65,000.00
1.25	0.8000	\$50,000.00	\$31,000.00	\$81,000.00
1.43	0.7000	\$59,000.00	\$37,000.00	\$96,000.00
1.67	0.6000	\$74,000.00	\$46,000.00	\$120,000.00
2.00	0.5000	\$99,000.00	\$62,000.00	\$161,000.00
2.11	0.4750	\$111,000.00	\$70,000.00	\$181,000.00
2.22	0.4500	\$123,000.00	\$78,000.00	\$201,000.00
2.35	0.4250	\$137,000.00	\$86,000.00	\$223,000.00
2.50	0.4000	\$152,000.00	\$96,000.00	\$248,000.00
2.67	0.3750	\$168,000.00	\$106,000.00	\$274,000.00
2.86	0.3500	\$186,000.00	\$117,000.00	\$303,000.00
3.08	0.3250	\$205,000.00	\$129,000.00	\$334,000.00
3.33	0.3000	\$227,000.00	\$142,000.00	\$369,000.00
3.64	0.2750	\$252,000.00	\$158,000.00	\$410,000.00
4.00	0.2500	\$282,000.00	\$177,000.00	\$459,000.00
4.44	0.2250	\$316,000.00	\$199,000.00	\$515,000.00
5.00	0.2000	\$355,000.00	\$223,000.00	\$578,000.00
5.71	0.1750	\$401,000.00	\$252,000.00	\$653,000.00
6.67	0.1500	\$463,000.00	\$291,000.00	\$754,000.00
8.00	0.1250	\$548,000.00	\$344,000.00	\$892,000.00
10.00	0.1000	\$682,000.00	\$429,000.00	\$1,111,000.00
13.33	0.0750	\$1,337,000.00	\$841,000.00	\$2,178,000.00
20.00	0.0500	\$2,723,000.00	\$1,712,000.00	\$4,435,000.00
25.00	0.0400	\$4,005,000.00	\$2,518,000.00	\$6,523,000.00
40.00	0.0250	\$7,156,000.00	\$4,498,000.00	\$11,654,000.00
50.00	0.0200	\$9,249,000.00	\$5,814,000.00	\$15,063,000.00
66.67	0.0150	\$13,034,000.00	\$8,192,000.00	\$21,226,000.00
100.00	0.0100	\$18,463,000.00	\$11,605,000.00	\$30,068,000.00
111.11	0.0090	\$19,952,000.00	\$12,541,000.00	\$32,493,000.00
125.00	0.0080	\$21,623,000.00	\$13,591,000.00	\$35,214,000.00
142.86	0.0070	\$23,580,000.00	\$14,821,000.00	\$38,401,000.00
166.67	0.0060	\$25,954,000.00	\$16,314,000.00	\$42,268,000.00
200.00	0.0050	\$28,823,000.00	\$18,117,000.00	\$46,940,000.00
250.00	0.0040	\$32,523,000.00	\$20,443,000.00	\$52,966,000.00
500.00	0.0020	\$41,604,000.00	\$26,151,000.00	\$67,755,000.00
1000.00	0.0010	\$61,177,000.00	\$38,454,000.00	\$99,631,000.00

## Exceedance Probability - Damage Function, DR-19



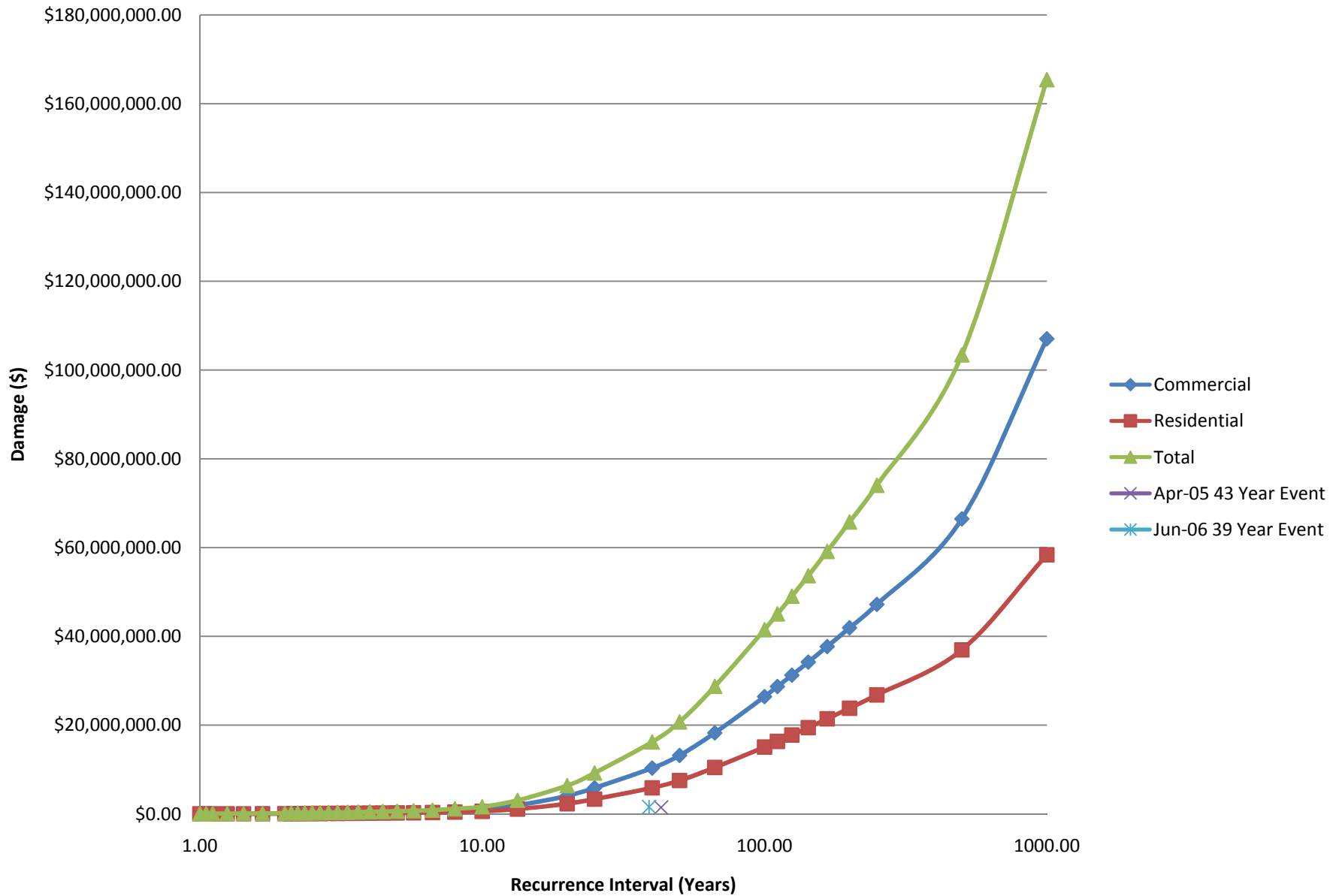


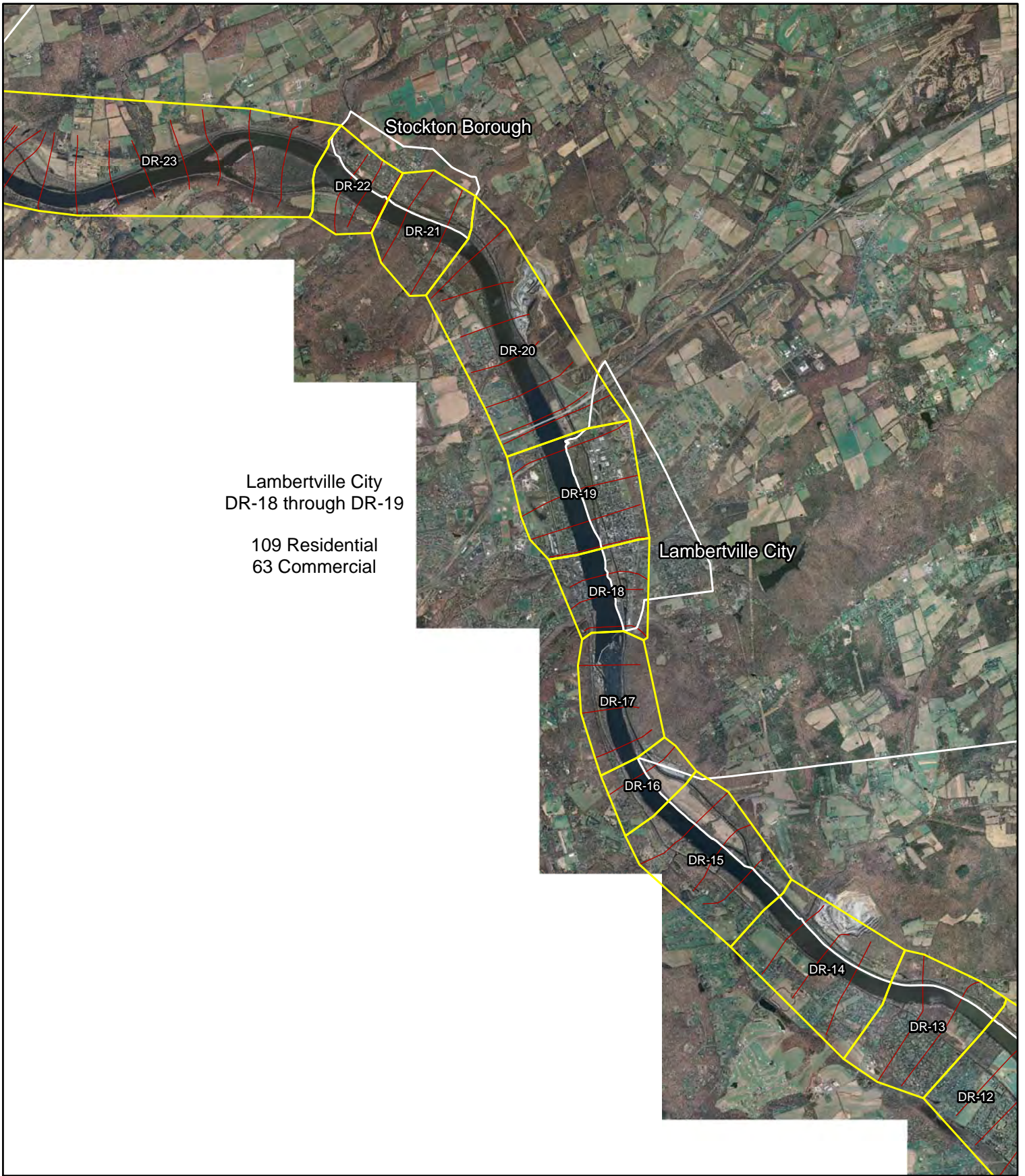
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Lambertville City, Damage Reaches 18-20  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$24,000.00	\$15,000.00	\$39,000.00
1.05	0.9500	\$33,000.00	\$21,000.00	\$54,000.00
1.11	0.9000	\$40,000.00	\$25,000.00	\$65,000.00
1.25	0.8000	\$50,000.00	\$31,000.00	\$81,000.00
1.43	0.7000	\$59,000.00	\$37,000.00	\$96,000.00
1.67	0.6000	\$74,000.00	\$46,000.00	\$120,000.00
2.00	0.5000	\$100,000.00	\$62,000.00	\$162,000.00
2.11	0.4750	\$112,000.00	\$70,000.00	\$182,000.00
2.22	0.4500	\$124,000.00	\$78,000.00	\$202,000.00
2.35	0.4250	\$138,000.00	\$86,000.00	\$224,000.00
2.50	0.4000	\$153,000.00	\$96,000.00	\$249,000.00
2.67	0.3750	\$169,000.00	\$107,000.00	\$276,000.00
2.86	0.3500	\$188,000.00	\$118,000.00	\$306,000.00
3.08	0.3250	\$208,000.00	\$130,000.00	\$338,000.00
3.33	0.3000	\$231,000.00	\$144,000.00	\$375,000.00
3.64	0.2750	\$258,000.00	\$160,000.00	\$418,000.00
4.00	0.2500	\$290,000.00	\$181,000.00	\$471,000.00
4.44	0.2250	\$328,000.00	\$204,000.00	\$532,000.00
5.00	0.2000	\$372,000.00	\$230,000.00	\$602,000.00
5.71	0.1750	\$437,000.00	\$268,000.00	\$705,000.00
6.67	0.1500	\$525,000.00	\$318,000.00	\$843,000.00
8.00	0.1250	\$730,000.00	\$423,000.00	\$1,153,000.00
10.00	0.1000	\$1,027,000.00	\$579,000.00	\$1,606,000.00
13.33	0.0750	\$1,951,000.00	\$1,108,000.00	\$3,059,000.00
20.00	0.0500	\$4,073,000.00	\$2,298,000.00	\$6,371,000.00
25.00	0.0400	\$5,889,000.00	\$3,337,000.00	\$9,226,000.00
40.00	0.0250	\$10,337,000.00	\$5,880,000.00	\$16,217,000.00
50.00	0.0200	\$13,193,000.00	\$7,528,000.00	\$20,721,000.00
66.67	0.0150	\$18,266,000.00	\$10,465,000.00	\$28,731,000.00
100.00	0.0100	\$26,433,000.00	\$15,068,000.00	\$41,501,000.00
111.11	0.0090	\$28,714,000.00	\$16,349,000.00	\$45,063,000.00
125.00	0.0080	\$31,264,000.00	\$17,780,000.00	\$49,044,000.00
142.86	0.0070	\$34,213,000.00	\$19,442,000.00	\$53,655,000.00
166.67	0.0060	\$37,708,000.00	\$21,422,000.00	\$59,130,000.00
200.00	0.0050	\$41,946,000.00	\$23,819,000.00	\$65,765,000.00
250.00	0.0040	\$47,208,000.00	\$26,824,000.00	\$74,032,000.00
500.00	0.0020	\$66,470,000.00	\$36,956,000.00	\$103,426,000.00
1000.00	0.0010	\$107,041,000.00	\$58,383,000.00	\$165,424,000.00



# Exceedance Probability - Damage Function (Summed), Lambertville City





Lambertville City  
 DR-18 through DR-19  
 109 Residential  
 63 Commercial

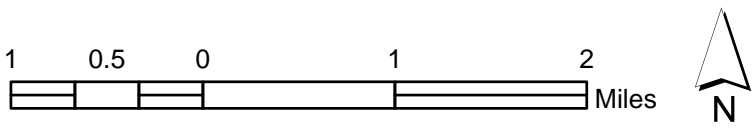


Delaware River Basin, NJ Comprehensive Study  
 Lambertville City



Legend

- Damage Reaches
- Municipalities
- Cross Section

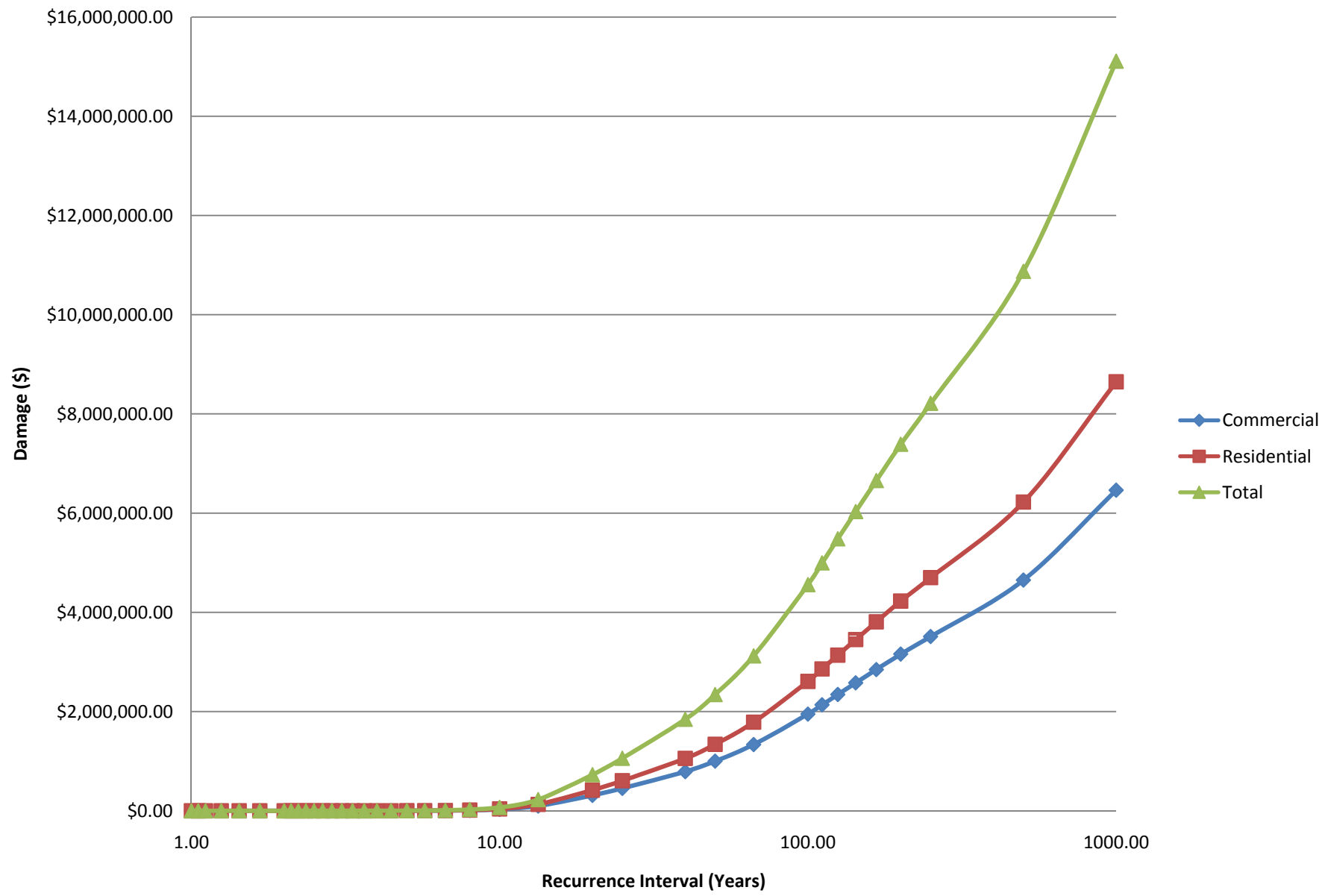




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 21  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$1,000.00	\$1,000.00	\$2,000.00
4.44	0.2250	\$1,000.00	\$1,000.00	\$2,000.00
5.00	0.2000	\$1,000.00	\$2,000.00	\$3,000.00
5.71	0.1750	\$2,000.00	\$3,000.00	\$5,000.00
6.67	0.1500	\$4,000.00	\$6,000.00	\$10,000.00
8.00	0.1250	\$11,000.00	\$15,000.00	\$26,000.00
10.00	0.1000	\$29,000.00	\$39,000.00	\$68,000.00
13.33	0.0750	\$96,000.00	\$129,000.00	\$225,000.00
20.00	0.0500	\$311,000.00	\$417,000.00	\$728,000.00
25.00	0.0400	\$453,000.00	\$606,000.00	\$1,059,000.00
40.00	0.0250	\$789,000.00	\$1,056,000.00	\$1,845,000.00
50.00	0.0200	\$1,002,000.00	\$1,341,000.00	\$2,343,000.00
66.67	0.0150	\$1,336,000.00	\$1,787,000.00	\$3,123,000.00
100.00	0.0100	\$1,950,000.00	\$2,609,000.00	\$4,559,000.00
111.11	0.0090	\$2,137,000.00	\$2,860,000.00	\$4,997,000.00
125.00	0.0080	\$2,345,000.00	\$3,138,000.00	\$5,483,000.00
142.86	0.0070	\$2,580,000.00	\$3,452,000.00	\$6,032,000.00
166.67	0.0060	\$2,847,000.00	\$3,810,000.00	\$6,657,000.00
200.00	0.0050	\$3,160,000.00	\$4,229,000.00	\$7,389,000.00
250.00	0.0040	\$3,513,000.00	\$4,701,000.00	\$8,214,000.00
500.00	0.0020	\$4,651,000.00	\$6,224,000.00	\$10,875,000.00
1000.00	0.0010	\$6,463,000.00	\$8,649,000.00	\$15,112,000.00

# Exceedance Probability - Damage Function, DR-21

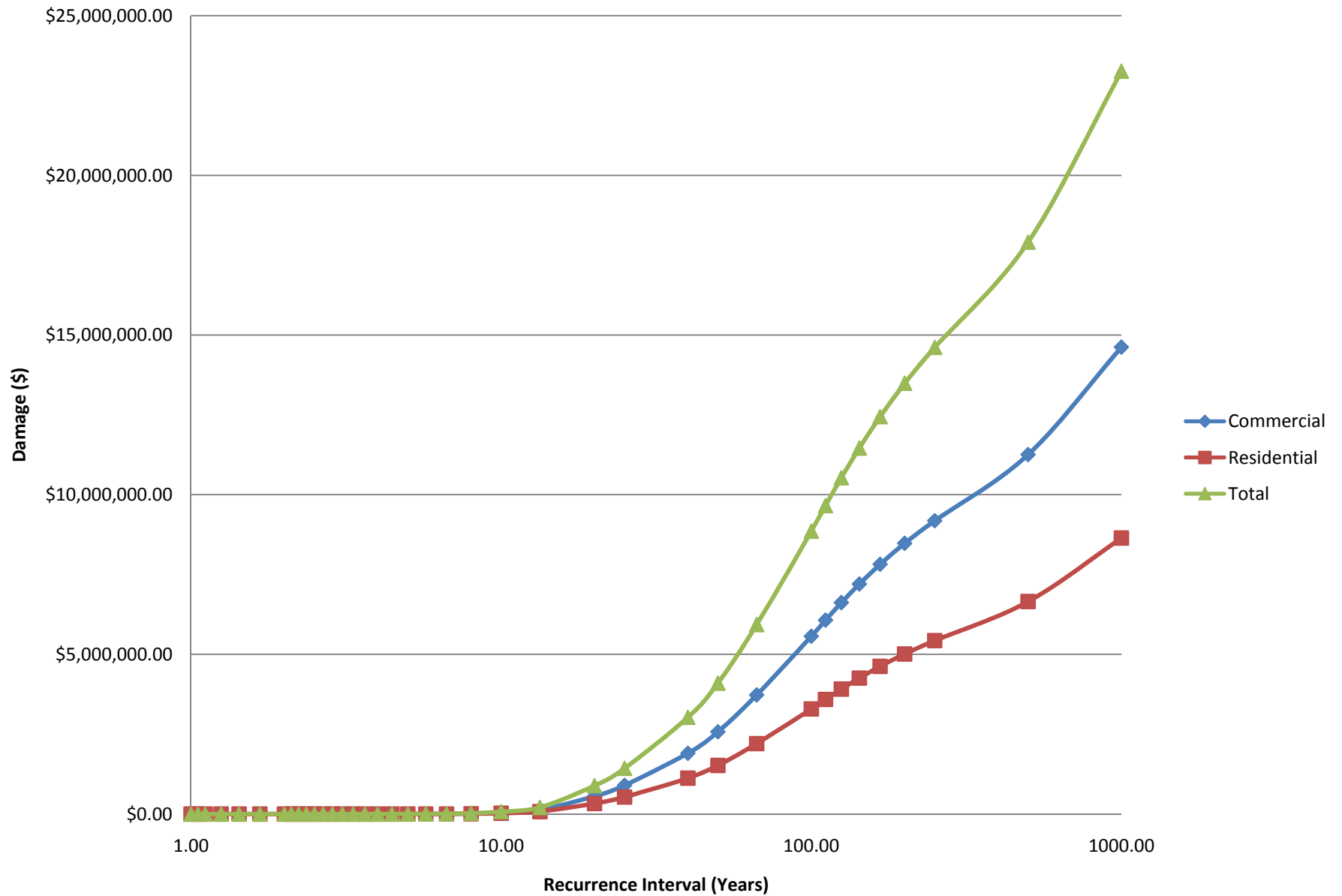




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 22  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$1,000.00	\$0.00	\$1,000.00
5.00	0.2000	\$1,000.00	\$1,000.00	\$2,000.00
5.71	0.1750	\$3,000.00	\$2,000.00	\$5,000.00
6.67	0.1500	\$5,000.00	\$3,000.00	\$8,000.00
8.00	0.1250	\$15,000.00	\$9,000.00	\$24,000.00
10.00	0.1000	\$47,000.00	\$28,000.00	\$75,000.00
13.33	0.0750	\$131,000.00	\$77,000.00	\$208,000.00
20.00	0.0500	\$558,000.00	\$330,000.00	\$888,000.00
25.00	0.0400	\$900,000.00	\$532,000.00	\$1,432,000.00
40.00	0.0250	\$1,904,000.00	\$1,125,000.00	\$3,029,000.00
50.00	0.0200	\$2,576,000.00	\$1,523,000.00	\$4,099,000.00
66.67	0.0150	\$3,729,000.00	\$2,205,000.00	\$5,934,000.00
100.00	0.0100	\$5,567,000.00	\$3,291,000.00	\$8,858,000.00
111.11	0.0090	\$6,071,000.00	\$3,588,000.00	\$9,659,000.00
125.00	0.0080	\$6,620,000.00	\$3,913,000.00	\$10,533,000.00
142.86	0.0070	\$7,203,000.00	\$4,258,000.00	\$11,461,000.00
166.67	0.0060	\$7,822,000.00	\$4,624,000.00	\$12,446,000.00
200.00	0.0050	\$8,478,000.00	\$5,012,000.00	\$13,490,000.00
250.00	0.0040	\$9,185,000.00	\$5,430,000.00	\$14,615,000.00
500.00	0.0020	\$11,255,000.00	\$6,653,000.00	\$17,908,000.00
1000.00	0.0010	\$14,621,000.00	\$8,643,000.00	\$23,264,000.00

## Exceedance Probability - Damage Function, DR-22

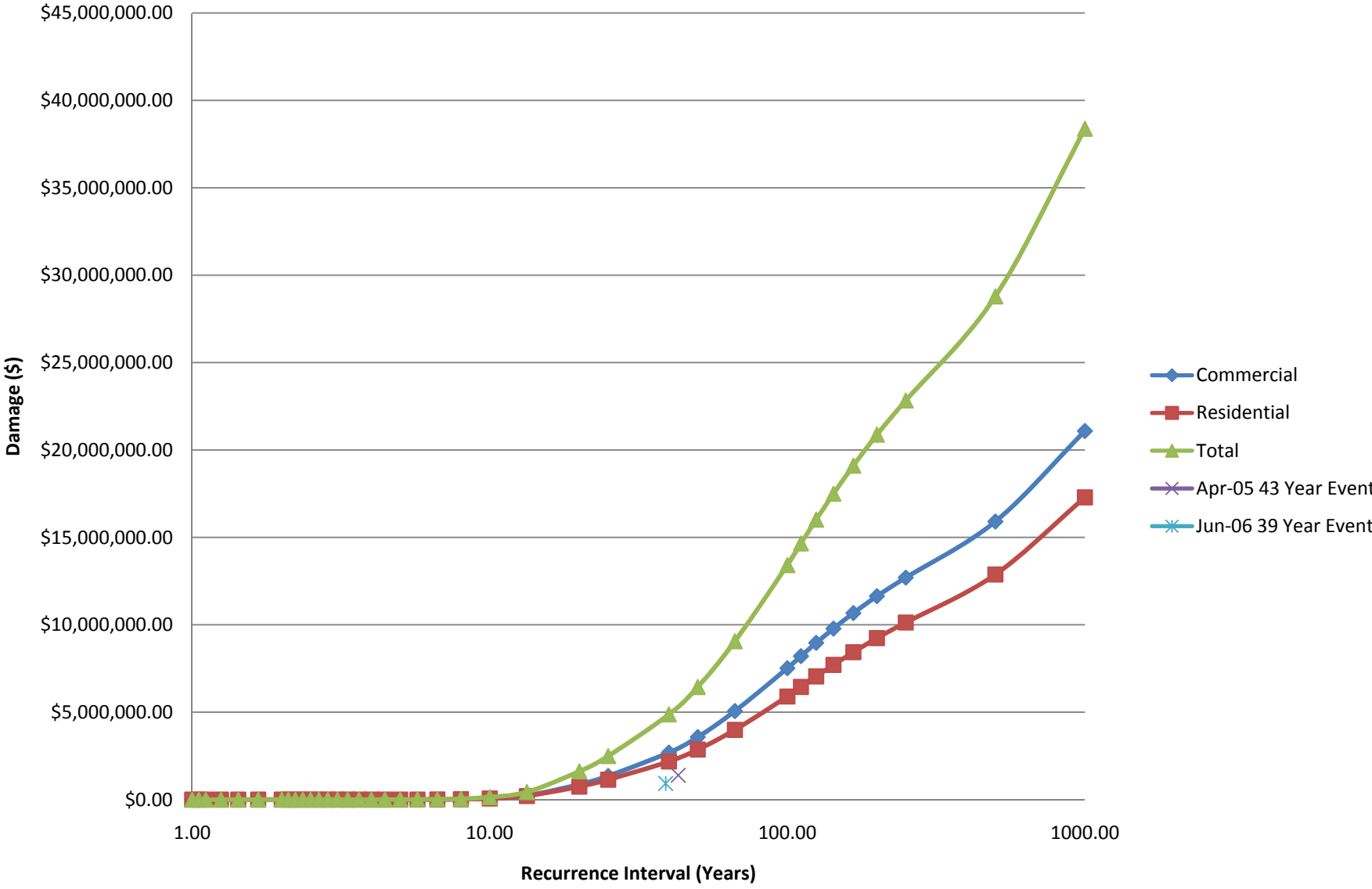




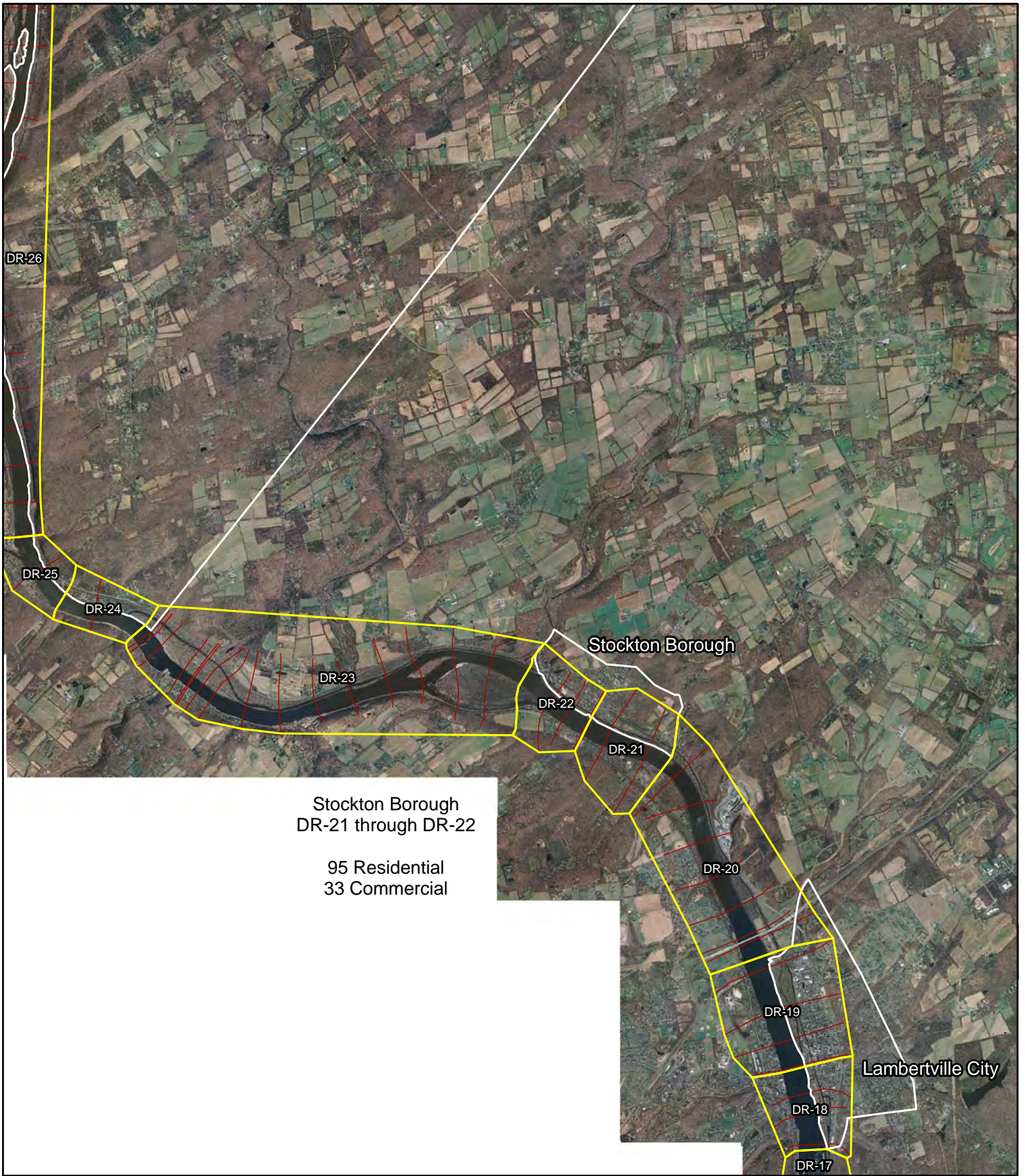
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Stockton Borough, Damage Reaches 21-23  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$1,000.00	\$1,000.00	\$2,000.00
4.44	0.2250	\$2,000.00	\$1,000.00	\$3,000.00
5.00	0.2000	\$2,000.00	\$3,000.00	\$5,000.00
5.71	0.1750	\$5,000.00	\$5,000.00	\$10,000.00
6.67	0.1500	\$9,000.00	\$9,000.00	\$18,000.00
8.00	0.1250	\$26,000.00	\$24,000.00	\$50,000.00
10.00	0.1000	\$76,000.00	\$67,000.00	\$143,000.00
13.33	0.0750	\$227,000.00	\$206,000.00	\$433,000.00
20.00	0.0500	\$869,000.00	\$747,000.00	\$1,616,000.00
25.00	0.0400	\$1,353,000.00	\$1,138,000.00	\$2,491,000.00
40.00	0.0250	\$2,693,000.00	\$2,181,000.00	\$4,874,000.00
50.00	0.0200	\$3,578,000.00	\$2,864,000.00	\$6,442,000.00
66.67	0.0150	\$5,065,000.00	\$3,992,000.00	\$9,057,000.00
100.00	0.0100	\$7,517,000.00	\$5,900,000.00	\$13,417,000.00
111.11	0.0090	\$8,208,000.00	\$6,448,000.00	\$14,656,000.00
125.00	0.0080	\$8,965,000.00	\$7,051,000.00	\$16,016,000.00
142.86	0.0070	\$9,783,000.00	\$7,710,000.00	\$17,493,000.00
166.67	0.0060	\$10,669,000.00	\$8,434,000.00	\$19,103,000.00
200.00	0.0050	\$11,638,000.00	\$9,241,000.00	\$20,879,000.00
250.00	0.0040	\$12,698,000.00	\$10,131,000.00	\$22,829,000.00
500.00	0.0020	\$15,906,000.00	\$12,877,000.00	\$28,783,000.00
1000.00	0.0010	\$21,084,000.00	\$17,292,000.00	\$38,376,000.00

# Exceedance Probability - Damage Function (Summed), Stockton Borough





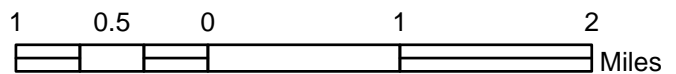


Delaware River Basin, NJ Comprehensive Study  
Stockton Borough



Legend

- Damage Reaches
- Municipalities
- Cross Section

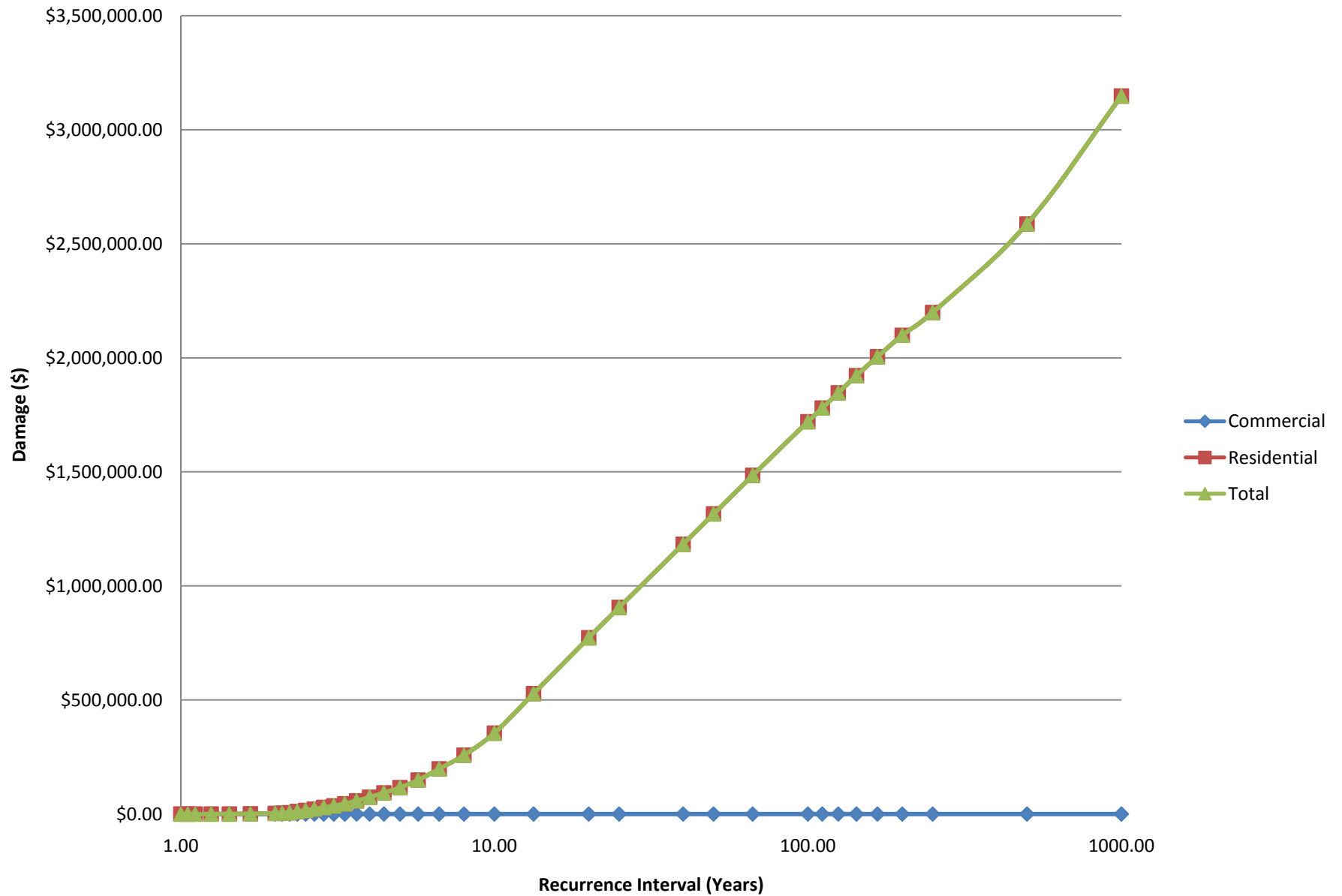




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 24  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$3,000.00	\$3,000.00
2.11	0.4750	\$0.00	\$4,000.00	\$4,000.00
2.22	0.4500	\$0.00	\$6,000.00	\$6,000.00
2.35	0.4250	\$0.00	\$11,000.00	\$11,000.00
2.50	0.4000	\$0.00	\$16,000.00	\$16,000.00
2.67	0.3750	\$0.00	\$22,000.00	\$22,000.00
2.86	0.3500	\$0.00	\$29,000.00	\$29,000.00
3.08	0.3250	\$0.00	\$36,000.00	\$36,000.00
3.33	0.3000	\$0.00	\$45,000.00	\$45,000.00
3.64	0.2750	\$0.00	\$58,000.00	\$58,000.00
4.00	0.2500	\$0.00	\$74,000.00	\$74,000.00
4.44	0.2250	\$0.00	\$93,000.00	\$93,000.00
5.00	0.2000	\$0.00	\$116,000.00	\$116,000.00
5.71	0.1750	\$0.00	\$149,000.00	\$149,000.00
6.67	0.1500	\$0.00	\$198,000.00	\$198,000.00
8.00	0.1250	\$0.00	\$258,000.00	\$258,000.00
10.00	0.1000	\$0.00	\$355,000.00	\$355,000.00
13.33	0.0750	\$0.00	\$528,000.00	\$528,000.00
20.00	0.0500	\$0.00	\$773,000.00	\$773,000.00
25.00	0.0400	\$0.00	\$906,000.00	\$906,000.00
40.00	0.0250	\$0.00	\$1,183,000.00	\$1,183,000.00
50.00	0.0200	\$0.00	\$1,316,000.00	\$1,316,000.00
66.67	0.0150	\$0.00	\$1,485,000.00	\$1,485,000.00
100.00	0.0100	\$0.00	\$1,720,000.00	\$1,720,000.00
111.11	0.0090	\$0.00	\$1,780,000.00	\$1,780,000.00
125.00	0.0080	\$0.00	\$1,847,000.00	\$1,847,000.00
142.86	0.0070	\$0.00	\$1,922,000.00	\$1,922,000.00
166.67	0.0060	\$0.00	\$2,005,000.00	\$2,005,000.00
200.00	0.0050	\$0.00	\$2,099,000.00	\$2,099,000.00
250.00	0.0040	\$0.00	\$2,199,000.00	\$2,199,000.00
500.00	0.0020	\$0.00	\$2,587,000.00	\$2,587,000.00
1000.00	0.0010	\$0.00	\$3,148,000.00	\$3,148,000.00

## Exceedance Probability - Damage Function, DR-24

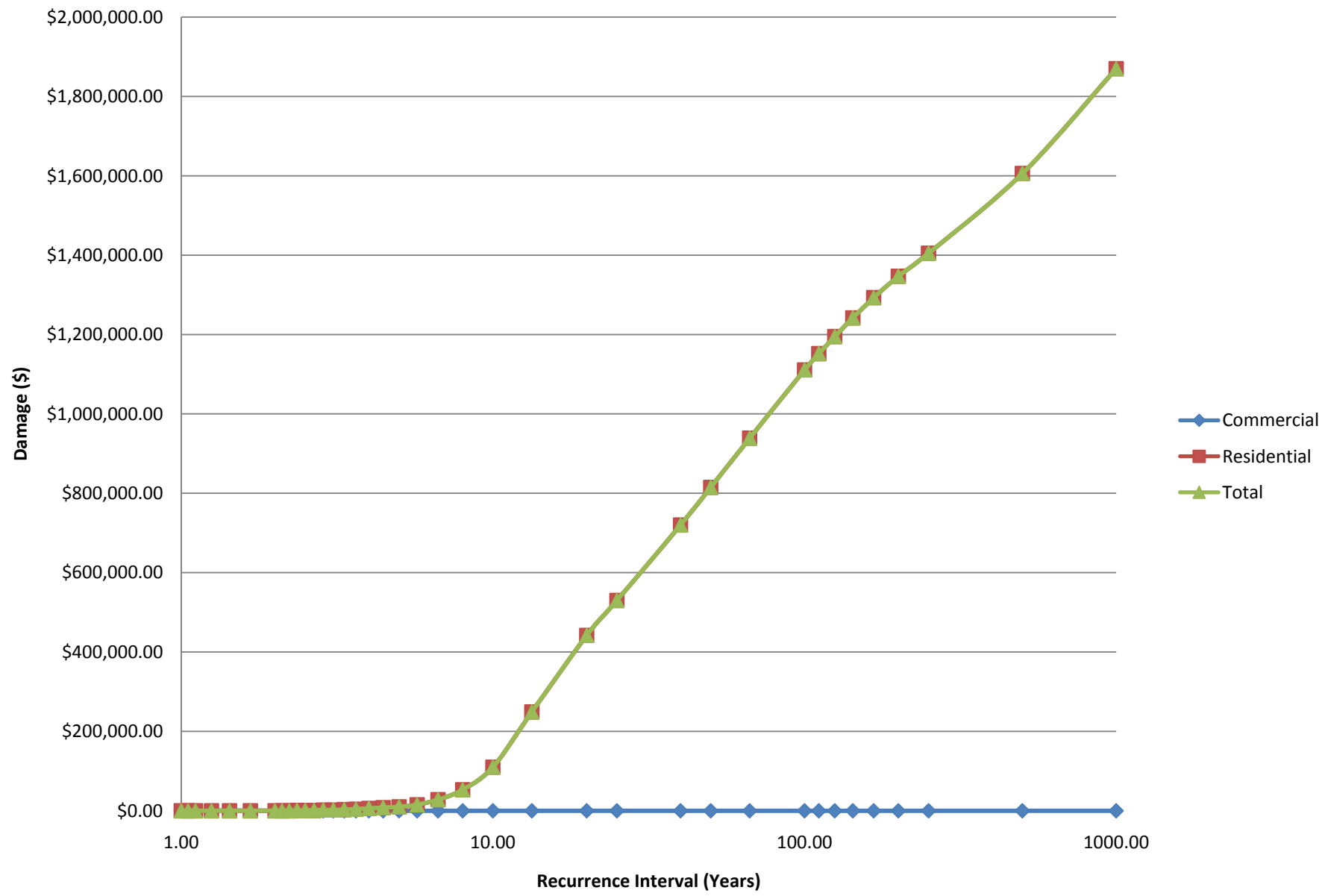




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 25  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$1,000.00	\$1,000.00
2.86	0.3500	\$0.00	\$2,000.00	\$2,000.00
3.08	0.3250	\$0.00	\$2,000.00	\$2,000.00
3.33	0.3000	\$0.00	\$3,000.00	\$3,000.00
3.64	0.2750	\$0.00	\$4,000.00	\$4,000.00
4.00	0.2500	\$0.00	\$6,000.00	\$6,000.00
4.44	0.2250	\$0.00	\$8,000.00	\$8,000.00
5.00	0.2000	\$0.00	\$10,000.00	\$10,000.00
5.71	0.1750	\$0.00	\$15,000.00	\$15,000.00
6.67	0.1500	\$0.00	\$28,000.00	\$28,000.00
8.00	0.1250	\$0.00	\$53,000.00	\$53,000.00
10.00	0.1000	\$0.00	\$110,000.00	\$110,000.00
13.33	0.0750	\$0.00	\$249,000.00	\$249,000.00
20.00	0.0500	\$0.00	\$442,000.00	\$442,000.00
25.00	0.0400	\$0.00	\$530,000.00	\$530,000.00
40.00	0.0250	\$0.00	\$720,000.00	\$720,000.00
50.00	0.0200	\$0.00	\$815,000.00	\$815,000.00
66.67	0.0150	\$0.00	\$939,000.00	\$939,000.00
100.00	0.0100	\$0.00	\$1,111,000.00	\$1,111,000.00
111.11	0.0090	\$0.00	\$1,152,000.00	\$1,152,000.00
125.00	0.0080	\$0.00	\$1,195,000.00	\$1,195,000.00
142.86	0.0070	\$0.00	\$1,242,000.00	\$1,242,000.00
166.67	0.0060	\$0.00	\$1,293,000.00	\$1,293,000.00
200.00	0.0050	\$0.00	\$1,347,000.00	\$1,347,000.00
250.00	0.0040	\$0.00	\$1,405,000.00	\$1,405,000.00
500.00	0.0020	\$0.00	\$1,606,000.00	\$1,606,000.00
1000.00	0.0010	\$0.00	\$1,870,000.00	\$1,870,000.00

### Exceedance Probability - Damage Function, DR-25

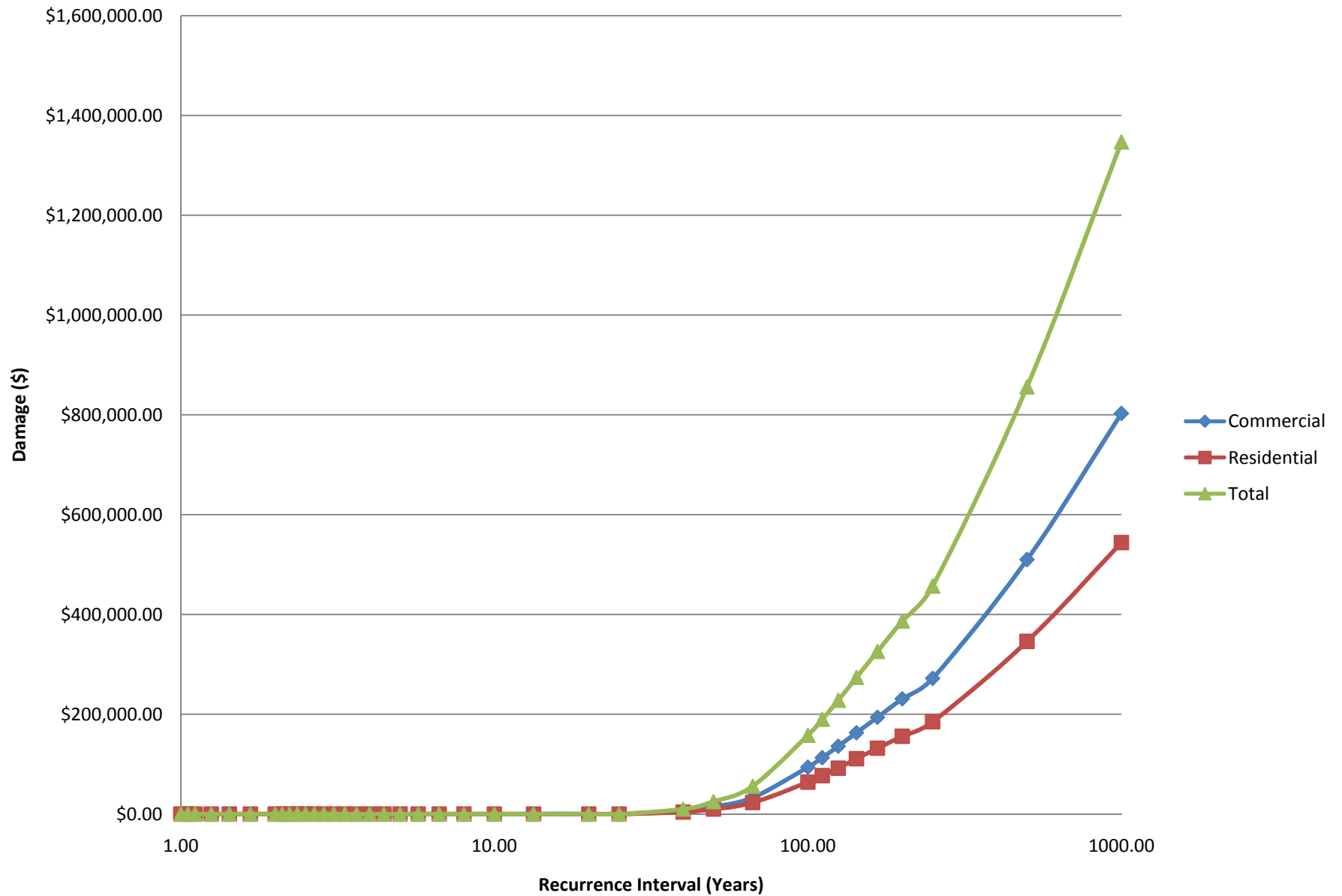




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 27  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$0.00	\$0.00	\$0.00
40.00	0.0250	\$6,000.00	\$4,000.00	\$10,000.00
50.00	0.0200	\$15,000.00	\$10,000.00	\$25,000.00
66.67	0.0150	\$33,000.00	\$23,000.00	\$56,000.00
100.00	0.0100	\$94,000.00	\$64,000.00	\$158,000.00
111.11	0.0090	\$113,000.00	\$77,000.00	\$190,000.00
125.00	0.0080	\$136,000.00	\$92,000.00	\$228,000.00
142.86	0.0070	\$163,000.00	\$111,000.00	\$274,000.00
166.67	0.0060	\$194,000.00	\$132,000.00	\$326,000.00
200.00	0.0050	\$231,000.00	\$156,000.00	\$387,000.00
250.00	0.0040	\$272,000.00	\$185,000.00	\$457,000.00
500.00	0.0020	\$510,000.00	\$346,000.00	\$856,000.00
1000.00	0.0010	\$803,000.00	\$544,000.00	\$1,347,000.00

## Exceedance Probability - Damage Function, DR-27



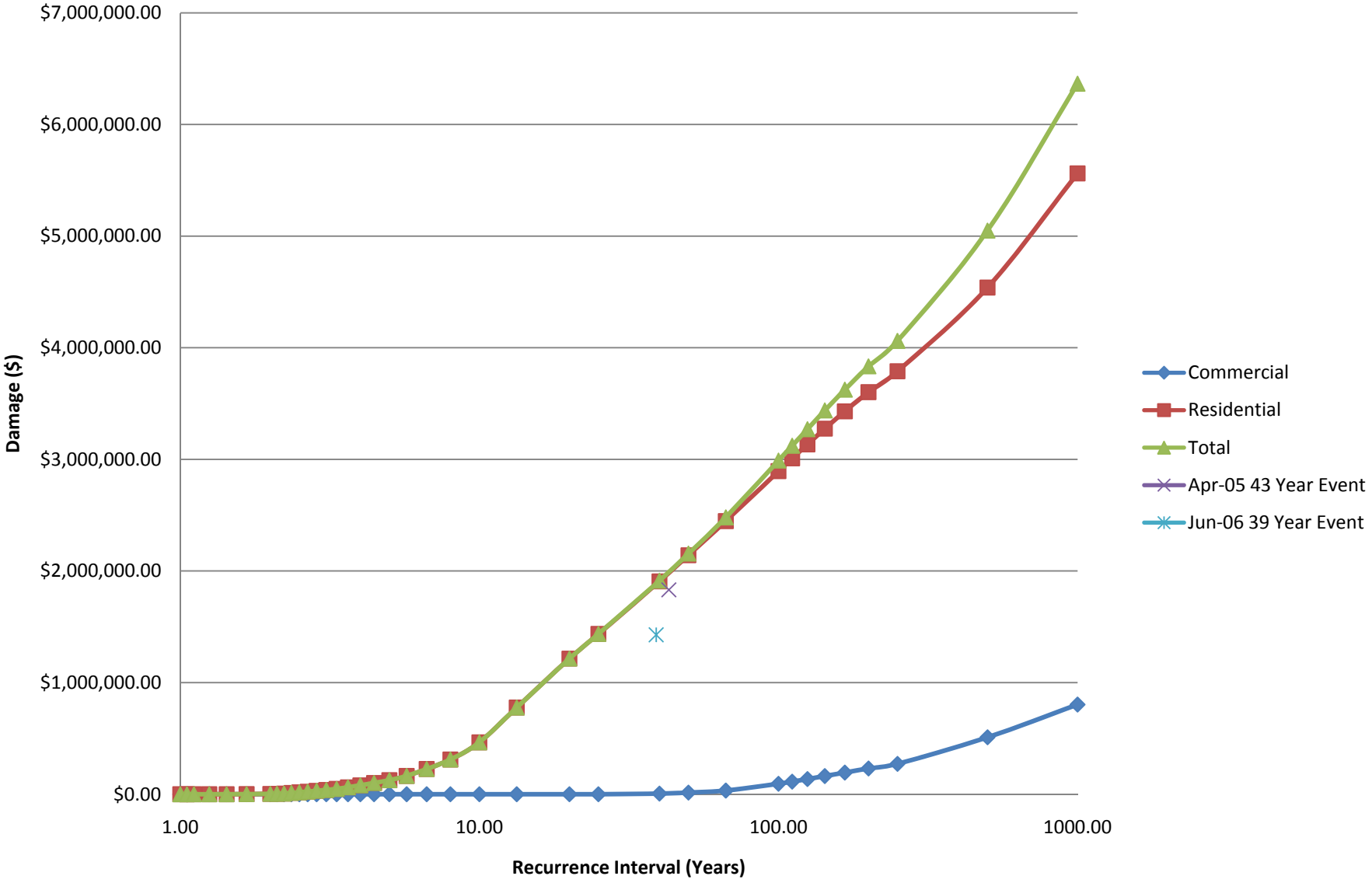


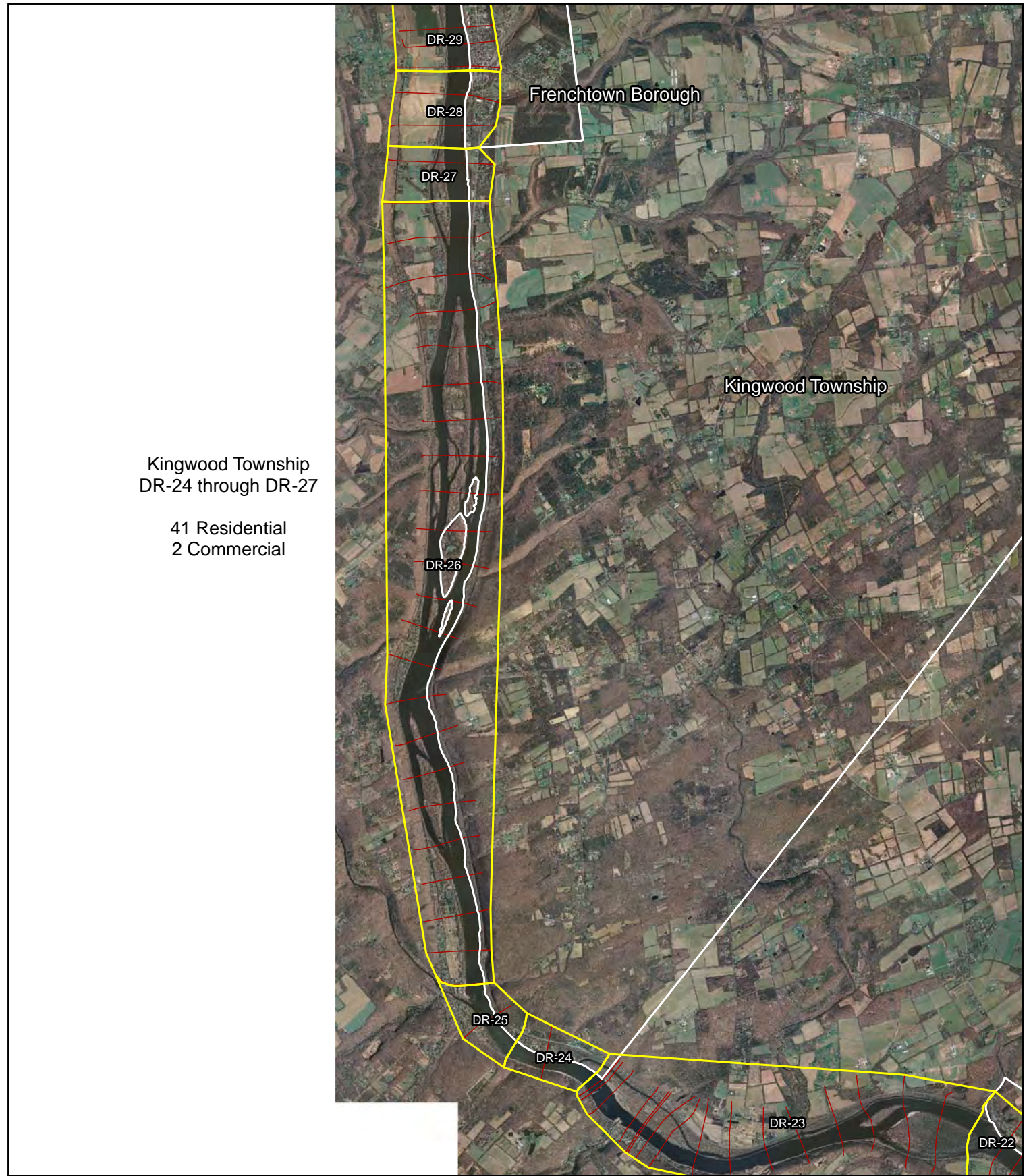
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Kingwood Township, Damage Reaches 24-27  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$3,000.00	\$3,000.00
2.11	0.4750	\$0.00	\$4,000.00	\$4,000.00
2.22	0.4500	\$0.00	\$6,000.00	\$6,000.00
2.35	0.4250	\$0.00	\$12,000.00	\$12,000.00
2.50	0.4000	\$0.00	\$17,000.00	\$17,000.00
2.67	0.3750	\$0.00	\$23,000.00	\$23,000.00
2.86	0.3500	\$0.00	\$31,000.00	\$31,000.00
3.08	0.3250	\$0.00	\$38,000.00	\$38,000.00
3.33	0.3000	\$0.00	\$48,000.00	\$48,000.00
3.64	0.2750	\$0.00	\$62,000.00	\$62,000.00
4.00	0.2500	\$0.00	\$80,000.00	\$80,000.00
4.44	0.2250	\$0.00	\$101,000.00	\$101,000.00
5.00	0.2000	\$0.00	\$126,000.00	\$126,000.00
5.71	0.1750	\$0.00	\$164,000.00	\$164,000.00
6.67	0.1500	\$0.00	\$226,000.00	\$226,000.00
8.00	0.1250	\$0.00	\$311,000.00	\$311,000.00
10.00	0.1000	\$0.00	\$465,000.00	\$465,000.00
13.33	0.0750	\$0.00	\$777,000.00	\$777,000.00
20.00	0.0500	\$0.00	\$1,215,000.00	\$1,215,000.00
25.00	0.0400	\$0.00	\$1,436,000.00	\$1,436,000.00
40.00	0.0250	\$6,000.00	\$1,907,000.00	\$1,913,000.00
50.00	0.0200	\$15,000.00	\$2,141,000.00	\$2,156,000.00
66.67	0.0150	\$33,000.00	\$2,447,000.00	\$2,480,000.00
100.00	0.0100	\$94,000.00	\$2,895,000.00	\$2,989,000.00
111.11	0.0090	\$113,000.00	\$3,009,000.00	\$3,122,000.00
125.00	0.0080	\$136,000.00	\$3,134,000.00	\$3,270,000.00
142.86	0.0070	\$163,000.00	\$3,275,000.00	\$3,438,000.00
166.67	0.0060	\$194,000.00	\$3,430,000.00	\$3,624,000.00
200.00	0.0050	\$231,000.00	\$3,602,000.00	\$3,833,000.00
250.00	0.0040	\$272,000.00	\$3,789,000.00	\$4,061,000.00
500.00	0.0020	\$510,000.00	\$4,539,000.00	\$5,049,000.00
1000.00	0.0010	\$803,000.00	\$5,562,000.00	\$6,365,000.00



# Exceedance Probability - Damage Function (Summed), Kingwood Township



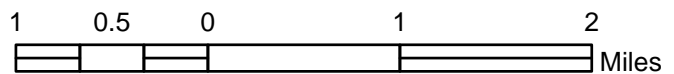


Delaware River Basin, NJ Comprehensive Study  
Kingwood Township



Legend

- Damage Reaches
- Municipalities
- Cross Section

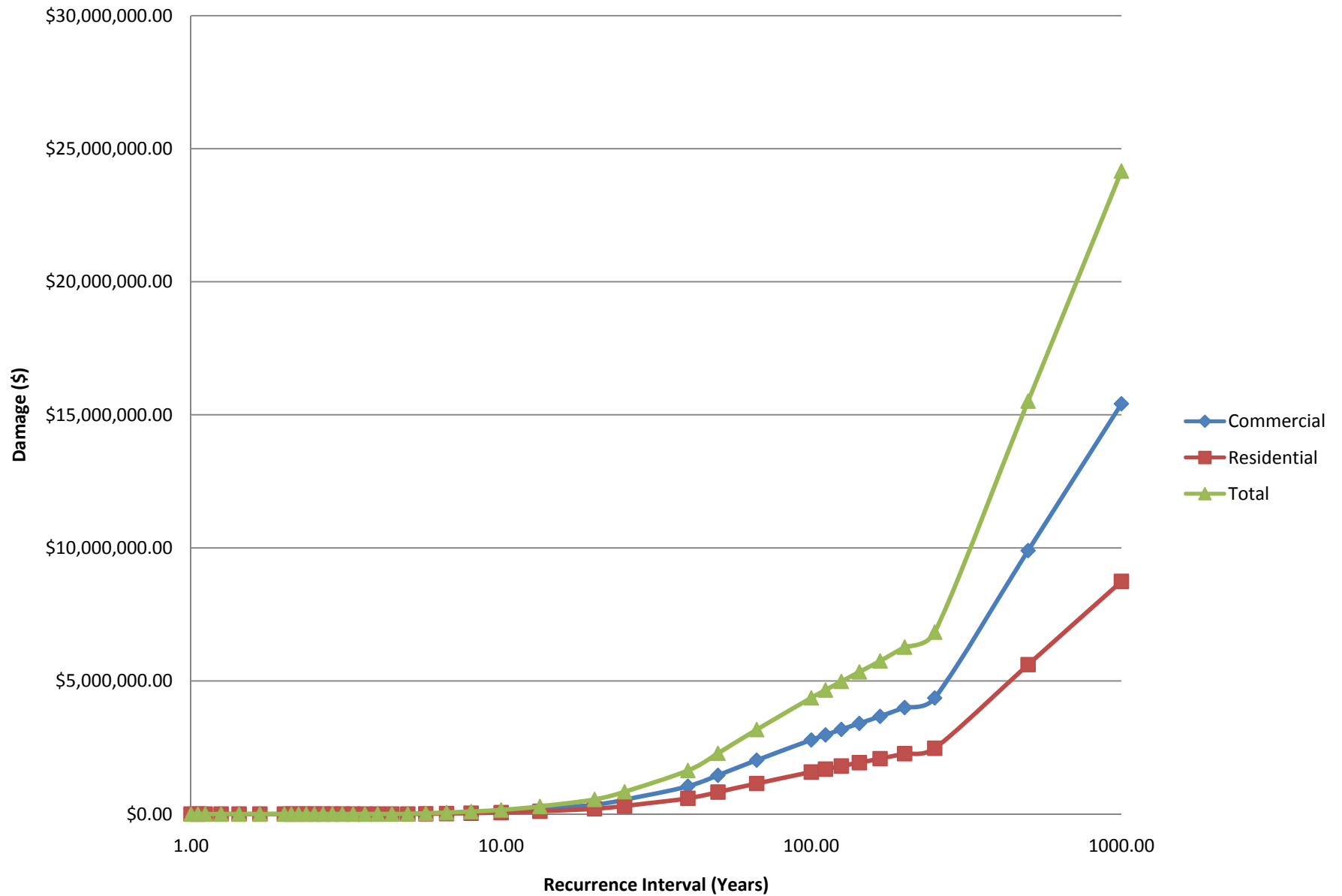




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 28  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$1,000.00	\$0.00	\$1,000.00
4.44	0.2250	\$2,000.00	\$1,000.00	\$3,000.00
5.00	0.2000	\$5,000.00	\$3,000.00	\$8,000.00
5.71	0.1750	\$19,000.00	\$11,000.00	\$30,000.00
6.67	0.1500	\$36,000.00	\$20,000.00	\$56,000.00
8.00	0.1250	\$59,000.00	\$33,000.00	\$92,000.00
10.00	0.1000	\$98,000.00	\$56,000.00	\$154,000.00
13.33	0.0750	\$182,000.00	\$103,000.00	\$285,000.00
20.00	0.0500	\$351,000.00	\$199,000.00	\$550,000.00
25.00	0.0400	\$535,000.00	\$303,000.00	\$838,000.00
40.00	0.0250	\$1,045,000.00	\$592,000.00	\$1,637,000.00
50.00	0.0200	\$1,456,000.00	\$826,000.00	\$2,282,000.00
66.67	0.0150	\$2,026,000.00	\$1,149,000.00	\$3,175,000.00
100.00	0.0100	\$2,786,000.00	\$1,580,000.00	\$4,366,000.00
111.11	0.0090	\$2,974,000.00	\$1,687,000.00	\$4,661,000.00
125.00	0.0080	\$3,180,000.00	\$1,804,000.00	\$4,984,000.00
142.86	0.0070	\$3,408,000.00	\$1,933,000.00	\$5,341,000.00
166.67	0.0060	\$3,671,000.00	\$2,082,000.00	\$5,753,000.00
200.00	0.0050	\$4,002,000.00	\$2,270,000.00	\$6,272,000.00
250.00	0.0040	\$4,362,000.00	\$2,474,000.00	\$6,836,000.00
500.00	0.0020	\$9,901,000.00	\$5,615,000.00	\$15,516,000.00
1000.00	0.0010	\$15,417,000.00	\$8,744,000.00	\$24,161,000.00

## Exceedance Probability - Damage Function, DR-28

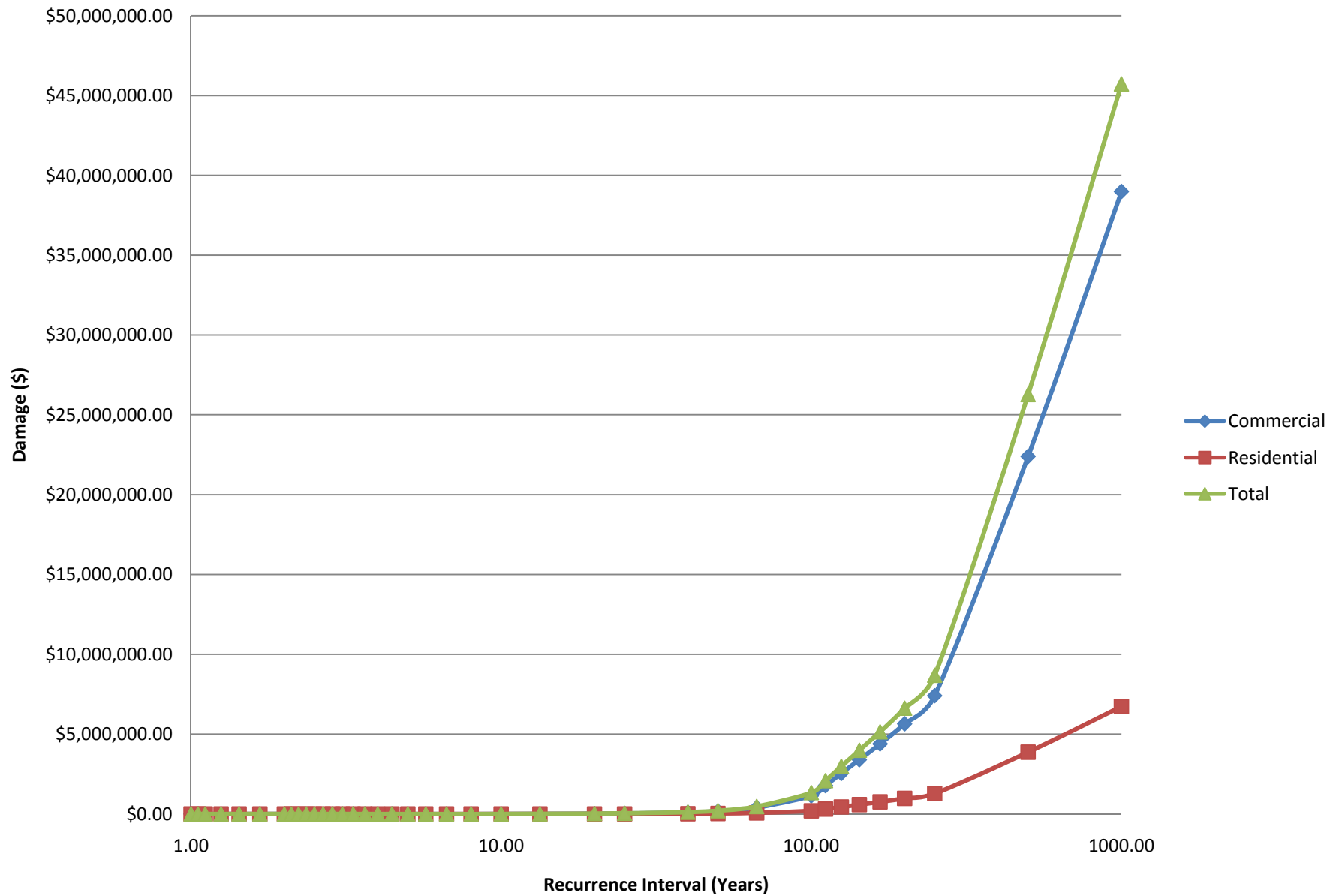




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 29  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$3,000.00	\$1,000.00	\$4,000.00
20.00	0.0500	\$18,000.00	\$3,000.00	\$21,000.00
25.00	0.0400	\$35,000.00	\$6,000.00	\$41,000.00
40.00	0.0250	\$96,000.00	\$17,000.00	\$113,000.00
50.00	0.0200	\$174,000.00	\$30,000.00	\$204,000.00
66.67	0.0150	\$399,000.00	\$69,000.00	\$468,000.00
100.00	0.0100	\$1,140,000.00	\$197,000.00	\$1,337,000.00
111.11	0.0090	\$1,780,000.00	\$308,000.00	\$2,088,000.00
125.00	0.0080	\$2,547,000.00	\$440,000.00	\$2,987,000.00
142.86	0.0070	\$3,404,000.00	\$588,000.00	\$3,992,000.00
166.67	0.0060	\$4,391,000.00	\$759,000.00	\$5,150,000.00
200.00	0.0050	\$5,652,000.00	\$977,000.00	\$6,629,000.00
250.00	0.0040	\$7,413,000.00	\$1,281,000.00	\$8,694,000.00
500.00	0.0020	\$22,406,000.00	\$3,872,000.00	\$26,278,000.00
1000.00	0.0010	\$38,993,000.00	\$6,738,000.00	\$45,731,000.00

## Exceedance Probability - Damage Function, DR-29

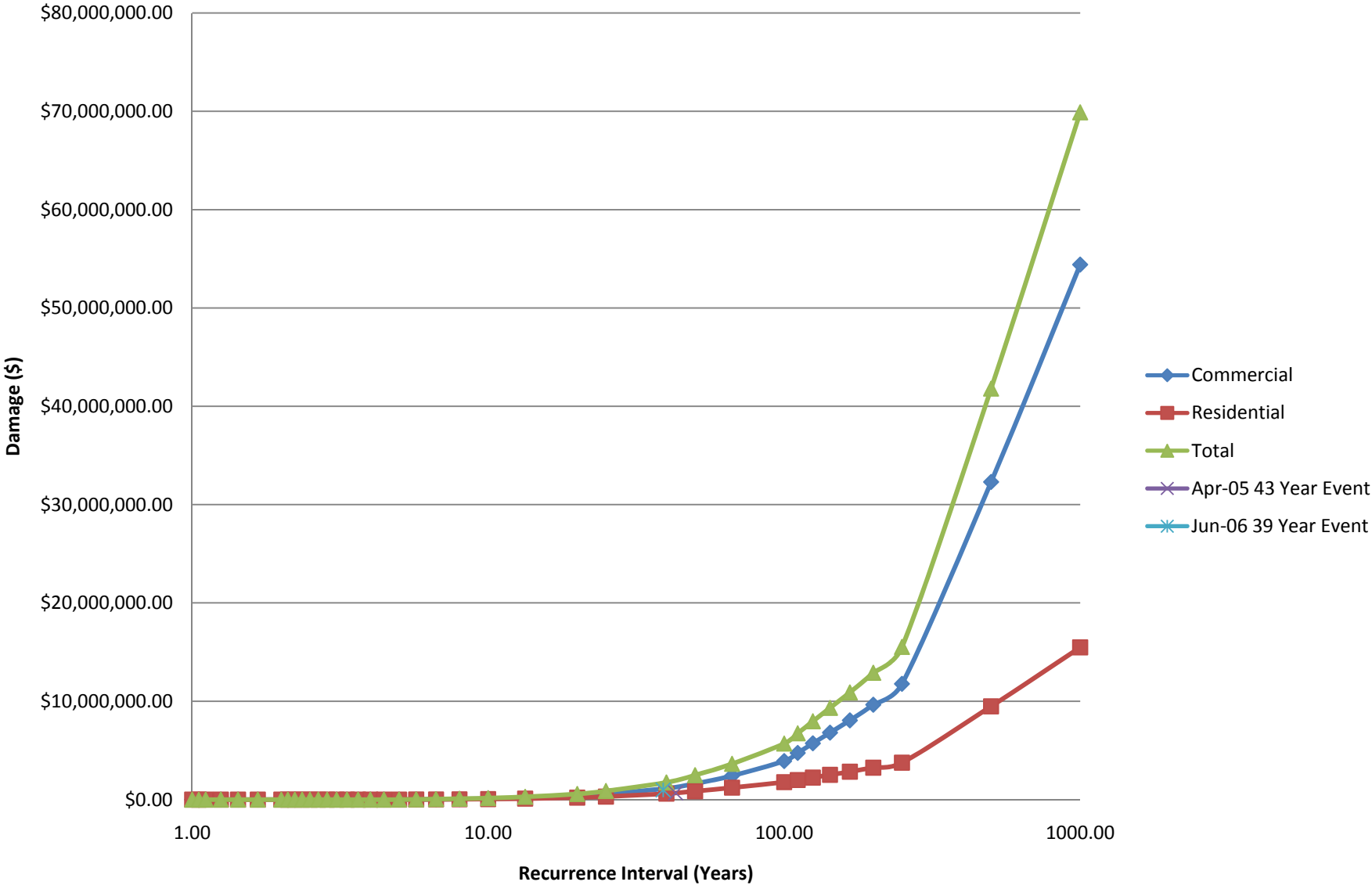




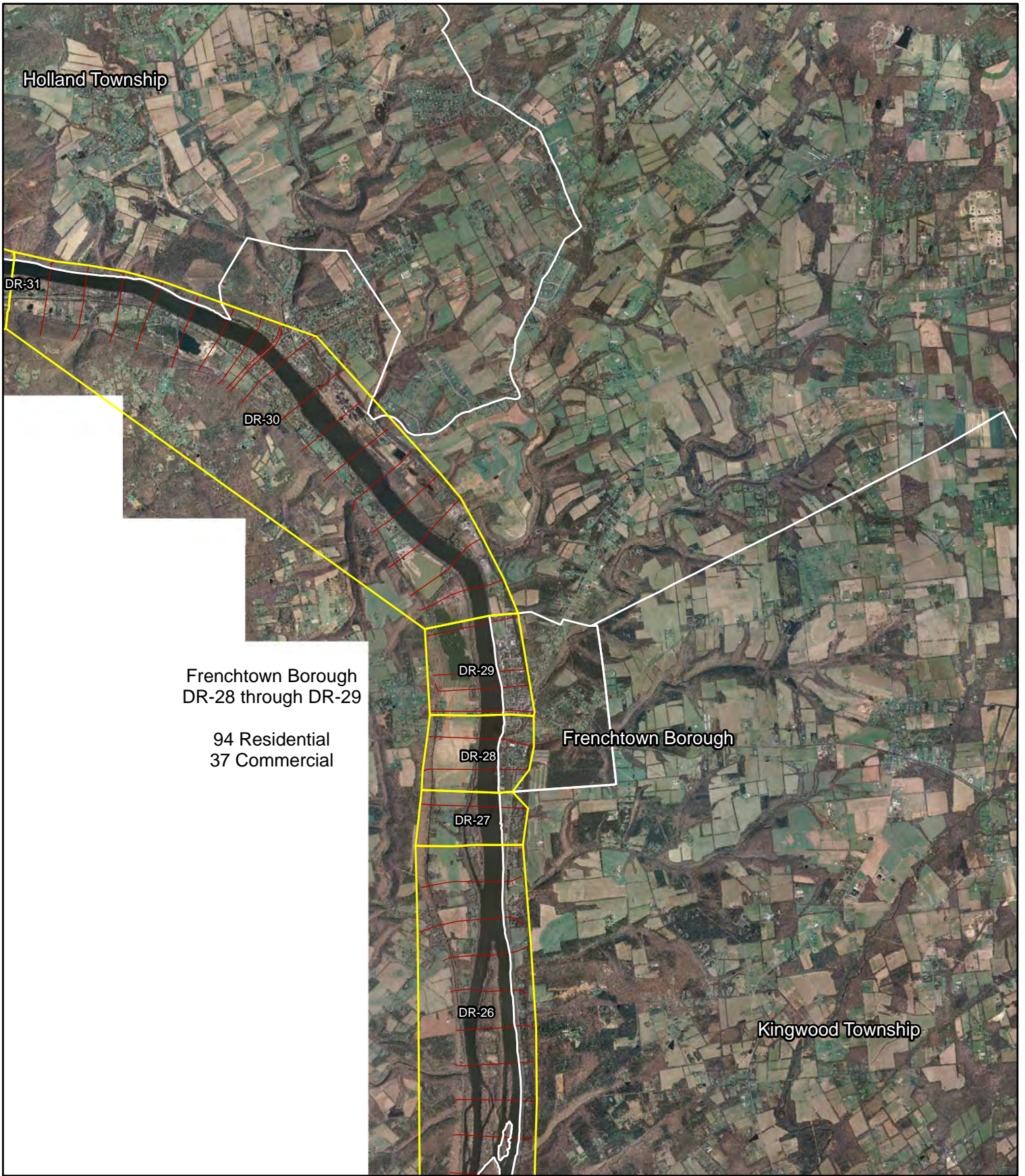
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Frenchtown Borough, Damage Reaches 28-30  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$1,000.00	\$0.00	\$1,000.00
4.44	0.2250	\$2,000.00	\$1,000.00	\$3,000.00
5.00	0.2000	\$5,000.00	\$3,000.00	\$8,000.00
5.71	0.1750	\$19,000.00	\$11,000.00	\$30,000.00
6.67	0.1500	\$36,000.00	\$20,000.00	\$56,000.00
8.00	0.1250	\$59,000.00	\$33,000.00	\$92,000.00
10.00	0.1000	\$98,000.00	\$56,000.00	\$154,000.00
13.33	0.0750	\$185,000.00	\$104,000.00	\$289,000.00
20.00	0.0500	\$369,000.00	\$202,000.00	\$571,000.00
25.00	0.0400	\$570,000.00	\$309,000.00	\$879,000.00
40.00	0.0250	\$1,141,000.00	\$609,000.00	\$1,750,000.00
50.00	0.0200	\$1,630,000.00	\$856,000.00	\$2,486,000.00
66.67	0.0150	\$2,425,000.00	\$1,218,000.00	\$3,643,000.00
100.00	0.0100	\$3,926,000.00	\$1,777,000.00	\$5,703,000.00
111.11	0.0090	\$4,754,000.00	\$1,995,000.00	\$6,749,000.00
125.00	0.0080	\$5,727,000.00	\$2,244,000.00	\$7,971,000.00
142.86	0.0070	\$6,812,000.00	\$2,521,000.00	\$9,333,000.00
166.67	0.0060	\$8,062,000.00	\$2,841,000.00	\$10,903,000.00
200.00	0.0050	\$9,654,000.00	\$3,247,000.00	\$12,901,000.00
250.00	0.0040	\$11,775,000.00	\$3,755,000.00	\$15,530,000.00
500.00	0.0020	\$32,307,000.00	\$9,487,000.00	\$41,794,000.00
1000.00	0.0010	\$54,410,000.00	\$15,482,000.00	\$69,892,000.00

# Exceedance Probability - Damage Function (Summed), Frenchtown Borough





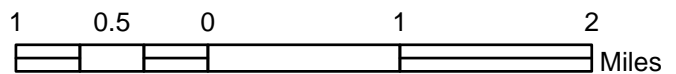


Delaware River Basin, NJ Comprehensive Study  
Frenchtown Borough



Legend

- Damage Reaches
- Municipalities
- Cross Section

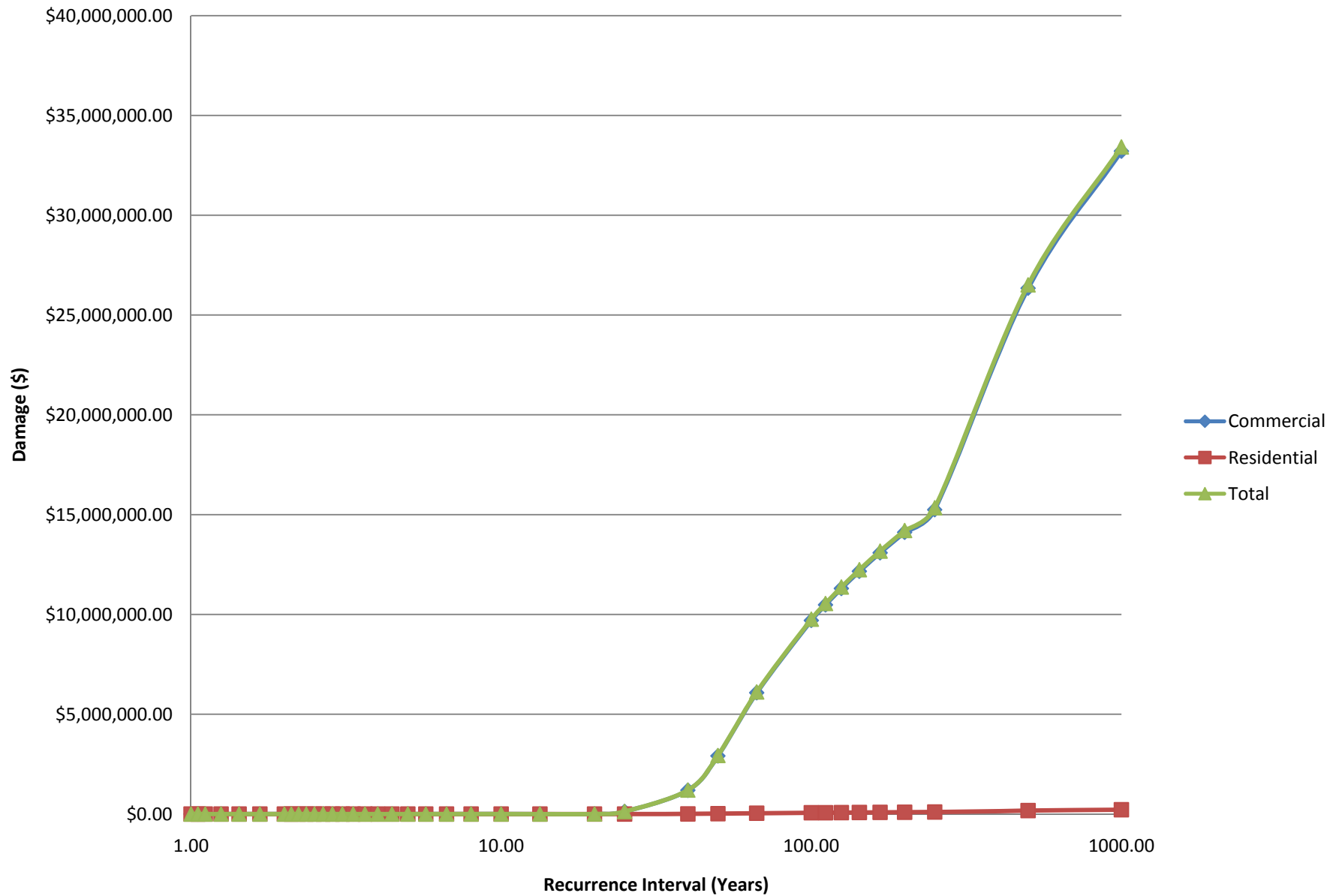




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 31  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$2,000.00	\$0.00	\$2,000.00
20.00	0.0500	\$4,000.00	\$0.00	\$4,000.00
25.00	0.0400	\$128,000.00	\$1,000.00	\$129,000.00
40.00	0.0250	\$1,194,000.00	\$8,000.00	\$1,202,000.00
50.00	0.0200	\$2,914,000.00	\$19,000.00	\$2,933,000.00
66.67	0.0150	\$6,079,000.00	\$39,000.00	\$6,118,000.00
100.00	0.0100	\$9,701,000.00	\$63,000.00	\$9,764,000.00
111.11	0.0090	\$10,482,000.00	\$68,000.00	\$10,550,000.00
125.00	0.0080	\$11,302,000.00	\$73,000.00	\$11,375,000.00
142.86	0.0070	\$12,163,000.00	\$79,000.00	\$12,242,000.00
166.67	0.0060	\$13,090,000.00	\$85,000.00	\$13,175,000.00
200.00	0.0050	\$14,116,000.00	\$91,000.00	\$14,207,000.00
250.00	0.0040	\$15,247,000.00	\$99,000.00	\$15,346,000.00
500.00	0.0020	\$26,345,000.00	\$171,000.00	\$26,516,000.00
1000.00	0.0010	\$33,211,000.00	\$215,000.00	\$33,426,000.00

## Exceedance Probability - Damage Function, DR-31

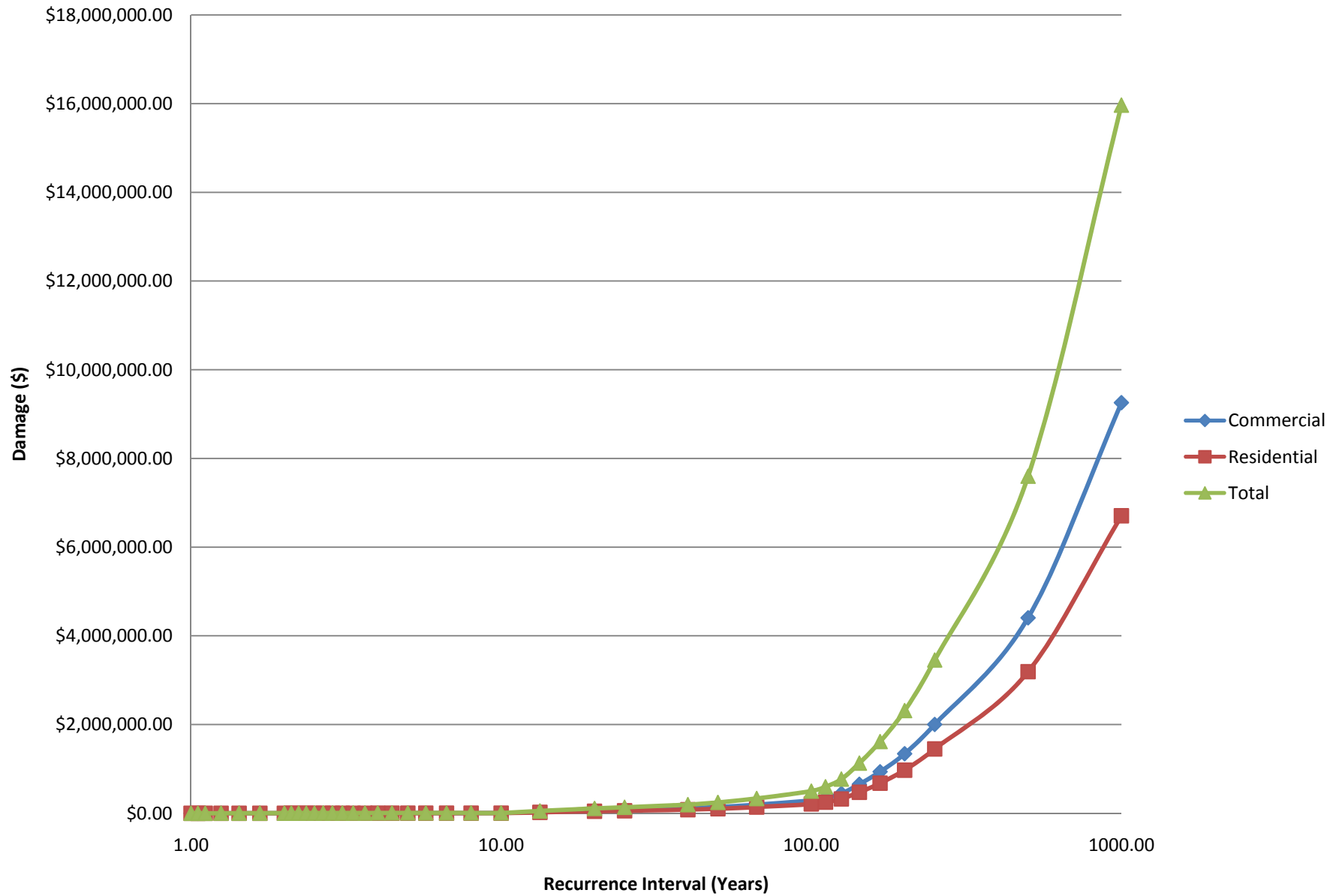




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 33  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$1,000.00	\$1,000.00	\$2,000.00
1.43	0.7000	\$1,000.00	\$1,000.00	\$2,000.00
1.67	0.6000	\$2,000.00	\$1,000.00	\$3,000.00
2.00	0.5000	\$2,000.00	\$2,000.00	\$4,000.00
2.11	0.4750	\$2,000.00	\$2,000.00	\$4,000.00
2.22	0.4500	\$3,000.00	\$2,000.00	\$5,000.00
2.35	0.4250	\$3,000.00	\$2,000.00	\$5,000.00
2.50	0.4000	\$3,000.00	\$2,000.00	\$5,000.00
2.67	0.3750	\$3,000.00	\$2,000.00	\$5,000.00
2.86	0.3500	\$3,000.00	\$2,000.00	\$5,000.00
3.08	0.3250	\$3,000.00	\$2,000.00	\$5,000.00
3.33	0.3000	\$3,000.00	\$2,000.00	\$5,000.00
3.64	0.2750	\$3,000.00	\$2,000.00	\$5,000.00
4.00	0.2500	\$4,000.00	\$3,000.00	\$7,000.00
4.44	0.2250	\$4,000.00	\$3,000.00	\$7,000.00
5.00	0.2000	\$4,000.00	\$3,000.00	\$7,000.00
5.71	0.1750	\$4,000.00	\$3,000.00	\$7,000.00
6.67	0.1500	\$4,000.00	\$3,000.00	\$7,000.00
8.00	0.1250	\$4,000.00	\$3,000.00	\$7,000.00
10.00	0.1000	\$4,000.00	\$3,000.00	\$7,000.00
13.33	0.0750	\$30,000.00	\$22,000.00	\$52,000.00
20.00	0.0500	\$64,000.00	\$46,000.00	\$110,000.00
25.00	0.0400	\$78,000.00	\$57,000.00	\$135,000.00
40.00	0.0250	\$113,000.00	\$82,000.00	\$195,000.00
50.00	0.0200	\$142,000.00	\$103,000.00	\$245,000.00
66.67	0.0150	\$194,000.00	\$140,000.00	\$334,000.00
100.00	0.0100	\$290,000.00	\$210,000.00	\$500,000.00
111.11	0.0090	\$347,000.00	\$251,000.00	\$598,000.00
125.00	0.0080	\$447,000.00	\$324,000.00	\$771,000.00
142.86	0.0070	\$656,000.00	\$475,000.00	\$1,131,000.00
166.67	0.0060	\$938,000.00	\$680,000.00	\$1,618,000.00
200.00	0.0050	\$1,343,000.00	\$973,000.00	\$2,316,000.00
250.00	0.0040	\$2,004,000.00	\$1,452,000.00	\$3,456,000.00
500.00	0.0020	\$4,407,000.00	\$3,193,000.00	\$7,600,000.00
1000.00	0.0010	\$9,258,000.00	\$6,708,000.00	\$15,966,000.00

## Exceedance Probability - Damage Function, DR-33

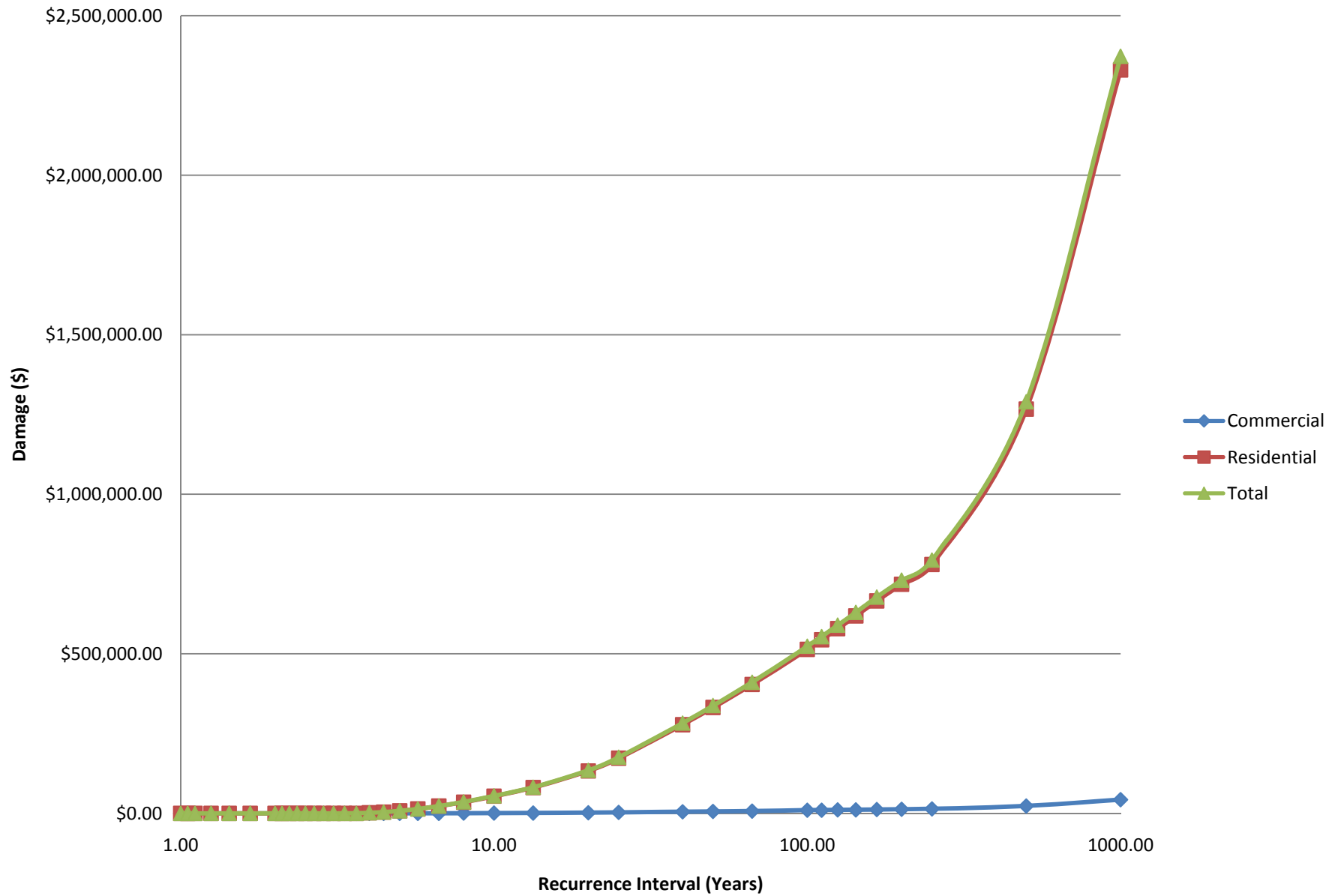




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 34  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$2,000.00	\$2,000.00
4.44	0.2250	\$0.00	\$4,000.00	\$4,000.00
5.00	0.2000	\$0.00	\$8,000.00	\$8,000.00
5.71	0.1750	\$0.00	\$14,000.00	\$14,000.00
6.67	0.1500	\$0.00	\$23,000.00	\$23,000.00
8.00	0.1250	\$1,000.00	\$35,000.00	\$36,000.00
10.00	0.1000	\$1,000.00	\$54,000.00	\$55,000.00
13.33	0.0750	\$1,000.00	\$81,000.00	\$82,000.00
20.00	0.0500	\$2,000.00	\$133,000.00	\$135,000.00
25.00	0.0400	\$3,000.00	\$173,000.00	\$176,000.00
40.00	0.0250	\$5,000.00	\$278,000.00	\$283,000.00
50.00	0.0200	\$6,000.00	\$332,000.00	\$338,000.00
66.67	0.0150	\$7,000.00	\$404,000.00	\$411,000.00
100.00	0.0100	\$10,000.00	\$514,000.00	\$524,000.00
111.11	0.0090	\$10,000.00	\$544,000.00	\$554,000.00
125.00	0.0080	\$11,000.00	\$579,000.00	\$590,000.00
142.86	0.0070	\$11,000.00	\$619,000.00	\$630,000.00
166.67	0.0060	\$12,000.00	\$666,000.00	\$678,000.00
200.00	0.0050	\$13,000.00	\$718,000.00	\$731,000.00
250.00	0.0040	\$14,000.00	\$780,000.00	\$794,000.00
500.00	0.0020	\$23,000.00	\$1,267,000.00	\$1,290,000.00
1000.00	0.0010	\$43,000.00	\$2,330,000.00	\$2,373,000.00

## Exceedance Probability - Damage Function, DR-34



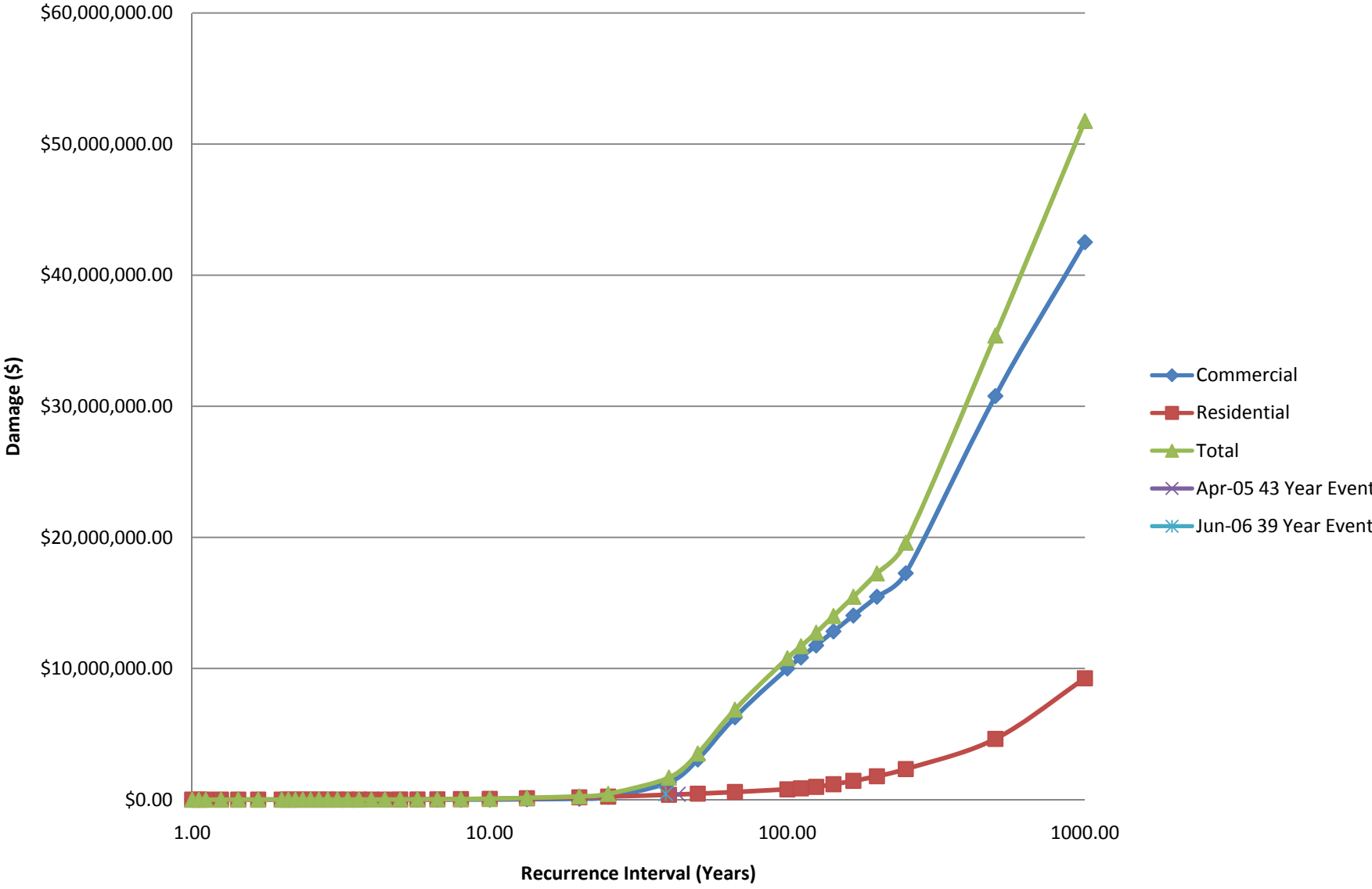


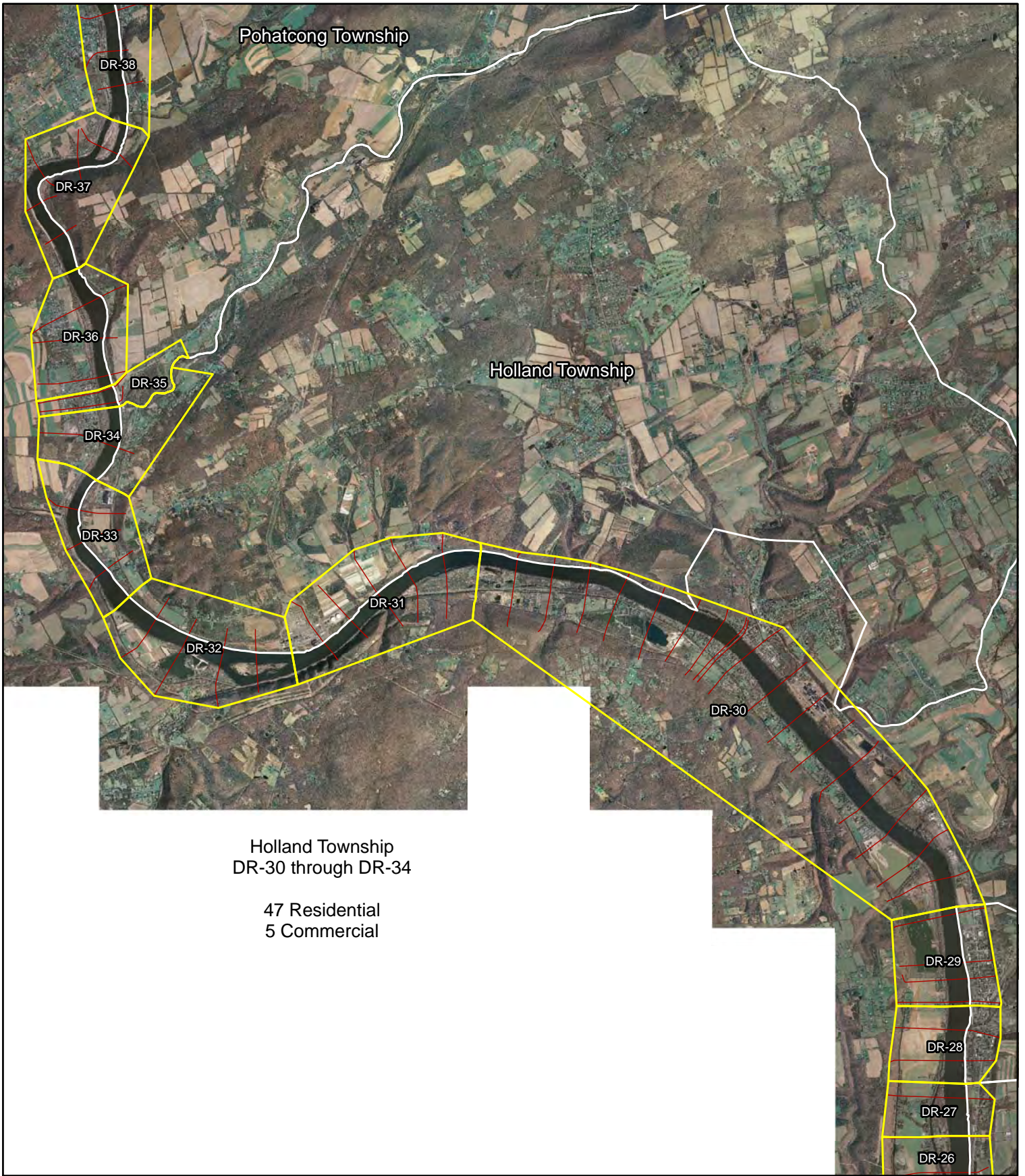
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Holland Township, Damage Reaches 31-34  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$1,000.00	\$1,000.00	\$2,000.00
1.43	0.7000	\$1,000.00	\$1,000.00	\$2,000.00
1.67	0.6000	\$2,000.00	\$1,000.00	\$3,000.00
2.00	0.5000	\$2,000.00	\$2,000.00	\$4,000.00
2.11	0.4750	\$2,000.00	\$2,000.00	\$4,000.00
2.22	0.4500	\$3,000.00	\$2,000.00	\$5,000.00
2.35	0.4250	\$3,000.00	\$2,000.00	\$5,000.00
2.50	0.4000	\$3,000.00	\$2,000.00	\$5,000.00
2.67	0.3750	\$3,000.00	\$2,000.00	\$5,000.00
2.86	0.3500	\$3,000.00	\$2,000.00	\$5,000.00
3.08	0.3250	\$3,000.00	\$2,000.00	\$5,000.00
3.33	0.3000	\$3,000.00	\$2,000.00	\$5,000.00
3.64	0.2750	\$3,000.00	\$2,000.00	\$5,000.00
4.00	0.2500	\$4,000.00	\$5,000.00	\$9,000.00
4.44	0.2250	\$4,000.00	\$7,000.00	\$11,000.00
5.00	0.2000	\$4,000.00	\$11,000.00	\$15,000.00
5.71	0.1750	\$4,000.00	\$17,000.00	\$21,000.00
6.67	0.1500	\$4,000.00	\$26,000.00	\$30,000.00
8.00	0.1250	\$5,000.00	\$38,000.00	\$43,000.00
10.00	0.1000	\$5,000.00	\$57,000.00	\$62,000.00
13.33	0.0750	\$33,000.00	\$103,000.00	\$136,000.00
20.00	0.0500	\$70,000.00	\$179,000.00	\$249,000.00
25.00	0.0400	\$209,000.00	\$231,000.00	\$440,000.00
40.00	0.0250	\$1,312,000.00	\$368,000.00	\$1,680,000.00
50.00	0.0200	\$3,062,000.00	\$454,000.00	\$3,516,000.00
66.67	0.0150	\$6,280,000.00	\$583,000.00	\$6,863,000.00
100.00	0.0100	\$10,001,000.00	\$787,000.00	\$10,788,000.00
111.11	0.0090	\$10,839,000.00	\$863,000.00	\$11,702,000.00
125.00	0.0080	\$11,760,000.00	\$976,000.00	\$12,736,000.00
142.86	0.0070	\$12,830,000.00	\$1,173,000.00	\$14,003,000.00
166.67	0.0060	\$14,040,000.00	\$1,431,000.00	\$15,471,000.00
200.00	0.0050	\$15,472,000.00	\$1,782,000.00	\$17,254,000.00
250.00	0.0040	\$17,265,000.00	\$2,331,000.00	\$19,596,000.00
500.00	0.0020	\$30,775,000.00	\$4,631,000.00	\$35,406,000.00
1000.00	0.0010	\$42,512,000.00	\$9,253,000.00	\$51,765,000.00



# Exceedance Probability - Damage Function (Summed), Holland Township






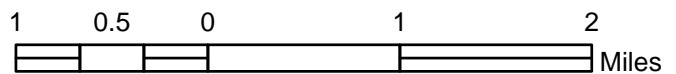


Delaware River Basin, NJ Comprehensive Study  
Holland Township



Legend

-  Damage Reaches
-  Municipalities
-  Cross Section

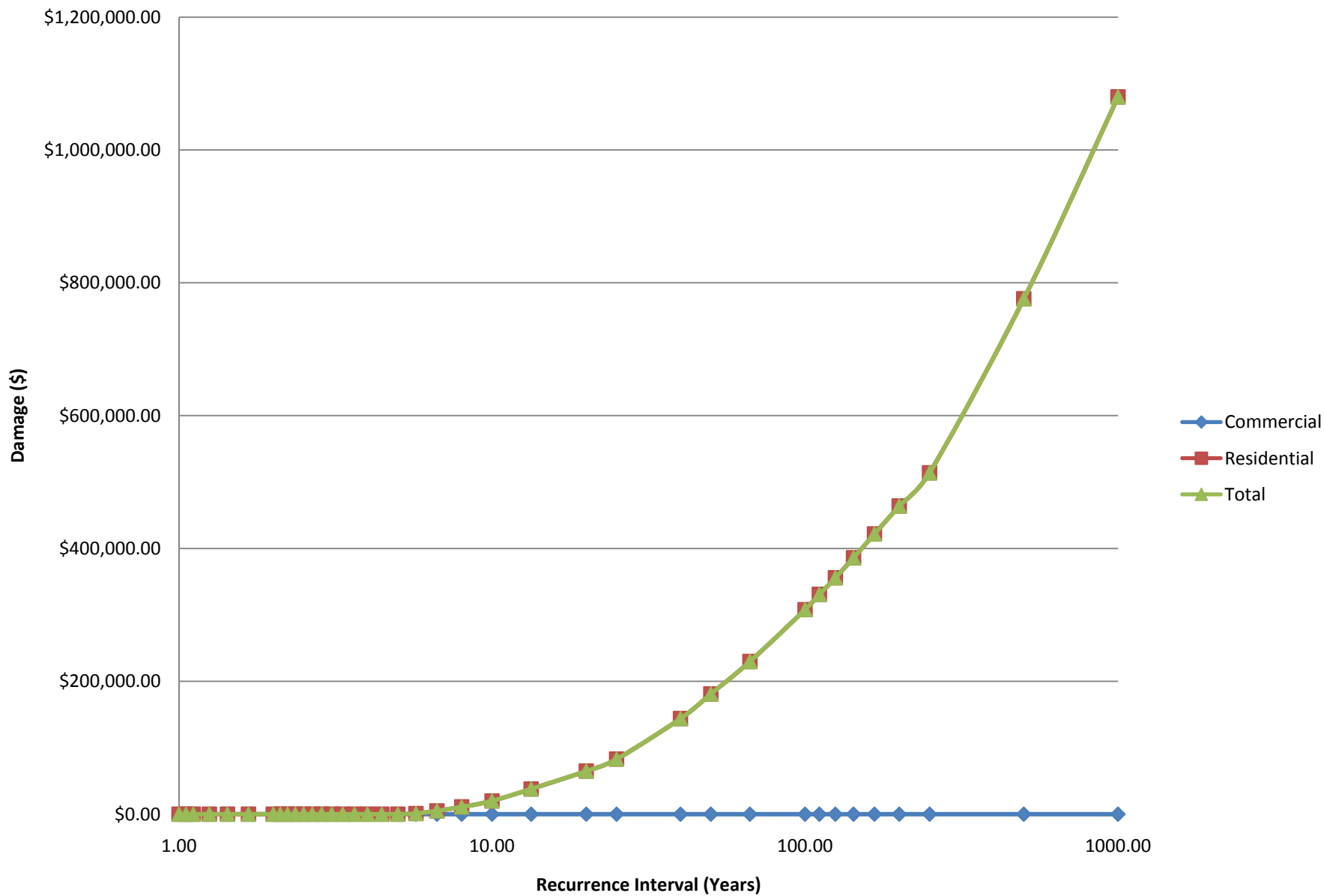




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 35  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$1,000.00	\$1,000.00
6.67	0.1500	\$0.00	\$5,000.00	\$5,000.00
8.00	0.1250	\$0.00	\$11,000.00	\$11,000.00
10.00	0.1000	\$0.00	\$20,000.00	\$20,000.00
13.33	0.0750	\$0.00	\$38,000.00	\$38,000.00
20.00	0.0500	\$0.00	\$65,000.00	\$65,000.00
25.00	0.0400	\$0.00	\$83,000.00	\$83,000.00
40.00	0.0250	\$0.00	\$144,000.00	\$144,000.00
50.00	0.0200	\$0.00	\$181,000.00	\$181,000.00
66.67	0.0150	\$0.00	\$230,000.00	\$230,000.00
100.00	0.0100	\$0.00	\$308,000.00	\$308,000.00
111.11	0.0090	\$0.00	\$331,000.00	\$331,000.00
125.00	0.0080	\$0.00	\$356,000.00	\$356,000.00
142.86	0.0070	\$0.00	\$386,000.00	\$386,000.00
166.67	0.0060	\$0.00	\$422,000.00	\$422,000.00
200.00	0.0050	\$0.00	\$464,000.00	\$464,000.00
250.00	0.0040	\$0.00	\$514,000.00	\$514,000.00
500.00	0.0020	\$0.00	\$776,000.00	\$776,000.00
1000.00	0.0010	\$0.00	\$1,080,000.00	\$1,080,000.00

### Exceedance Probability - Damage Function, DR-35

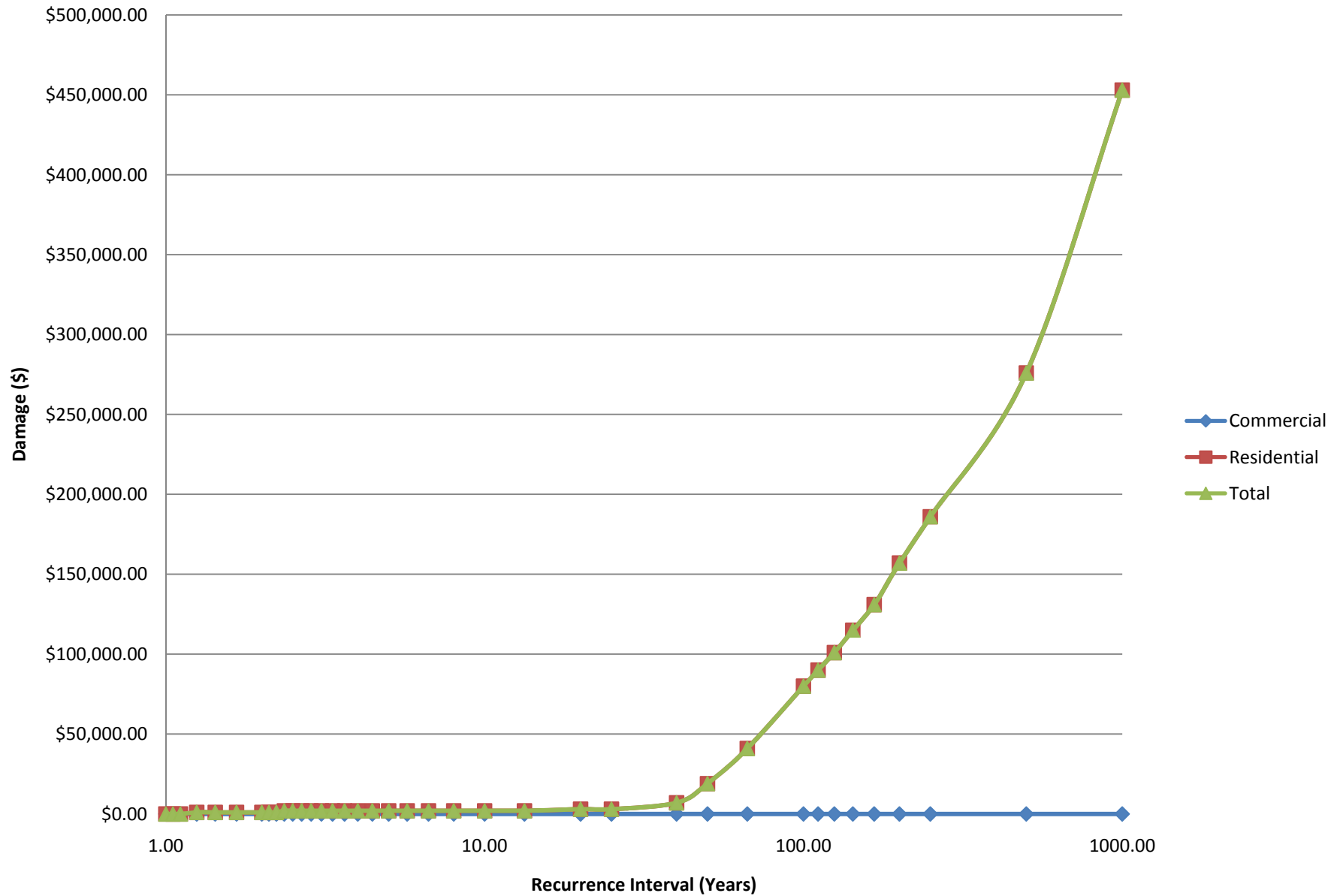




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 36  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$1,000.00	\$1,000.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$2,000.00	\$2,000.00
2.50	0.4000	\$0.00	\$2,000.00	\$2,000.00
2.67	0.3750	\$0.00	\$2,000.00	\$2,000.00
2.86	0.3500	\$0.00	\$2,000.00	\$2,000.00
3.08	0.3250	\$0.00	\$2,000.00	\$2,000.00
3.33	0.3000	\$0.00	\$2,000.00	\$2,000.00
3.64	0.2750	\$0.00	\$2,000.00	\$2,000.00
4.00	0.2500	\$0.00	\$2,000.00	\$2,000.00
4.44	0.2250	\$0.00	\$2,000.00	\$2,000.00
5.00	0.2000	\$0.00	\$2,000.00	\$2,000.00
5.71	0.1750	\$0.00	\$2,000.00	\$2,000.00
6.67	0.1500	\$0.00	\$2,000.00	\$2,000.00
8.00	0.1250	\$0.00	\$2,000.00	\$2,000.00
10.00	0.1000	\$0.00	\$2,000.00	\$2,000.00
13.33	0.0750	\$0.00	\$2,000.00	\$2,000.00
20.00	0.0500	\$0.00	\$3,000.00	\$3,000.00
25.00	0.0400	\$0.00	\$3,000.00	\$3,000.00
40.00	0.0250	\$0.00	\$7,000.00	\$7,000.00
50.00	0.0200	\$0.00	\$19,000.00	\$19,000.00
66.67	0.0150	\$0.00	\$41,000.00	\$41,000.00
100.00	0.0100	\$0.00	\$80,000.00	\$80,000.00
111.11	0.0090	\$0.00	\$90,000.00	\$90,000.00
125.00	0.0080	\$0.00	\$101,000.00	\$101,000.00
142.86	0.0070	\$0.00	\$115,000.00	\$115,000.00
166.67	0.0060	\$0.00	\$131,000.00	\$131,000.00
200.00	0.0050	\$0.00	\$157,000.00	\$157,000.00
250.00	0.0040	\$0.00	\$186,000.00	\$186,000.00
500.00	0.0020	\$0.00	\$276,000.00	\$276,000.00
1000.00	0.0010	\$0.00	\$453,000.00	\$453,000.00

## Exceedance Probability - Damage Function, DR-36

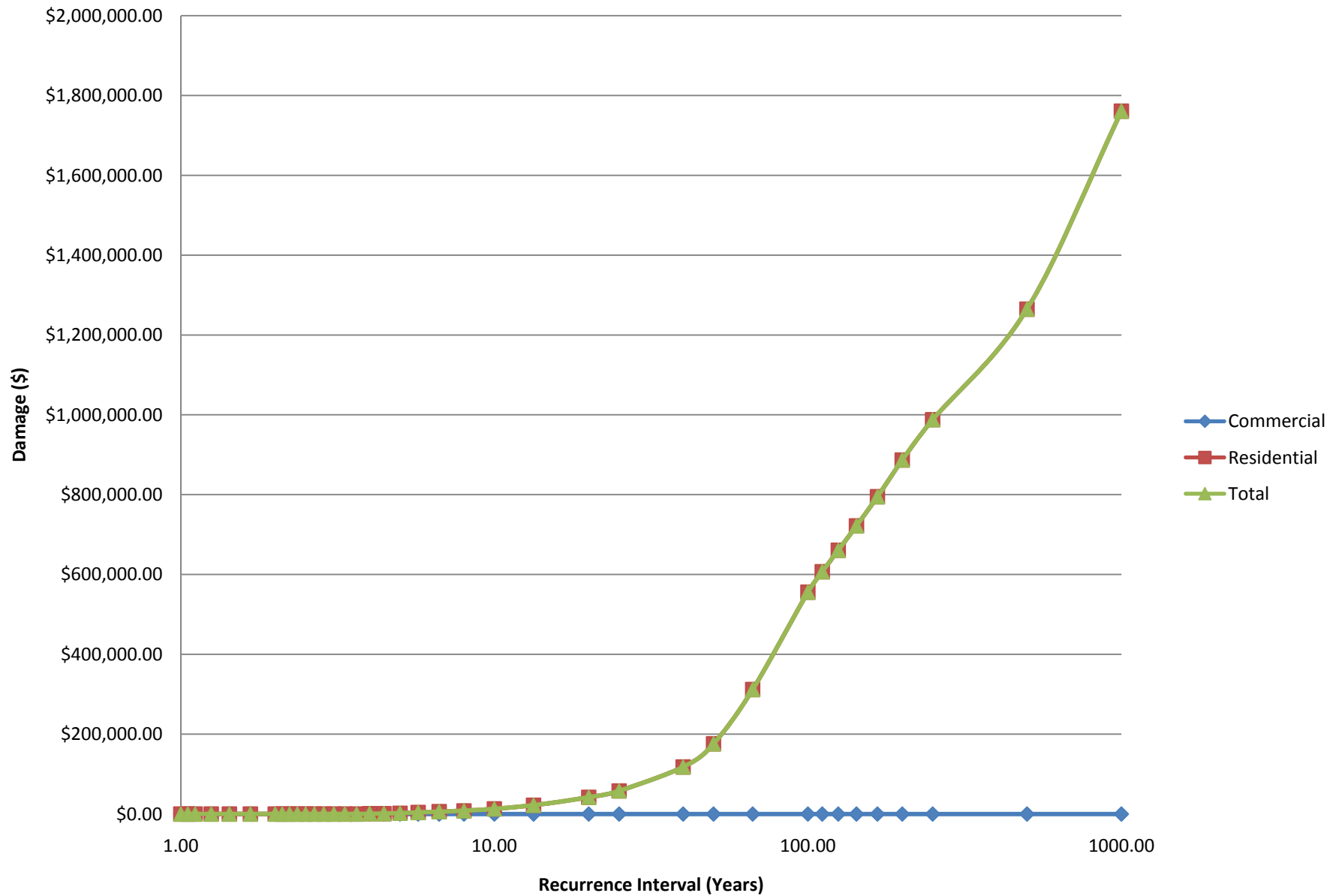




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 38  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$1,000.00	\$1,000.00
4.44	0.2250	\$0.00	\$1,000.00	\$1,000.00
5.00	0.2000	\$0.00	\$2,000.00	\$2,000.00
5.71	0.1750	\$0.00	\$4,000.00	\$4,000.00
6.67	0.1500	\$0.00	\$6,000.00	\$6,000.00
8.00	0.1250	\$0.00	\$8,000.00	\$8,000.00
10.00	0.1000	\$0.00	\$13,000.00	\$13,000.00
13.33	0.0750	\$0.00	\$22,000.00	\$22,000.00
20.00	0.0500	\$0.00	\$42,000.00	\$42,000.00
25.00	0.0400	\$0.00	\$58,000.00	\$58,000.00
40.00	0.0250	\$0.00	\$118,000.00	\$118,000.00
50.00	0.0200	\$0.00	\$176,000.00	\$176,000.00
66.67	0.0150	\$0.00	\$312,000.00	\$312,000.00
100.00	0.0100	\$0.00	\$556,000.00	\$556,000.00
111.11	0.0090	\$0.00	\$607,000.00	\$607,000.00
125.00	0.0080	\$0.00	\$661,000.00	\$661,000.00
142.86	0.0070	\$0.00	\$722,000.00	\$722,000.00
166.67	0.0060	\$0.00	\$795,000.00	\$795,000.00
200.00	0.0050	\$0.00	\$887,000.00	\$887,000.00
250.00	0.0040	\$0.00	\$988,000.00	\$988,000.00
500.00	0.0020	\$0.00	\$1,265,000.00	\$1,265,000.00
1000.00	0.0010	\$0.00	\$1,761,000.00	\$1,761,000.00

## Exceedance Probability - Damage Function, DR-38



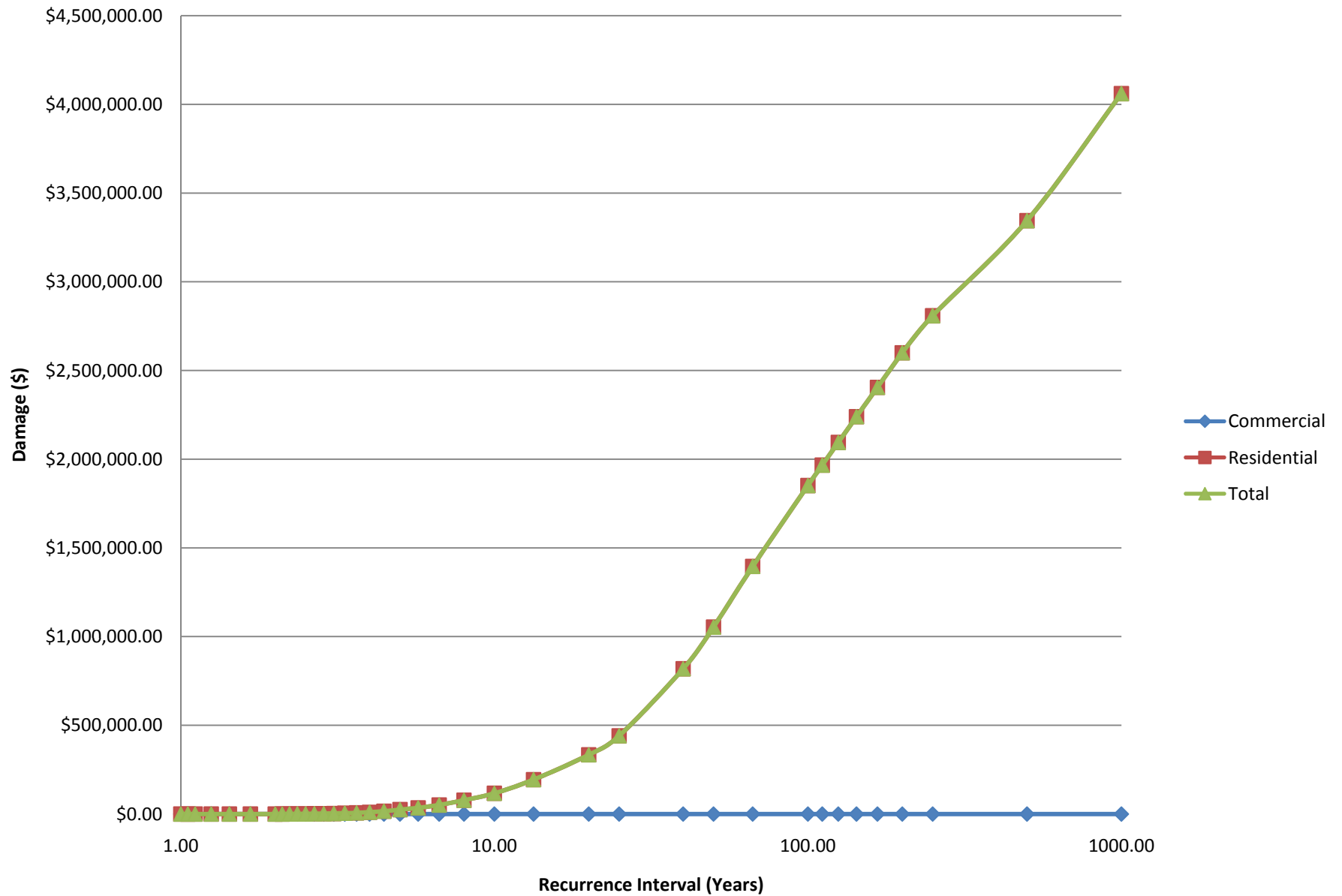




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 39  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$1,000.00	\$1,000.00
2.35	0.4250	\$0.00	\$1,000.00	\$1,000.00
2.50	0.4000	\$0.00	\$1,000.00	\$1,000.00
2.67	0.3750	\$0.00	\$2,000.00	\$2,000.00
2.86	0.3500	\$0.00	\$2,000.00	\$2,000.00
3.08	0.3250	\$0.00	\$3,000.00	\$3,000.00
3.33	0.3000	\$0.00	\$5,000.00	\$5,000.00
3.64	0.2750	\$0.00	\$7,000.00	\$7,000.00
4.00	0.2500	\$0.00	\$10,000.00	\$10,000.00
4.44	0.2250	\$0.00	\$16,000.00	\$16,000.00
5.00	0.2000	\$0.00	\$25,000.00	\$25,000.00
5.71	0.1750	\$0.00	\$35,000.00	\$35,000.00
6.67	0.1500	\$0.00	\$51,000.00	\$51,000.00
8.00	0.1250	\$0.00	\$78,000.00	\$78,000.00
10.00	0.1000	\$0.00	\$117,000.00	\$117,000.00
13.33	0.0750	\$0.00	\$194,000.00	\$194,000.00
20.00	0.0500	\$0.00	\$334,000.00	\$334,000.00
25.00	0.0400	\$0.00	\$441,000.00	\$441,000.00
40.00	0.0250	\$0.00	\$819,000.00	\$819,000.00
50.00	0.0200	\$0.00	\$1,054,000.00	\$1,054,000.00
66.67	0.0150	\$0.00	\$1,396,000.00	\$1,396,000.00
100.00	0.0100	\$0.00	\$1,852,000.00	\$1,852,000.00
111.11	0.0090	\$0.00	\$1,967,000.00	\$1,967,000.00
125.00	0.0080	\$0.00	\$2,095,000.00	\$2,095,000.00
142.86	0.0070	\$0.00	\$2,240,000.00	\$2,240,000.00
166.67	0.0060	\$0.00	\$2,405,000.00	\$2,405,000.00
200.00	0.0050	\$0.00	\$2,600,000.00	\$2,600,000.00
250.00	0.0040	\$0.00	\$2,809,000.00	\$2,809,000.00
500.00	0.0020	\$0.00	\$3,345,000.00	\$3,345,000.00
1000.00	0.0010	\$0.00	\$4,061,000.00	\$4,061,000.00

## Exceedance Probability - Damage Function, DR-39

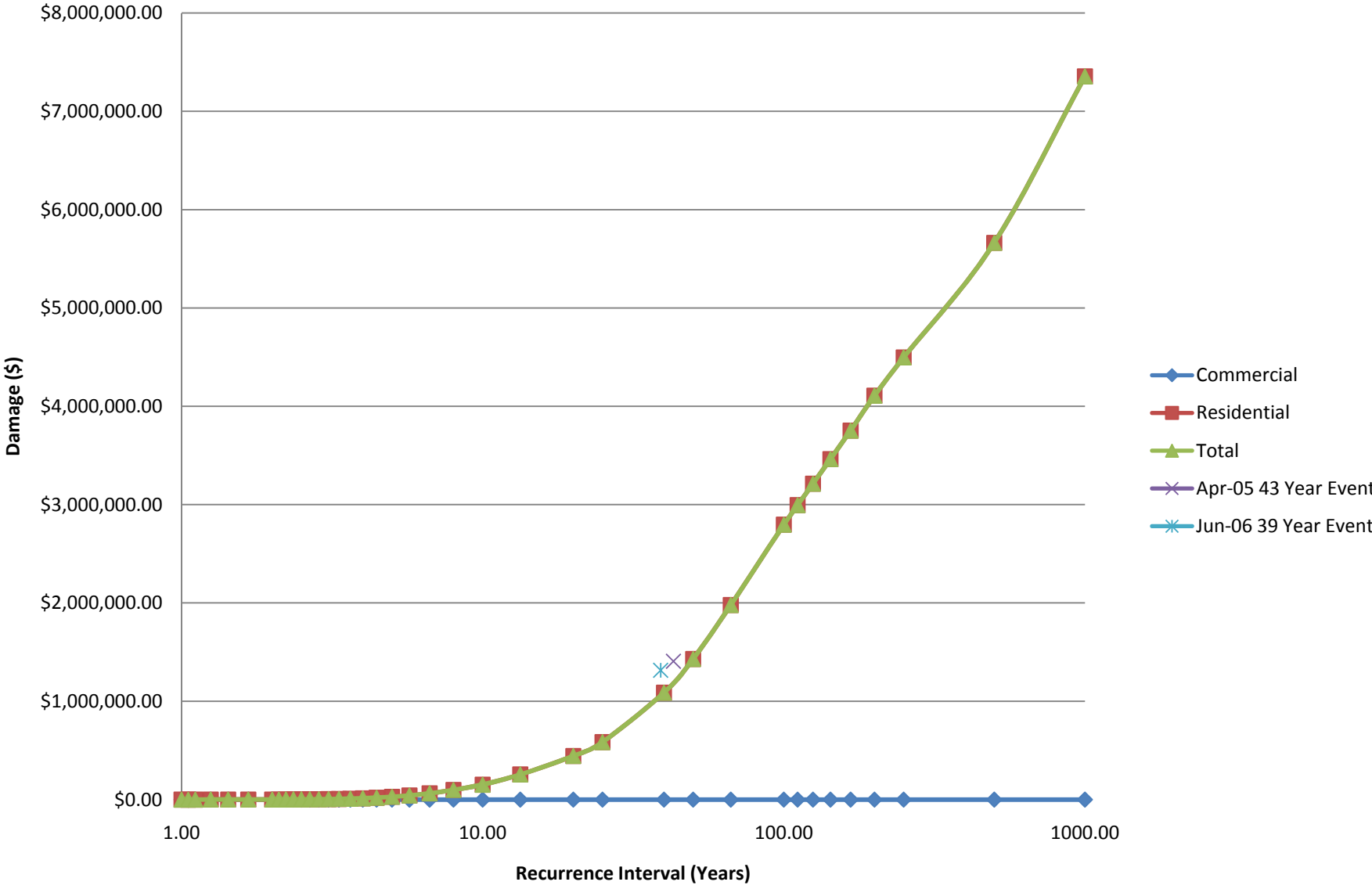


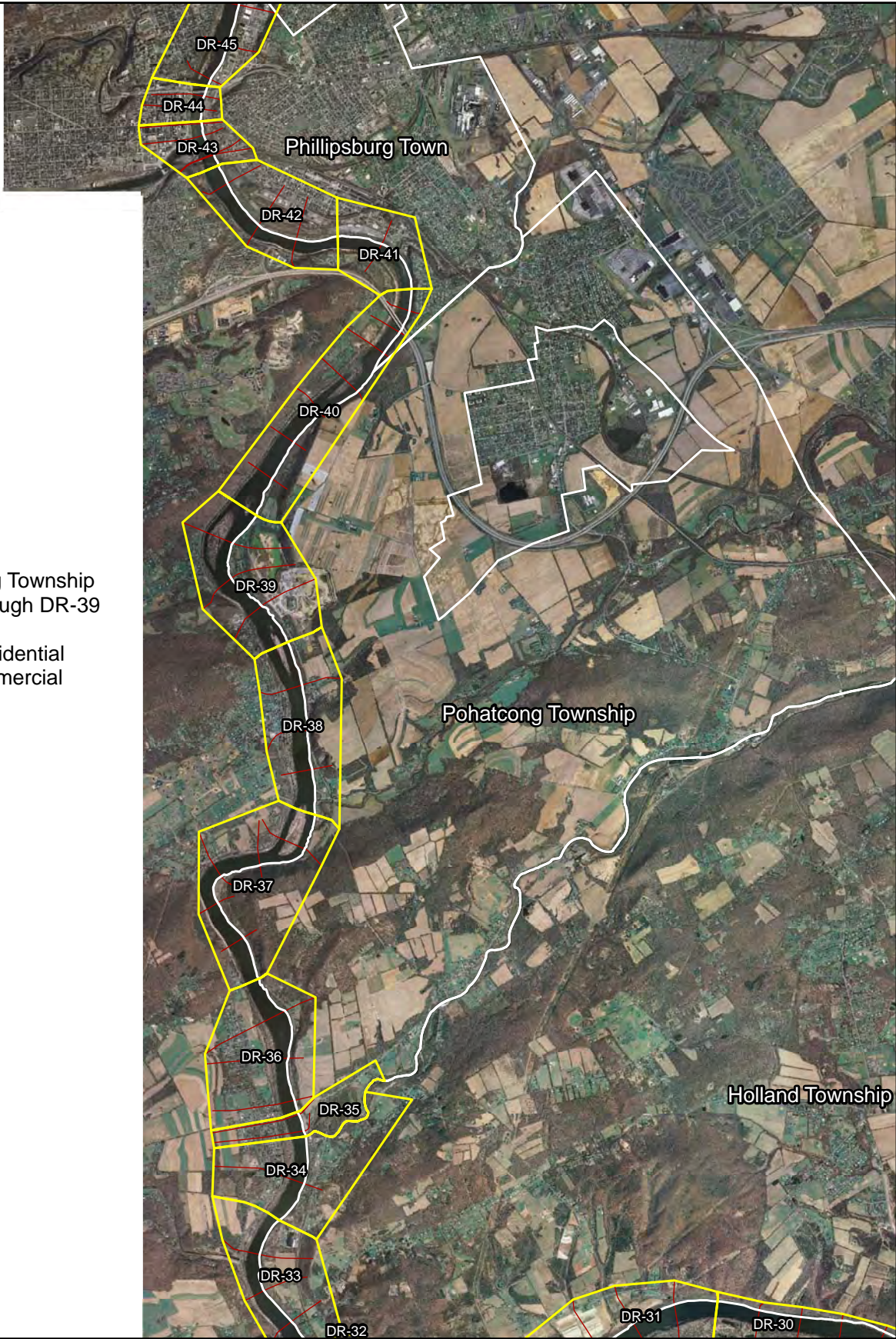


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Pohatcong Township, Damage Reaches 35-40  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$1,000.00	\$1,000.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$1,000.00	\$1,000.00
2.22	0.4500	\$0.00	\$2,000.00	\$2,000.00
2.35	0.4250	\$0.00	\$3,000.00	\$3,000.00
2.50	0.4000	\$0.00	\$3,000.00	\$3,000.00
2.67	0.3750	\$0.00	\$4,000.00	\$4,000.00
2.86	0.3500	\$0.00	\$4,000.00	\$4,000.00
3.08	0.3250	\$0.00	\$5,000.00	\$5,000.00
3.33	0.3000	\$0.00	\$7,000.00	\$7,000.00
3.64	0.2750	\$0.00	\$9,000.00	\$9,000.00
4.00	0.2500	\$0.00	\$13,000.00	\$13,000.00
4.44	0.2250	\$0.00	\$19,000.00	\$19,000.00
5.00	0.2000	\$0.00	\$29,000.00	\$29,000.00
5.71	0.1750	\$0.00	\$42,000.00	\$42,000.00
6.67	0.1500	\$0.00	\$64,000.00	\$64,000.00
8.00	0.1250	\$0.00	\$99,000.00	\$99,000.00
10.00	0.1000	\$0.00	\$152,000.00	\$152,000.00
13.33	0.0750	\$0.00	\$256,000.00	\$256,000.00
20.00	0.0500	\$0.00	\$444,000.00	\$444,000.00
25.00	0.0400	\$0.00	\$585,000.00	\$585,000.00
40.00	0.0250	\$0.00	\$1,088,000.00	\$1,088,000.00
50.00	0.0200	\$0.00	\$1,430,000.00	\$1,430,000.00
66.67	0.0150	\$0.00	\$1,979,000.00	\$1,979,000.00
100.00	0.0100	\$0.00	\$2,796,000.00	\$2,796,000.00
111.11	0.0090	\$0.00	\$2,995,000.00	\$2,995,000.00
125.00	0.0080	\$0.00	\$3,213,000.00	\$3,213,000.00
142.86	0.0070	\$0.00	\$3,463,000.00	\$3,463,000.00
166.67	0.0060	\$0.00	\$3,753,000.00	\$3,753,000.00
200.00	0.0050	\$0.00	\$4,108,000.00	\$4,108,000.00
250.00	0.0040	\$0.00	\$4,497,000.00	\$4,497,000.00
500.00	0.0020	\$0.00	\$5,662,000.00	\$5,662,000.00
1000.00	0.0010	\$0.00	\$7,355,000.00	\$7,355,000.00

# Exceedance Probability - Damage Function (Summed), Pohatcong Township





Pohatcong Township  
DR-35 through DR-39

79 Residential  
0 Commercial

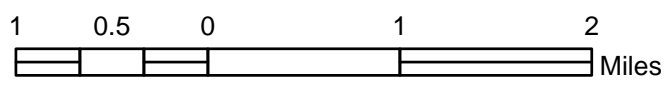


Delaware River Basin, NJ Comprehensive Study  
Pohatcong Township



Legend

- Damage Reaches
- Municipalities
- Cross Section

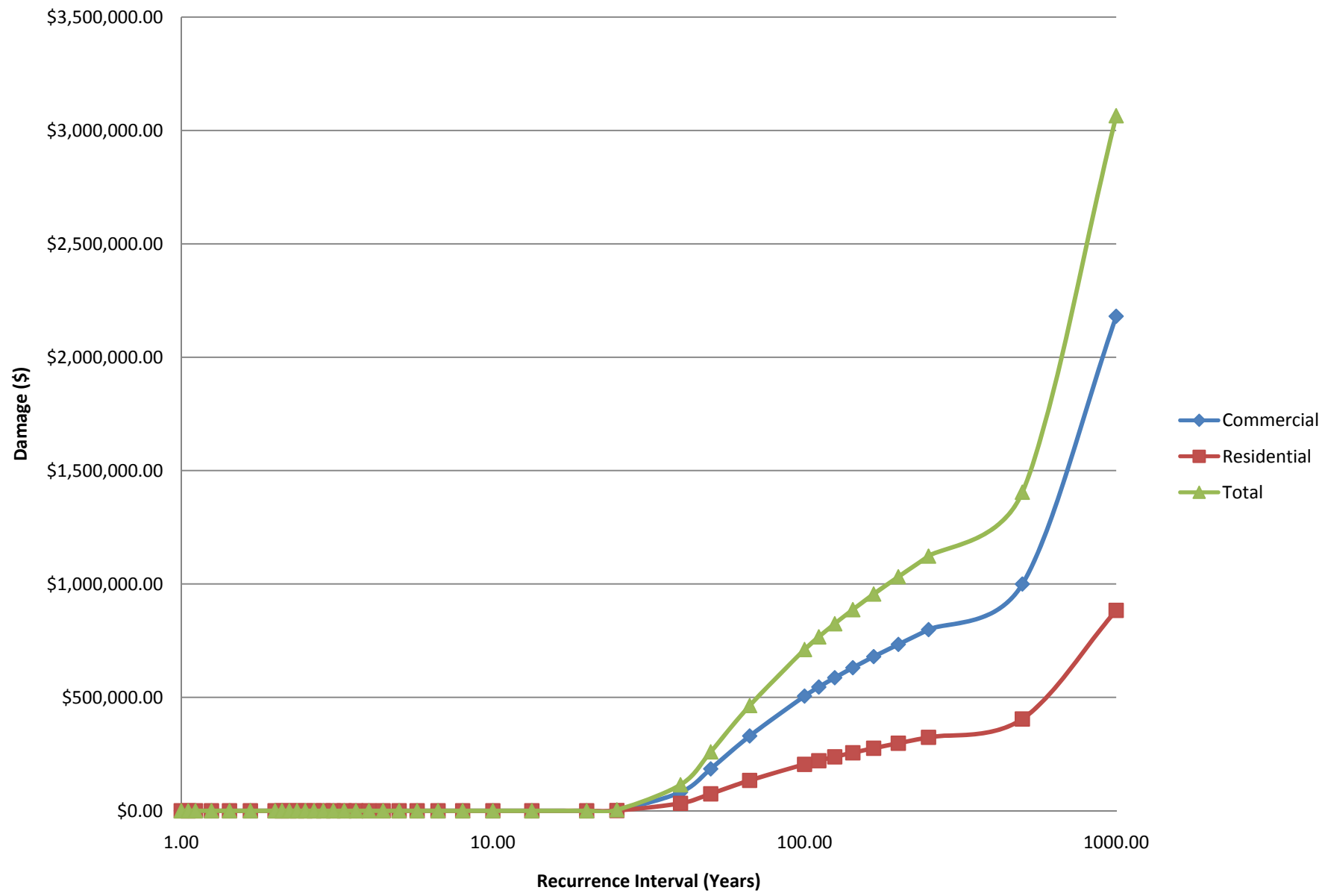




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 41  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$3,000.00	\$1,000.00	\$4,000.00
40.00	0.0250	\$82,000.00	\$33,000.00	\$115,000.00
50.00	0.0200	\$185,000.00	\$75,000.00	\$260,000.00
66.67	0.0150	\$330,000.00	\$134,000.00	\$464,000.00
100.00	0.0100	\$506,000.00	\$205,000.00	\$711,000.00
111.11	0.0090	\$546,000.00	\$221,000.00	\$767,000.00
125.00	0.0080	\$587,000.00	\$238,000.00	\$825,000.00
142.86	0.0070	\$631,000.00	\$256,000.00	\$887,000.00
166.67	0.0060	\$680,000.00	\$276,000.00	\$956,000.00
200.00	0.0050	\$734,000.00	\$298,000.00	\$1,032,000.00
250.00	0.0040	\$799,000.00	\$324,000.00	\$1,123,000.00
500.00	0.0020	\$1,000,000.00	\$405,000.00	\$1,405,000.00
1000.00	0.0010	\$2,181,000.00	\$884,000.00	\$3,065,000.00

# Exceedance Probability - Damage Function, DR-41



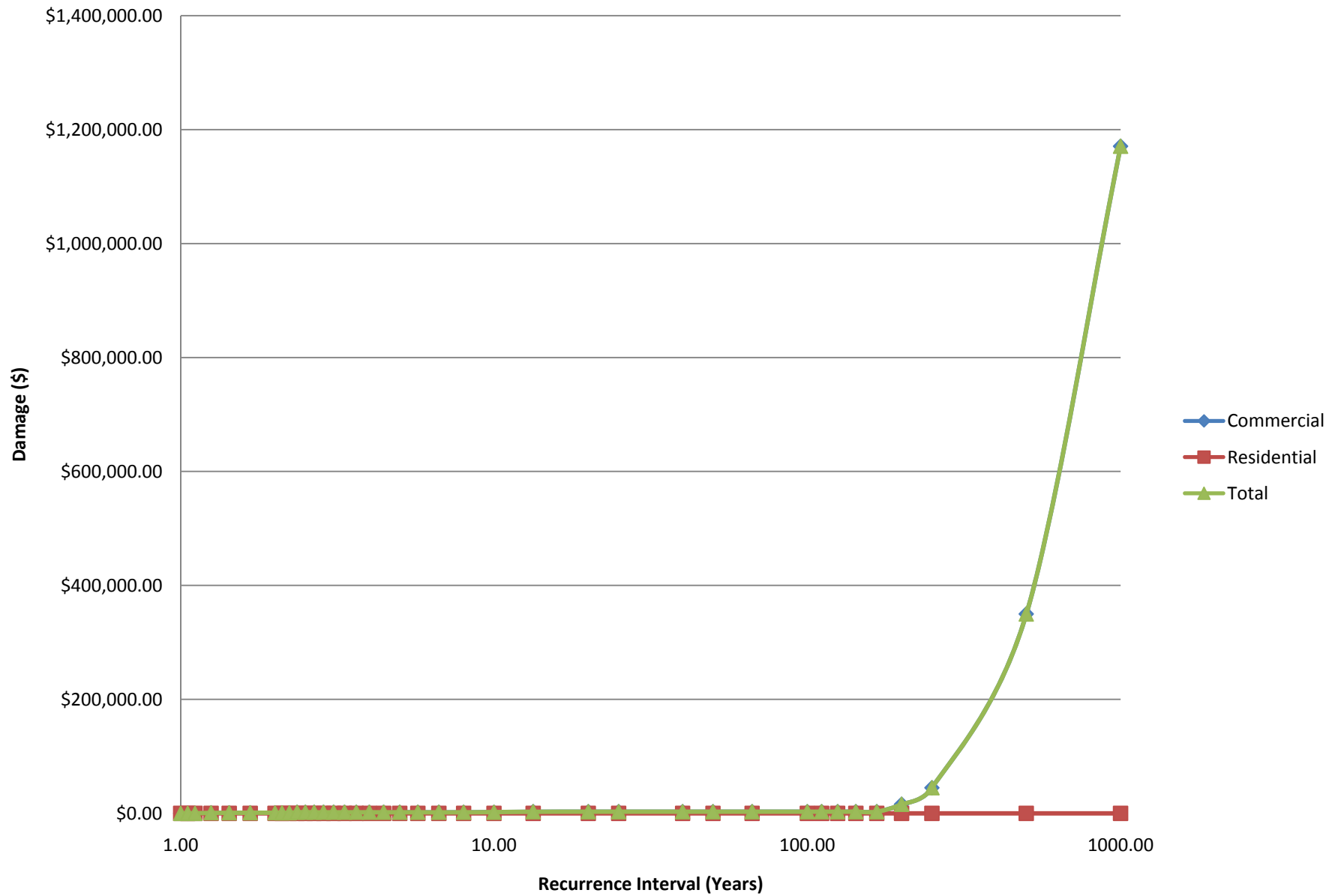


Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 43  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$1,000.00	\$0.00	\$1,000.00
1.43	0.7000	\$1,000.00	\$0.00	\$1,000.00
1.67	0.6000	\$1,000.00	\$0.00	\$1,000.00
2.00	0.5000	\$1,000.00	\$0.00	\$1,000.00
2.11	0.4750	\$1,000.00	\$0.00	\$1,000.00
2.22	0.4500	\$1,000.00	\$0.00	\$1,000.00
2.35	0.4250	\$2,000.00	\$0.00	\$2,000.00
2.50	0.4000	\$2,000.00	\$0.00	\$2,000.00
2.67	0.3750	\$2,000.00	\$0.00	\$2,000.00
2.86	0.3500	\$2,000.00	\$0.00	\$2,000.00
3.08	0.3250	\$2,000.00	\$0.00	\$2,000.00
3.33	0.3000	\$2,000.00	\$0.00	\$2,000.00
3.64	0.2750	\$2,000.00	\$0.00	\$2,000.00
4.00	0.2500	\$2,000.00	\$0.00	\$2,000.00
4.44	0.2250	\$2,000.00	\$0.00	\$2,000.00
5.00	0.2000	\$2,000.00	\$0.00	\$2,000.00
5.71	0.1750	\$2,000.00	\$0.00	\$2,000.00
6.67	0.1500	\$2,000.00	\$0.00	\$2,000.00
8.00	0.1250	\$2,000.00	\$0.00	\$2,000.00
10.00	0.1000	\$2,000.00	\$0.00	\$2,000.00
13.33	0.0750	\$3,000.00	\$0.00	\$3,000.00
20.00	0.0500	\$3,000.00	\$0.00	\$3,000.00
25.00	0.0400	\$3,000.00	\$0.00	\$3,000.00
40.00	0.0250	\$3,000.00	\$0.00	\$3,000.00
50.00	0.0200	\$3,000.00	\$0.00	\$3,000.00
66.67	0.0150	\$3,000.00	\$0.00	\$3,000.00
100.00	0.0100	\$3,000.00	\$0.00	\$3,000.00
111.11	0.0090	\$3,000.00	\$0.00	\$3,000.00
125.00	0.0080	\$3,000.00	\$0.00	\$3,000.00
142.86	0.0070	\$3,000.00	\$0.00	\$3,000.00
166.67	0.0060	\$3,000.00	\$0.00	\$3,000.00
200.00	0.0050	\$16,000.00	\$0.00	\$16,000.00
250.00	0.0040	\$45,000.00	\$0.00	\$45,000.00
500.00	0.0020	\$350,000.00	\$0.00	\$350,000.00
1000.00	0.0010	\$1,171,000.00	\$0.00	\$1,171,000.00



## Exceedance Probability - Damage Function, DR-43

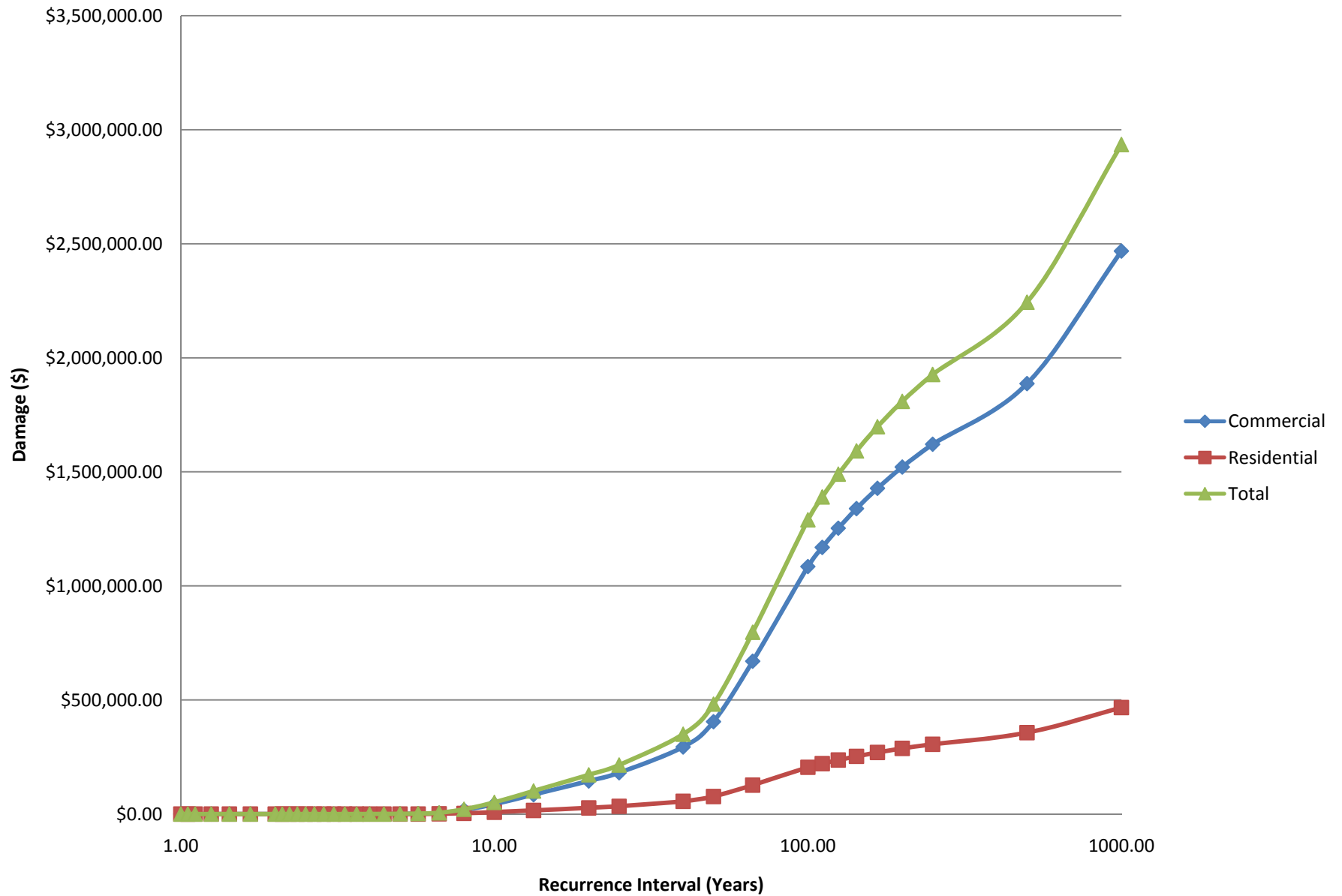




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 44  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$1,000.00	\$0.00	\$1,000.00
5.71	0.1750	\$2,000.00	\$0.00	\$2,000.00
6.67	0.1500	\$4,000.00	\$1,000.00	\$5,000.00
8.00	0.1250	\$18,000.00	\$3,000.00	\$21,000.00
10.00	0.1000	\$43,000.00	\$8,000.00	\$51,000.00
13.33	0.0750	\$85,000.00	\$16,000.00	\$101,000.00
20.00	0.0500	\$145,000.00	\$27,000.00	\$172,000.00
25.00	0.0400	\$181,000.00	\$34,000.00	\$215,000.00
40.00	0.0250	\$294,000.00	\$56,000.00	\$350,000.00
50.00	0.0200	\$405,000.00	\$77,000.00	\$482,000.00
66.67	0.0150	\$670,000.00	\$127,000.00	\$797,000.00
100.00	0.0100	\$1,085,000.00	\$205,000.00	\$1,290,000.00
111.11	0.0090	\$1,169,000.00	\$221,000.00	\$1,390,000.00
125.00	0.0080	\$1,253,000.00	\$237,000.00	\$1,490,000.00
142.86	0.0070	\$1,339,000.00	\$253,000.00	\$1,592,000.00
166.67	0.0060	\$1,428,000.00	\$270,000.00	\$1,698,000.00
200.00	0.0050	\$1,521,000.00	\$288,000.00	\$1,809,000.00
250.00	0.0040	\$1,621,000.00	\$306,000.00	\$1,927,000.00
500.00	0.0020	\$1,887,000.00	\$357,000.00	\$2,244,000.00
1000.00	0.0010	\$2,468,000.00	\$467,000.00	\$2,935,000.00

## Exceedance Probability - Damage Function, DR-44

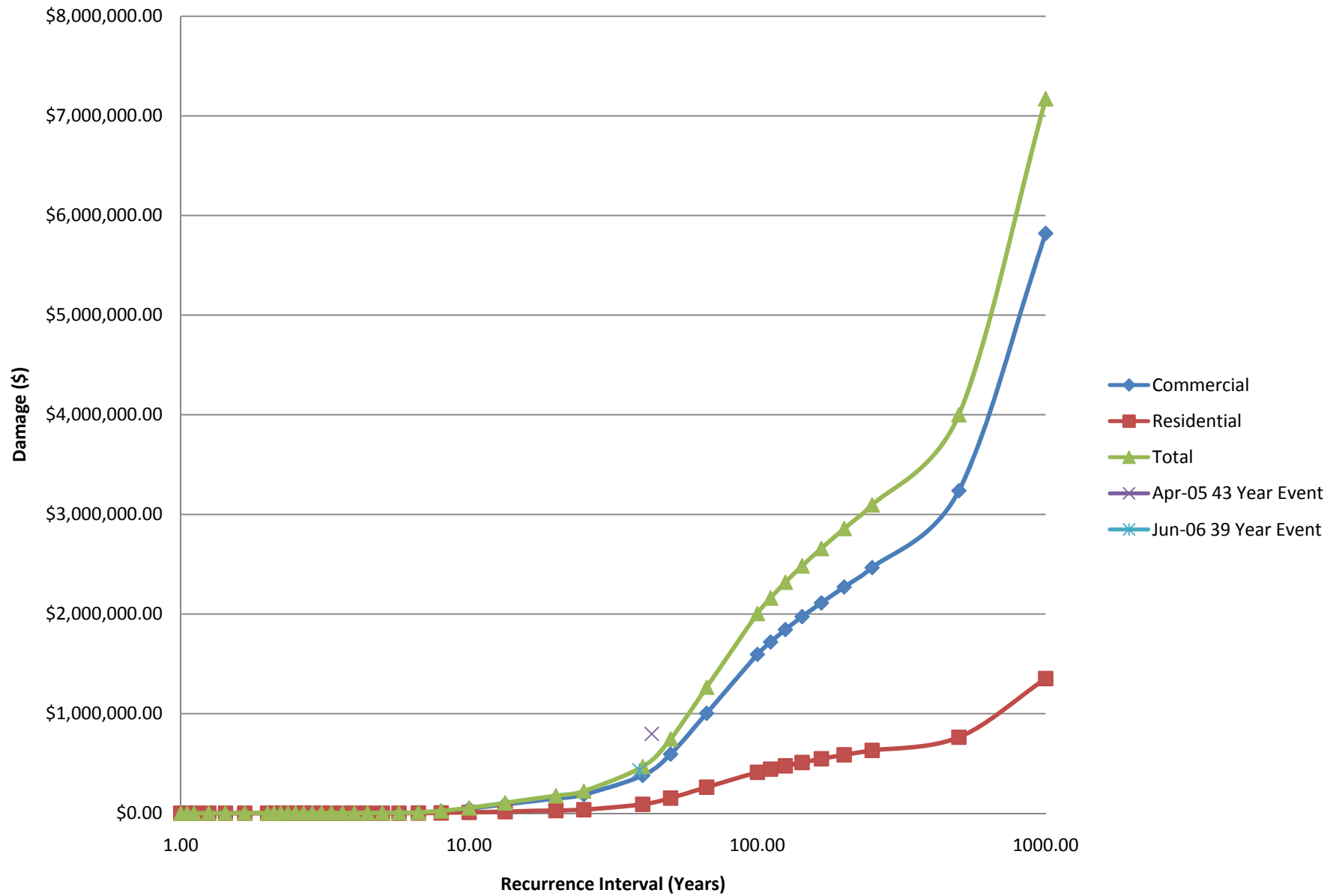


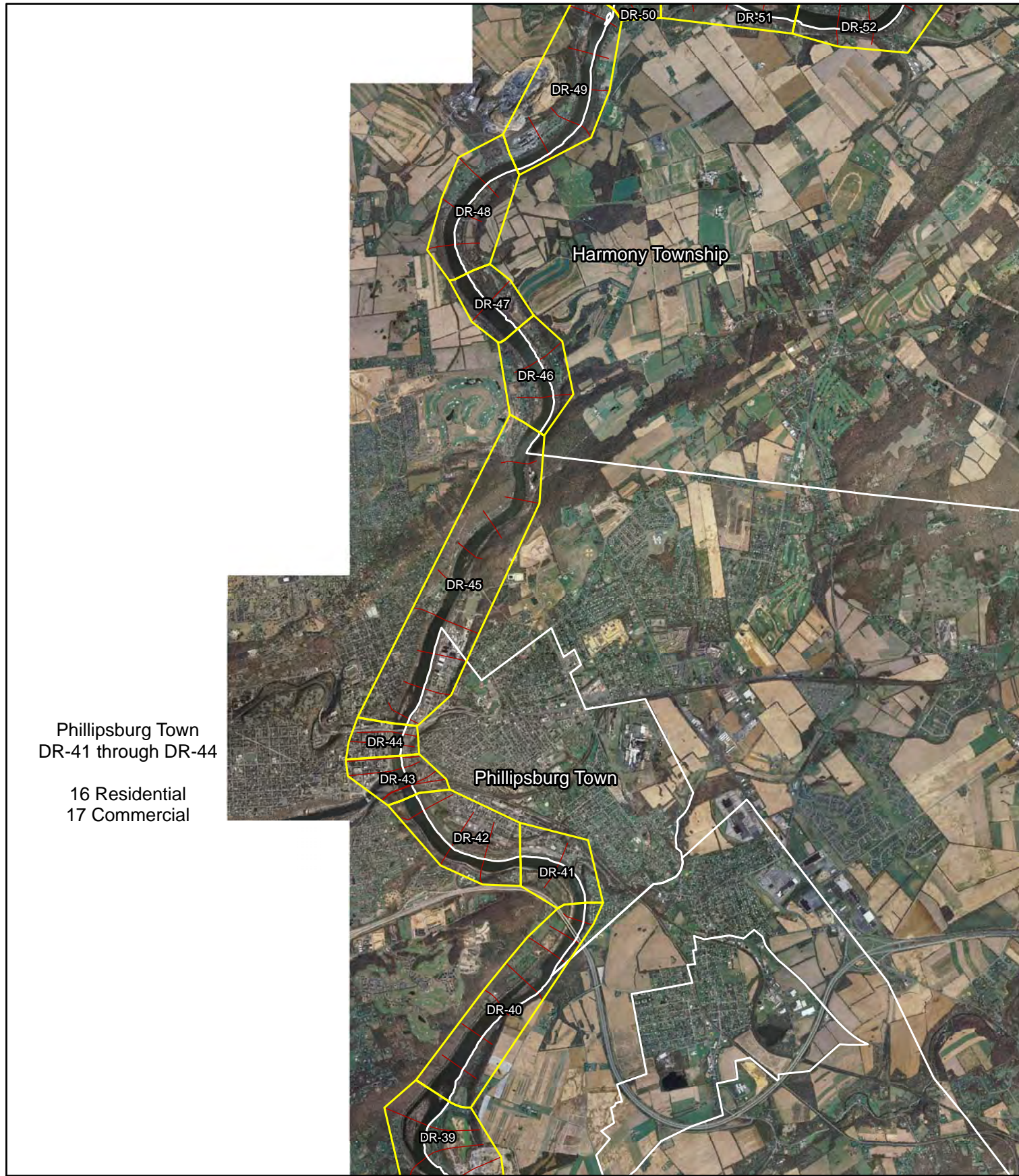


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Phillipsburg Town, Damage Reaches 41-45  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$1,000.00	\$0.00	\$1,000.00
1.43	0.7000	\$1,000.00	\$0.00	\$1,000.00
1.67	0.6000	\$1,000.00	\$0.00	\$1,000.00
2.00	0.5000	\$1,000.00	\$0.00	\$1,000.00
2.11	0.4750	\$1,000.00	\$0.00	\$1,000.00
2.22	0.4500	\$1,000.00	\$0.00	\$1,000.00
2.35	0.4250	\$2,000.00	\$0.00	\$2,000.00
2.50	0.4000	\$2,000.00	\$0.00	\$2,000.00
2.67	0.3750	\$2,000.00	\$0.00	\$2,000.00
2.86	0.3500	\$2,000.00	\$0.00	\$2,000.00
3.08	0.3250	\$2,000.00	\$0.00	\$2,000.00
3.33	0.3000	\$2,000.00	\$0.00	\$2,000.00
3.64	0.2750	\$2,000.00	\$0.00	\$2,000.00
4.00	0.2500	\$2,000.00	\$0.00	\$2,000.00
4.44	0.2250	\$2,000.00	\$0.00	\$2,000.00
5.00	0.2000	\$3,000.00	\$0.00	\$3,000.00
5.71	0.1750	\$4,000.00	\$0.00	\$4,000.00
6.67	0.1500	\$6,000.00	\$1,000.00	\$7,000.00
8.00	0.1250	\$20,000.00	\$3,000.00	\$23,000.00
10.00	0.1000	\$45,000.00	\$8,000.00	\$53,000.00
13.33	0.0750	\$88,000.00	\$16,000.00	\$104,000.00
20.00	0.0500	\$148,000.00	\$27,000.00	\$175,000.00
25.00	0.0400	\$187,000.00	\$35,000.00	\$222,000.00
40.00	0.0250	\$379,000.00	\$89,000.00	\$468,000.00
50.00	0.0200	\$593,000.00	\$152,000.00	\$745,000.00
66.67	0.0150	\$1,003,000.00	\$261,000.00	\$1,264,000.00
100.00	0.0100	\$1,594,000.00	\$410,000.00	\$2,004,000.00
111.11	0.0090	\$1,718,000.00	\$442,000.00	\$2,160,000.00
125.00	0.0080	\$1,843,000.00	\$475,000.00	\$2,318,000.00
142.86	0.0070	\$1,973,000.00	\$509,000.00	\$2,482,000.00
166.67	0.0060	\$2,111,000.00	\$546,000.00	\$2,657,000.00
200.00	0.0050	\$2,271,000.00	\$586,000.00	\$2,857,000.00
250.00	0.0040	\$2,465,000.00	\$630,000.00	\$3,095,000.00
500.00	0.0020	\$3,237,000.00	\$762,000.00	\$3,999,000.00
1000.00	0.0010	\$5,820,000.00	\$1,351,000.00	\$7,171,000.00

# Exceedance Probability - Damage Function (Summed), Phillipsburg Town






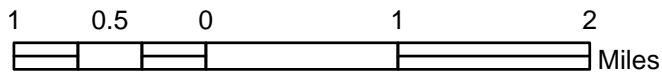


Delaware River Basin, NJ Comprehensive Study  
Phillipsburg Town



Legend

-  Damage Reaches
-  Municipalities
-  Cross Section

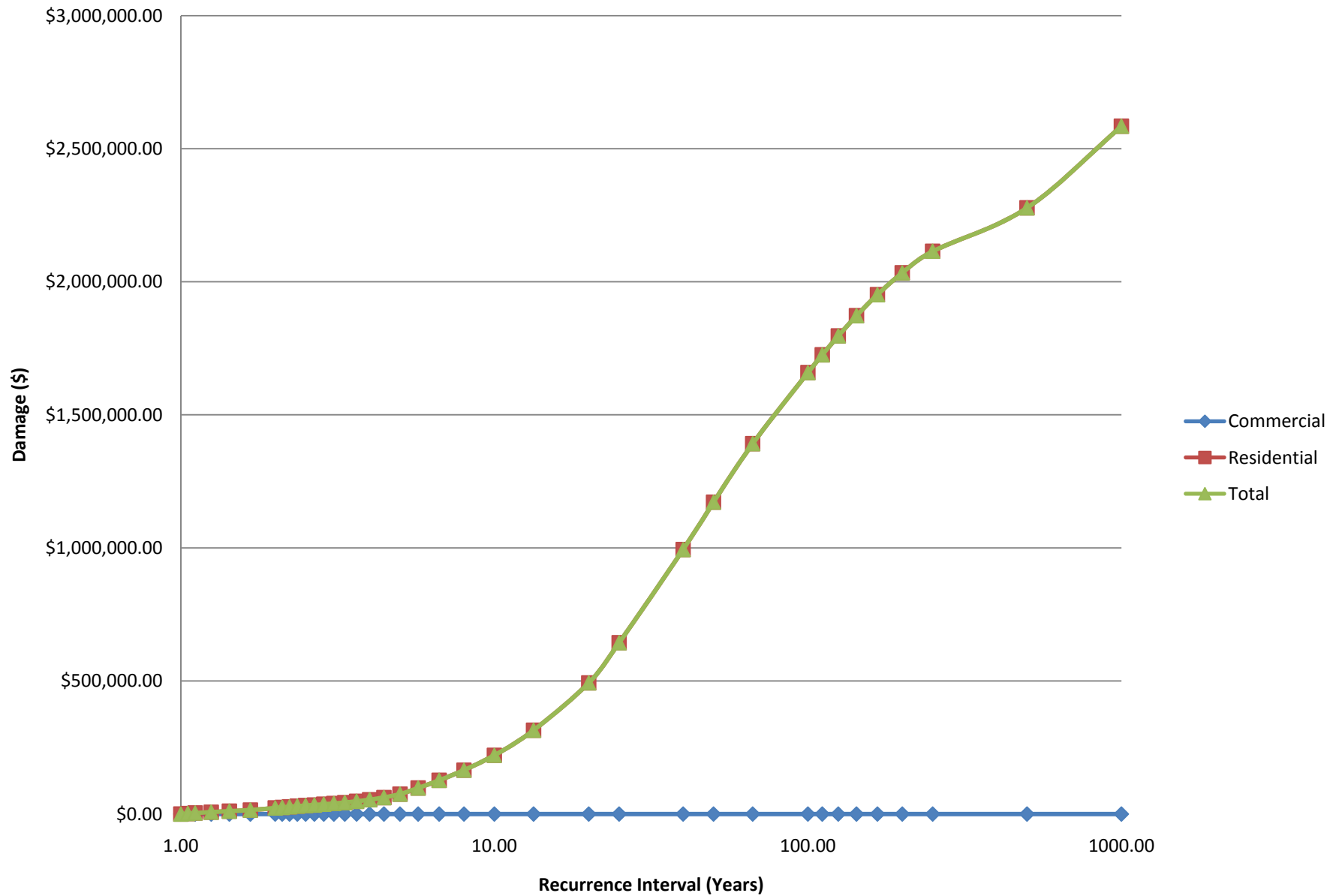




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 46  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$2,000.00	\$2,000.00
1.11	0.9000	\$0.00	\$4,000.00	\$4,000.00
1.25	0.8000	\$0.00	\$7,000.00	\$7,000.00
1.43	0.7000	\$0.00	\$11,000.00	\$11,000.00
1.67	0.6000	\$0.00	\$15,000.00	\$15,000.00
2.00	0.5000	\$0.00	\$23,000.00	\$23,000.00
2.11	0.4750	\$0.00	\$25,000.00	\$25,000.00
2.22	0.4500	\$0.00	\$27,000.00	\$27,000.00
2.35	0.4250	\$0.00	\$30,000.00	\$30,000.00
2.50	0.4000	\$0.00	\$32,000.00	\$32,000.00
2.67	0.3750	\$0.00	\$34,000.00	\$34,000.00
2.86	0.3500	\$0.00	\$37,000.00	\$37,000.00
3.08	0.3250	\$0.00	\$40,000.00	\$40,000.00
3.33	0.3000	\$0.00	\$43,000.00	\$43,000.00
3.64	0.2750	\$0.00	\$48,000.00	\$48,000.00
4.00	0.2500	\$0.00	\$54,000.00	\$54,000.00
4.44	0.2250	\$0.00	\$62,000.00	\$62,000.00
5.00	0.2000	\$0.00	\$75,000.00	\$75,000.00
5.71	0.1750	\$0.00	\$98,000.00	\$98,000.00
6.67	0.1500	\$0.00	\$127,000.00	\$127,000.00
8.00	0.1250	\$0.00	\$165,000.00	\$165,000.00
10.00	0.1000	\$0.00	\$221,000.00	\$221,000.00
13.33	0.0750	\$0.00	\$315,000.00	\$315,000.00
20.00	0.0500	\$0.00	\$493,000.00	\$493,000.00
25.00	0.0400	\$0.00	\$644,000.00	\$644,000.00
40.00	0.0250	\$0.00	\$994,000.00	\$994,000.00
50.00	0.0200	\$0.00	\$1,172,000.00	\$1,172,000.00
66.67	0.0150	\$0.00	\$1,392,000.00	\$1,392,000.00
100.00	0.0100	\$0.00	\$1,659,000.00	\$1,659,000.00
111.11	0.0090	\$0.00	\$1,726,000.00	\$1,726,000.00
125.00	0.0080	\$0.00	\$1,797,000.00	\$1,797,000.00
142.86	0.0070	\$0.00	\$1,873,000.00	\$1,873,000.00
166.67	0.0060	\$0.00	\$1,952,000.00	\$1,952,000.00
200.00	0.0050	\$0.00	\$2,034,000.00	\$2,034,000.00
250.00	0.0040	\$0.00	\$2,115,000.00	\$2,115,000.00
500.00	0.0020	\$0.00	\$2,278,000.00	\$2,278,000.00
1000.00	0.0010	\$0.00	\$2,585,000.00	\$2,585,000.00

## Exceedance Probability - Damage Function, DR-46



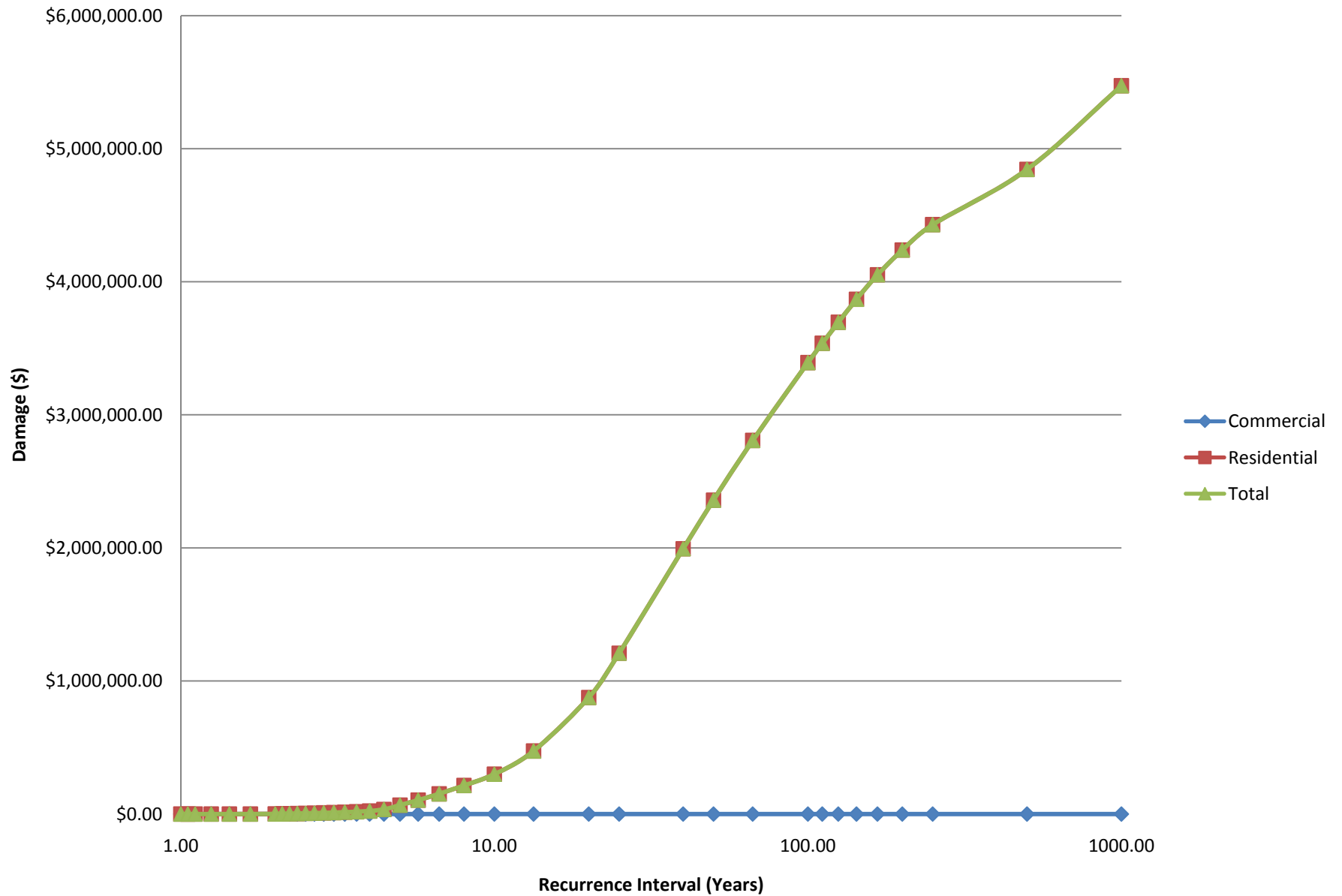




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 48  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$1,000.00	\$1,000.00
2.11	0.4750	\$0.00	\$2,000.00	\$2,000.00
2.22	0.4500	\$0.00	\$3,000.00	\$3,000.00
2.35	0.4250	\$0.00	\$4,000.00	\$4,000.00
2.50	0.4000	\$0.00	\$5,000.00	\$5,000.00
2.67	0.3750	\$0.00	\$7,000.00	\$7,000.00
2.86	0.3500	\$0.00	\$9,000.00	\$9,000.00
3.08	0.3250	\$0.00	\$11,000.00	\$11,000.00
3.33	0.3000	\$0.00	\$14,000.00	\$14,000.00
3.64	0.2750	\$0.00	\$17,000.00	\$17,000.00
4.00	0.2500	\$0.00	\$23,000.00	\$23,000.00
4.44	0.2250	\$0.00	\$35,000.00	\$35,000.00
5.00	0.2000	\$0.00	\$67,000.00	\$67,000.00
5.71	0.1750	\$0.00	\$105,000.00	\$105,000.00
6.67	0.1500	\$0.00	\$152,000.00	\$152,000.00
8.00	0.1250	\$0.00	\$215,000.00	\$215,000.00
10.00	0.1000	\$0.00	\$300,000.00	\$300,000.00
13.33	0.0750	\$0.00	\$474,000.00	\$474,000.00
20.00	0.0500	\$0.00	\$876,000.00	\$876,000.00
25.00	0.0400	\$0.00	\$1,209,000.00	\$1,209,000.00
40.00	0.0250	\$0.00	\$1,994,000.00	\$1,994,000.00
50.00	0.0200	\$0.00	\$2,359,000.00	\$2,359,000.00
66.67	0.0150	\$0.00	\$2,808,000.00	\$2,808,000.00
100.00	0.0100	\$0.00	\$3,393,000.00	\$3,393,000.00
111.11	0.0090	\$0.00	\$3,538,000.00	\$3,538,000.00
125.00	0.0080	\$0.00	\$3,696,000.00	\$3,696,000.00
142.86	0.0070	\$0.00	\$3,869,000.00	\$3,869,000.00
166.67	0.0060	\$0.00	\$4,053,000.00	\$4,053,000.00
200.00	0.0050	\$0.00	\$4,239,000.00	\$4,239,000.00
250.00	0.0040	\$0.00	\$4,430,000.00	\$4,430,000.00
500.00	0.0020	\$0.00	\$4,845,000.00	\$4,845,000.00
1000.00	0.0010	\$0.00	\$5,474,000.00	\$5,474,000.00

## Exceedance Probability - Damage Function, DR-48

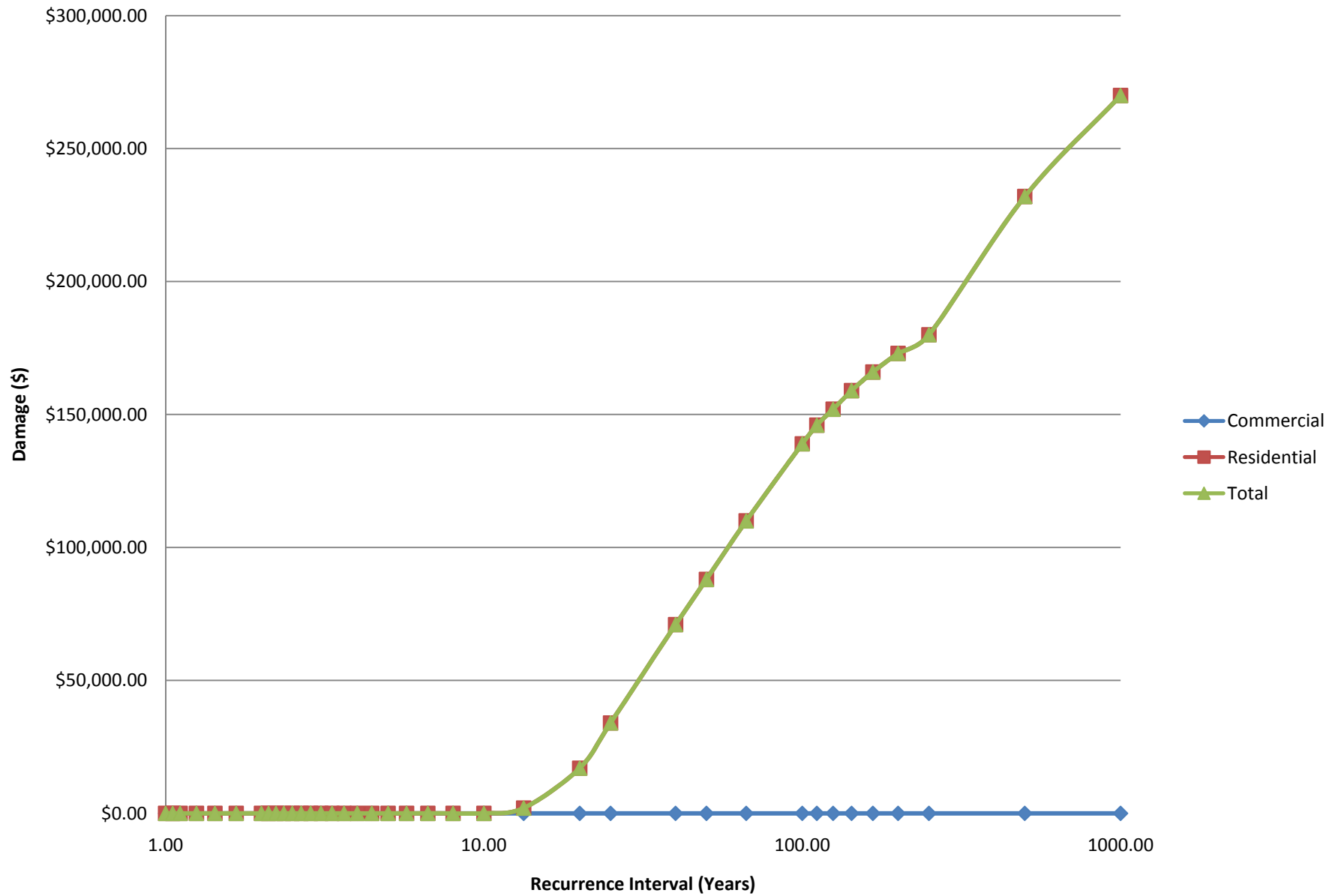




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 50  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$2,000.00	\$2,000.00
20.00	0.0500	\$0.00	\$17,000.00	\$17,000.00
25.00	0.0400	\$0.00	\$34,000.00	\$34,000.00
40.00	0.0250	\$0.00	\$71,000.00	\$71,000.00
50.00	0.0200	\$0.00	\$88,000.00	\$88,000.00
66.67	0.0150	\$0.00	\$110,000.00	\$110,000.00
100.00	0.0100	\$0.00	\$139,000.00	\$139,000.00
111.11	0.0090	\$0.00	\$146,000.00	\$146,000.00
125.00	0.0080	\$0.00	\$152,000.00	\$152,000.00
142.86	0.0070	\$0.00	\$159,000.00	\$159,000.00
166.67	0.0060	\$0.00	\$166,000.00	\$166,000.00
200.00	0.0050	\$0.00	\$173,000.00	\$173,000.00
250.00	0.0040	\$0.00	\$180,000.00	\$180,000.00
500.00	0.0020	\$0.00	\$232,000.00	\$232,000.00
1000.00	0.0010	\$0.00	\$270,000.00	\$270,000.00

## Exceedance Probability - Damage Function, DR-50

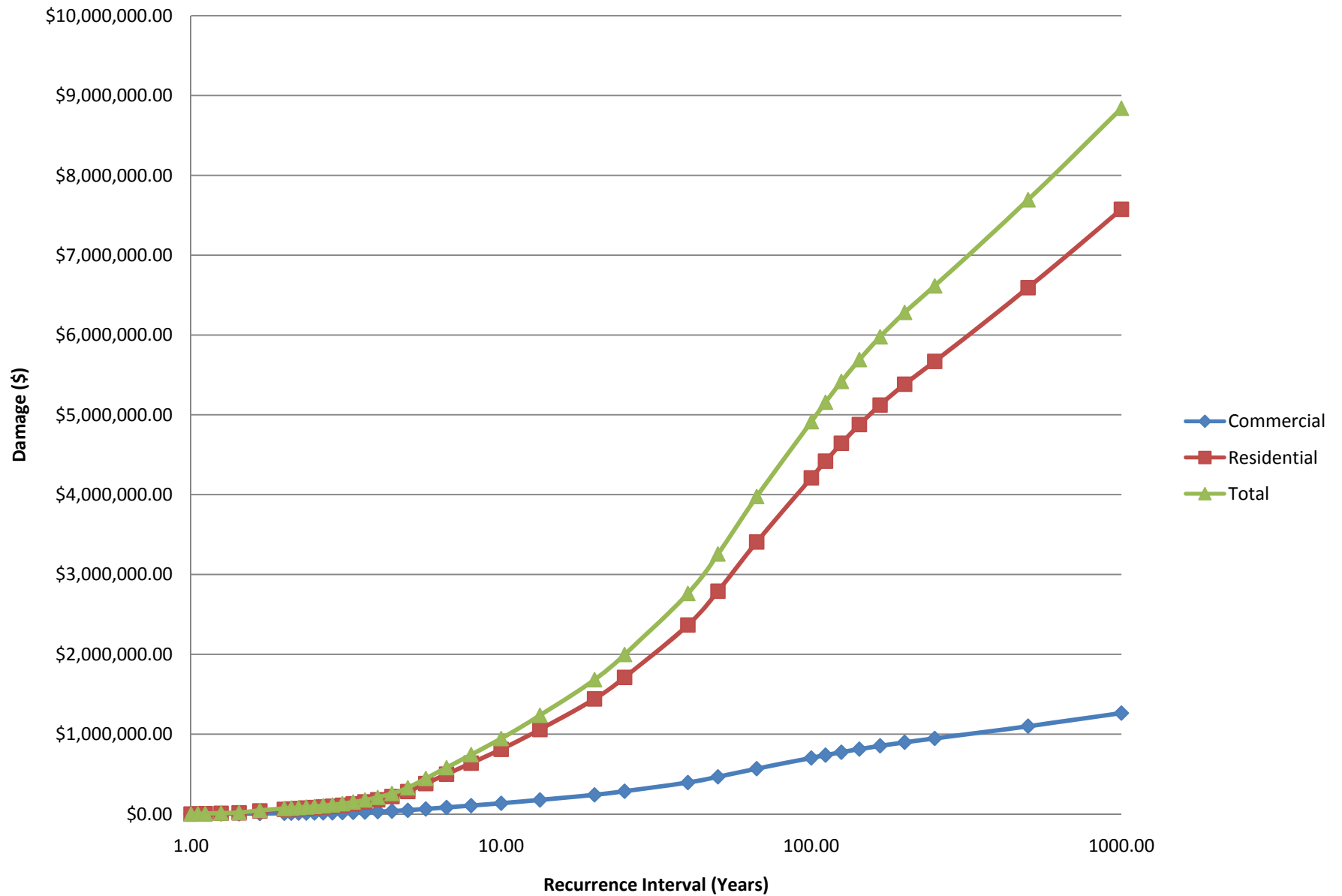




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 52  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$2,000.00	\$2,000.00
1.11	0.9000	\$1,000.00	\$5,000.00	\$6,000.00
1.25	0.8000	\$2,000.00	\$10,000.00	\$12,000.00
1.43	0.7000	\$3,000.00	\$15,000.00	\$18,000.00
1.67	0.6000	\$7,000.00	\$39,000.00	\$46,000.00
2.00	0.5000	\$10,000.00	\$59,000.00	\$69,000.00
2.11	0.4750	\$11,000.00	\$64,000.00	\$75,000.00
2.22	0.4500	\$12,000.00	\$69,000.00	\$81,000.00
2.35	0.4250	\$12,000.00	\$75,000.00	\$87,000.00
2.50	0.4000	\$14,000.00	\$81,000.00	\$95,000.00
2.67	0.3750	\$15,000.00	\$89,000.00	\$104,000.00
2.86	0.3500	\$16,000.00	\$98,000.00	\$114,000.00
3.08	0.3250	\$19,000.00	\$111,000.00	\$130,000.00
3.33	0.3000	\$22,000.00	\$129,000.00	\$151,000.00
3.64	0.2750	\$25,000.00	\$152,000.00	\$177,000.00
4.00	0.2500	\$30,000.00	\$179,000.00	\$209,000.00
4.44	0.2250	\$37,000.00	\$220,000.00	\$257,000.00
5.00	0.2000	\$47,000.00	\$282,000.00	\$329,000.00
5.71	0.1750	\$64,000.00	\$382,000.00	\$446,000.00
6.67	0.1500	\$83,000.00	\$499,000.00	\$582,000.00
8.00	0.1250	\$106,000.00	\$638,000.00	\$744,000.00
10.00	0.1000	\$135,000.00	\$811,000.00	\$946,000.00
13.33	0.0750	\$177,000.00	\$1,059,000.00	\$1,236,000.00
20.00	0.0500	\$241,000.00	\$1,442,000.00	\$1,683,000.00
25.00	0.0400	\$286,000.00	\$1,712,000.00	\$1,998,000.00
40.00	0.0250	\$395,000.00	\$2,368,000.00	\$2,763,000.00
50.00	0.0200	\$466,000.00	\$2,791,000.00	\$3,257,000.00
66.67	0.0150	\$569,000.00	\$3,408,000.00	\$3,977,000.00
100.00	0.0100	\$703,000.00	\$4,211,000.00	\$4,914,000.00
111.11	0.0090	\$738,000.00	\$4,420,000.00	\$5,158,000.00
125.00	0.0080	\$775,000.00	\$4,644,000.00	\$5,419,000.00
142.86	0.0070	\$814,000.00	\$4,878,000.00	\$5,692,000.00
166.67	0.0060	\$855,000.00	\$5,123,000.00	\$5,978,000.00
200.00	0.0050	\$899,000.00	\$5,384,000.00	\$6,283,000.00
250.00	0.0040	\$947,000.00	\$5,669,000.00	\$6,616,000.00
500.00	0.0020	\$1,101,000.00	\$6,593,000.00	\$7,694,000.00
1000.00	0.0010	\$1,265,000.00	\$7,575,000.00	\$8,840,000.00

## Exceedance Probability - Damage Function, DR-52

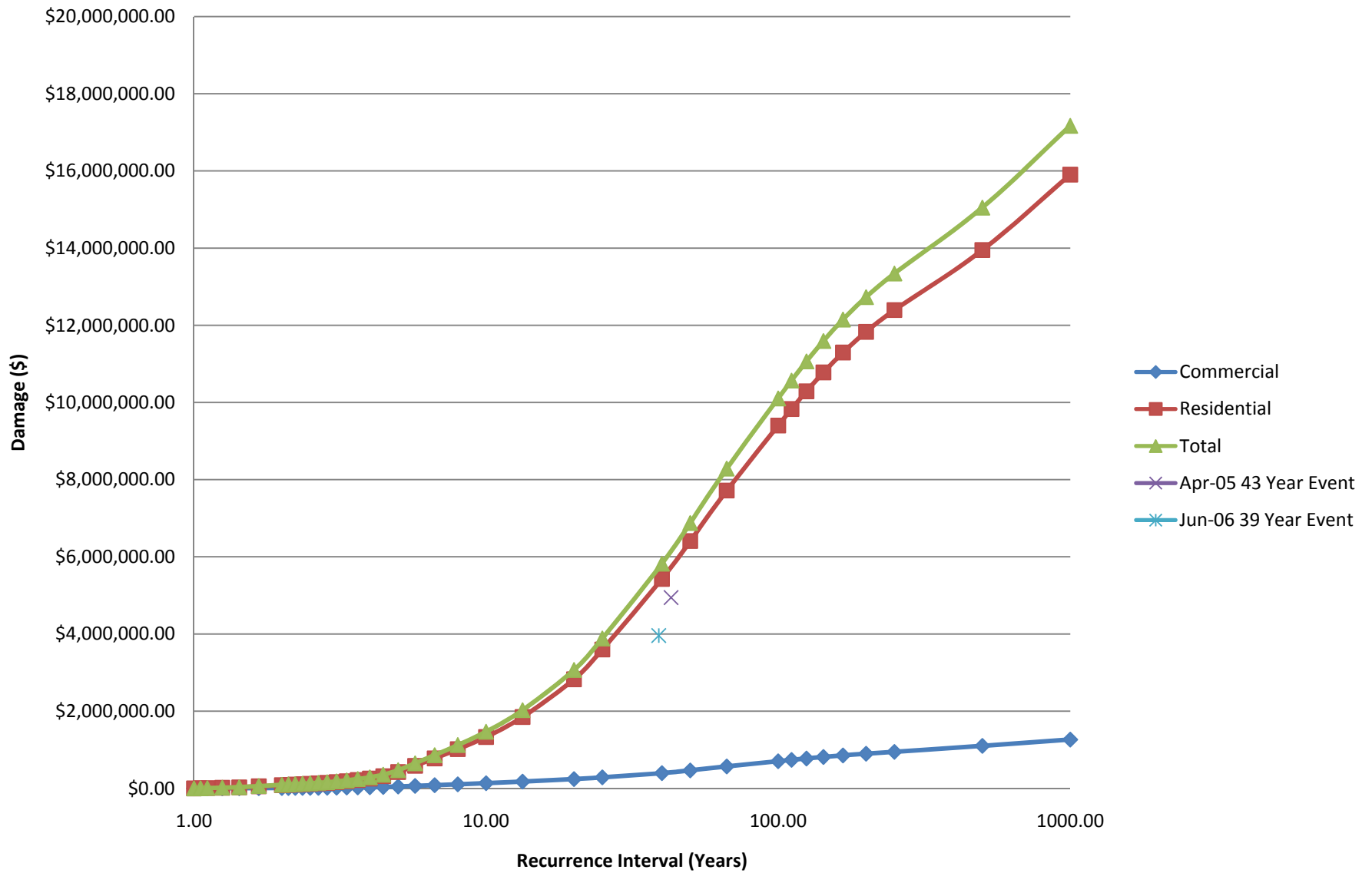




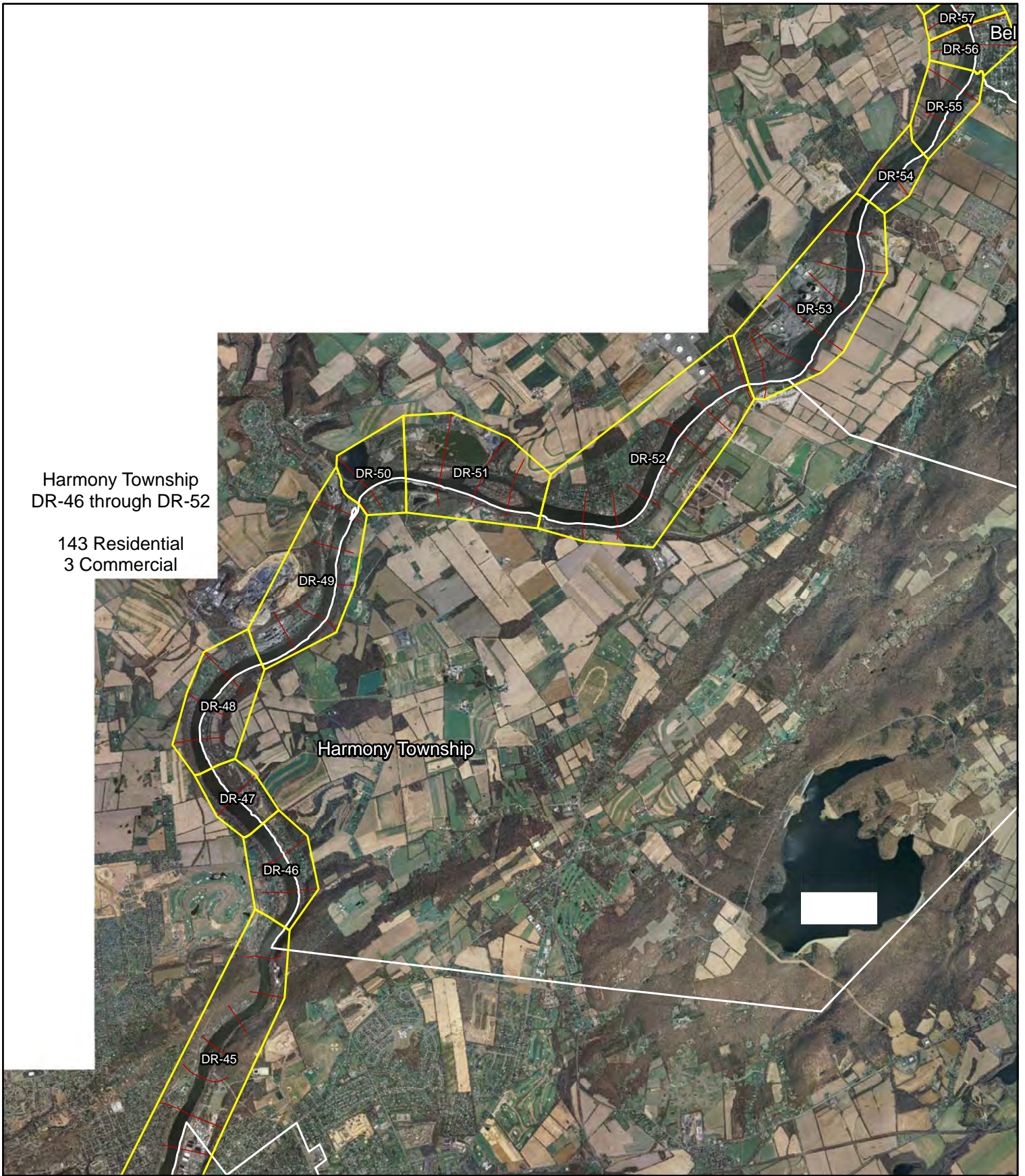
Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Harmony Township, Damage Reaches 46-53  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$4,000.00	\$4,000.00
1.11	0.9000	\$1,000.00	\$9,000.00	\$10,000.00
1.25	0.8000	\$2,000.00	\$17,000.00	\$19,000.00
1.43	0.7000	\$3,000.00	\$26,000.00	\$29,000.00
1.67	0.6000	\$7,000.00	\$54,000.00	\$61,000.00
2.00	0.5000	\$10,000.00	\$83,000.00	\$93,000.00
2.11	0.4750	\$11,000.00	\$91,000.00	\$102,000.00
2.22	0.4500	\$12,000.00	\$99,000.00	\$111,000.00
2.35	0.4250	\$12,000.00	\$109,000.00	\$121,000.00
2.50	0.4000	\$14,000.00	\$118,000.00	\$132,000.00
2.67	0.3750	\$15,000.00	\$130,000.00	\$145,000.00
2.86	0.3500	\$16,000.00	\$144,000.00	\$160,000.00
3.08	0.3250	\$19,000.00	\$162,000.00	\$181,000.00
3.33	0.3000	\$22,000.00	\$186,000.00	\$208,000.00
3.64	0.2750	\$25,000.00	\$217,000.00	\$242,000.00
4.00	0.2500	\$30,000.00	\$256,000.00	\$286,000.00
4.44	0.2250	\$37,000.00	\$317,000.00	\$354,000.00
5.00	0.2000	\$47,000.00	\$424,000.00	\$471,000.00
5.71	0.1750	\$64,000.00	\$585,000.00	\$649,000.00
6.67	0.1500	\$83,000.00	\$778,000.00	\$861,000.00
8.00	0.1250	\$106,000.00	\$1,018,000.00	\$1,124,000.00
10.00	0.1000	\$135,000.00	\$1,332,000.00	\$1,467,000.00
13.33	0.0750	\$177,000.00	\$1,850,000.00	\$2,027,000.00
20.00	0.0500	\$241,000.00	\$2,828,000.00	\$3,069,000.00
25.00	0.0400	\$286,000.00	\$3,599,000.00	\$3,885,000.00
40.00	0.0250	\$395,000.00	\$5,427,000.00	\$5,822,000.00
50.00	0.0200	\$466,000.00	\$6,410,000.00	\$6,876,000.00
66.67	0.0150	\$569,000.00	\$7,718,000.00	\$8,287,000.00
100.00	0.0100	\$703,000.00	\$9,402,000.00	\$10,105,000.00
111.11	0.0090	\$738,000.00	\$9,830,000.00	\$10,568,000.00
125.00	0.0080	\$775,000.00	\$10,289,000.00	\$11,064,000.00
142.86	0.0070	\$814,000.00	\$10,779,000.00	\$11,593,000.00
166.67	0.0060	\$855,000.00	\$11,294,000.00	\$12,149,000.00
200.00	0.0050	\$899,000.00	\$11,830,000.00	\$12,729,000.00
250.00	0.0040	\$947,000.00	\$12,394,000.00	\$13,341,000.00
500.00	0.0020	\$1,101,000.00	\$13,948,000.00	\$15,049,000.00
1000.00	0.0010	\$1,265,000.00	\$15,904,000.00	\$17,169,000.00

## Exceedance Probability - Damage Function (Summed), Harmony Township







Harmony Township  
DR-46 through DR-52

143 Residential  
3 Commercial




Harmony Township

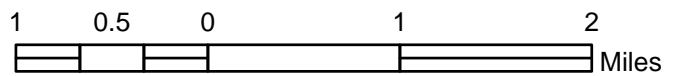
**Baker**

Delaware River Basin, NJ Comprehensive Study  
Harmony Township



Legend

-  Damage Reaches
-  Municipalities
-  Cross Section

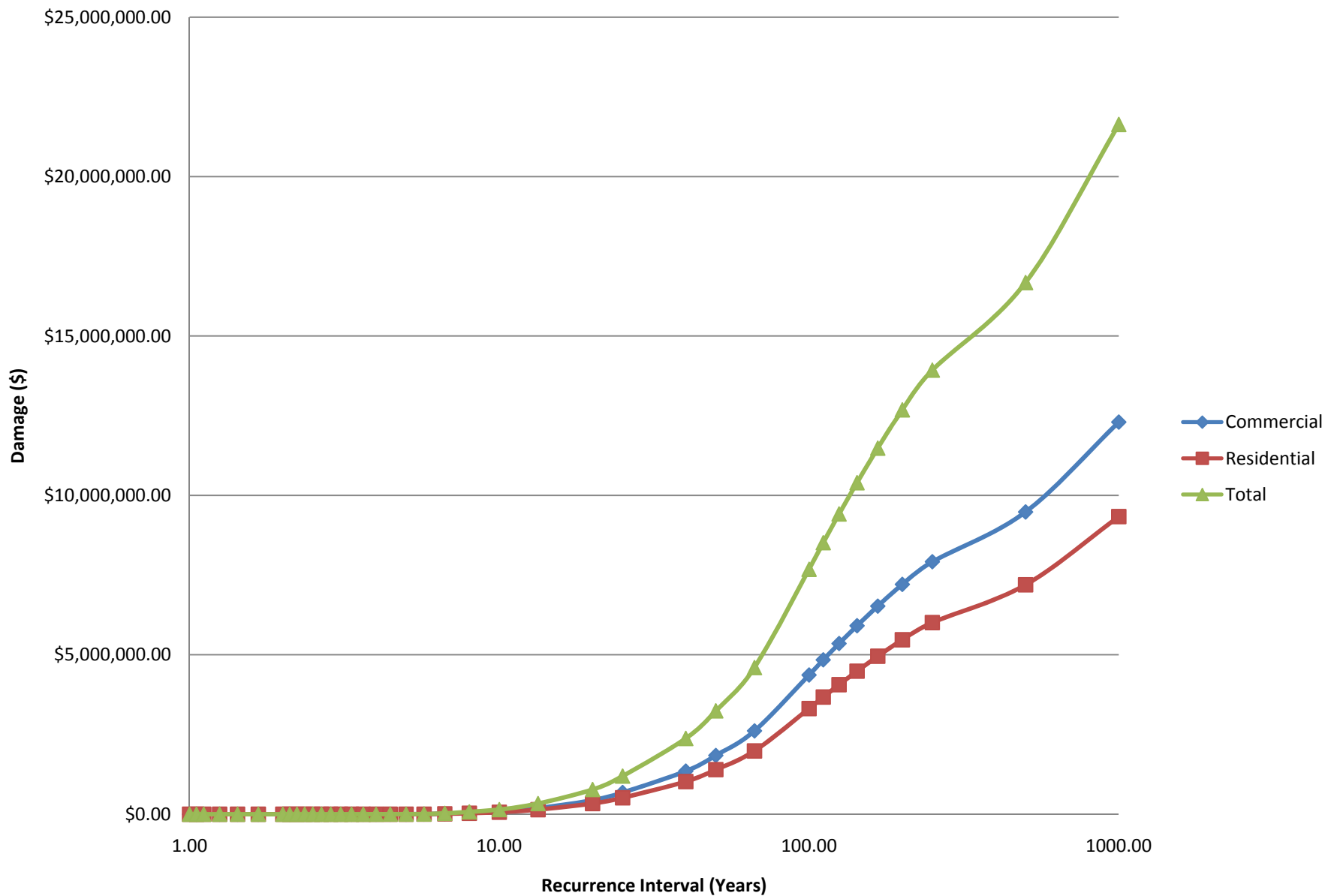




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 56  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$1,000.00	\$1,000.00	\$2,000.00
5.00	0.2000	\$2,000.00	\$1,000.00	\$3,000.00
5.71	0.1750	\$3,000.00	\$3,000.00	\$6,000.00
6.67	0.1500	\$15,000.00	\$12,000.00	\$27,000.00
8.00	0.1250	\$42,000.00	\$32,000.00	\$74,000.00
10.00	0.1000	\$83,000.00	\$63,000.00	\$146,000.00
13.33	0.0750	\$190,000.00	\$144,000.00	\$334,000.00
20.00	0.0500	\$440,000.00	\$334,000.00	\$774,000.00
25.00	0.0400	\$680,000.00	\$516,000.00	\$1,196,000.00
40.00	0.0250	\$1,352,000.00	\$1,026,000.00	\$2,378,000.00
50.00	0.0200	\$1,843,000.00	\$1,399,000.00	\$3,242,000.00
66.67	0.0150	\$2,615,000.00	\$1,985,000.00	\$4,600,000.00
100.00	0.0100	\$4,367,000.00	\$3,315,000.00	\$7,682,000.00
111.11	0.0090	\$4,842,000.00	\$3,675,000.00	\$8,517,000.00
125.00	0.0080	\$5,354,000.00	\$4,064,000.00	\$9,418,000.00
142.86	0.0070	\$5,912,000.00	\$4,487,000.00	\$10,399,000.00
166.67	0.0060	\$6,528,000.00	\$4,955,000.00	\$11,483,000.00
200.00	0.0050	\$7,210,000.00	\$5,473,000.00	\$12,683,000.00
250.00	0.0040	\$7,919,000.00	\$6,011,000.00	\$13,930,000.00
500.00	0.0020	\$9,481,000.00	\$7,196,000.00	\$16,677,000.00
1000.00	0.0010	\$12,300,000.00	\$9,336,000.00	\$21,636,000.00

### Exceedance Probability - Damage Function, DR-56

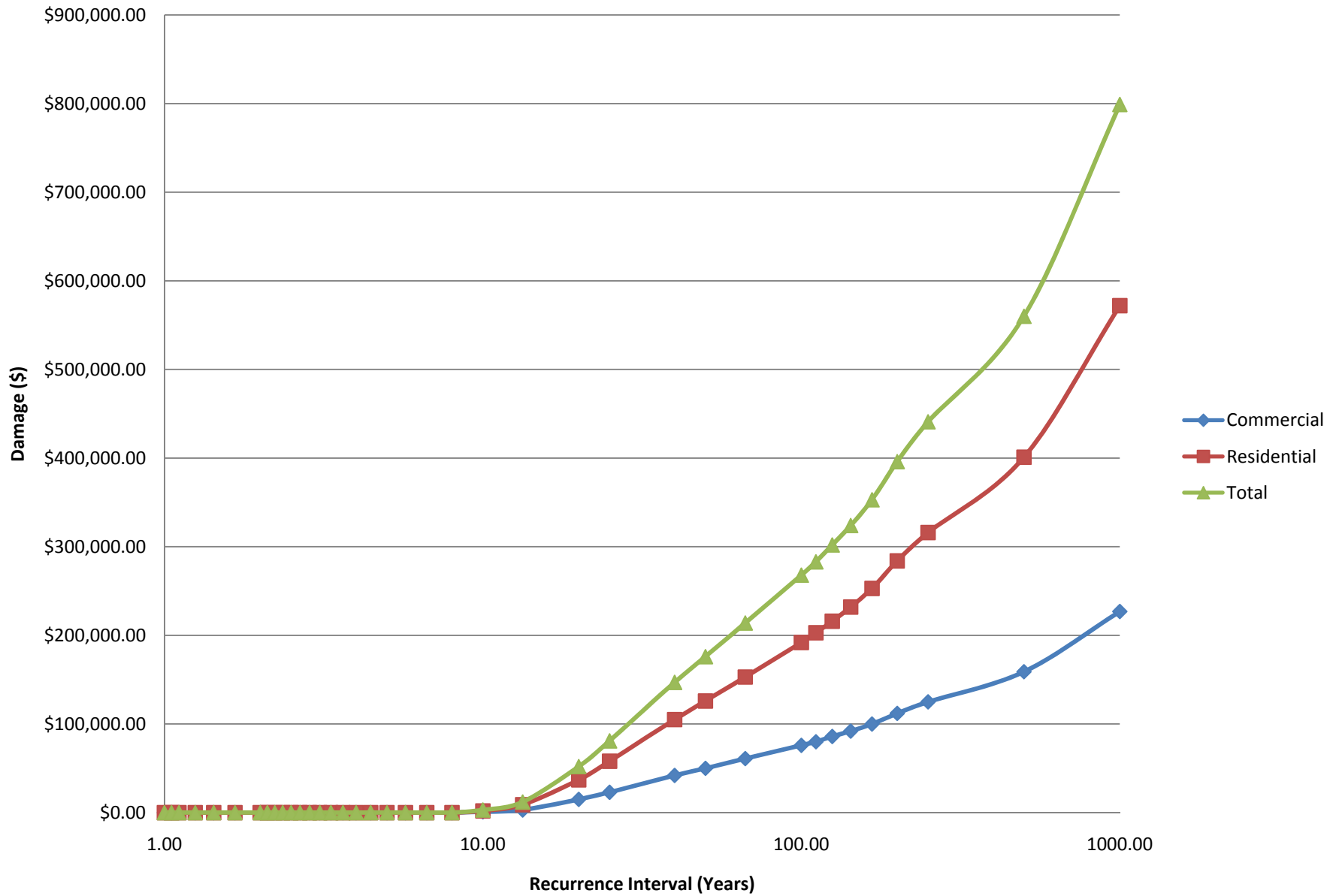




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 57  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$1,000.00	\$2,000.00	\$3,000.00
13.33	0.0750	\$3,000.00	\$9,000.00	\$12,000.00
20.00	0.0500	\$15,000.00	\$37,000.00	\$52,000.00
25.00	0.0400	\$23,000.00	\$58,000.00	\$81,000.00
40.00	0.0250	\$42,000.00	\$105,000.00	\$147,000.00
50.00	0.0200	\$50,000.00	\$126,000.00	\$176,000.00
66.67	0.0150	\$61,000.00	\$153,000.00	\$214,000.00
100.00	0.0100	\$76,000.00	\$192,000.00	\$268,000.00
111.11	0.0090	\$80,000.00	\$203,000.00	\$283,000.00
125.00	0.0080	\$86,000.00	\$216,000.00	\$302,000.00
142.86	0.0070	\$92,000.00	\$232,000.00	\$324,000.00
166.67	0.0060	\$100,000.00	\$253,000.00	\$353,000.00
200.00	0.0050	\$112,000.00	\$284,000.00	\$396,000.00
250.00	0.0040	\$125,000.00	\$316,000.00	\$441,000.00
500.00	0.0020	\$159,000.00	\$401,000.00	\$560,000.00
1000.00	0.0010	\$227,000.00	\$572,000.00	\$799,000.00

# Exceedance Probability - Damage Function, DR-57

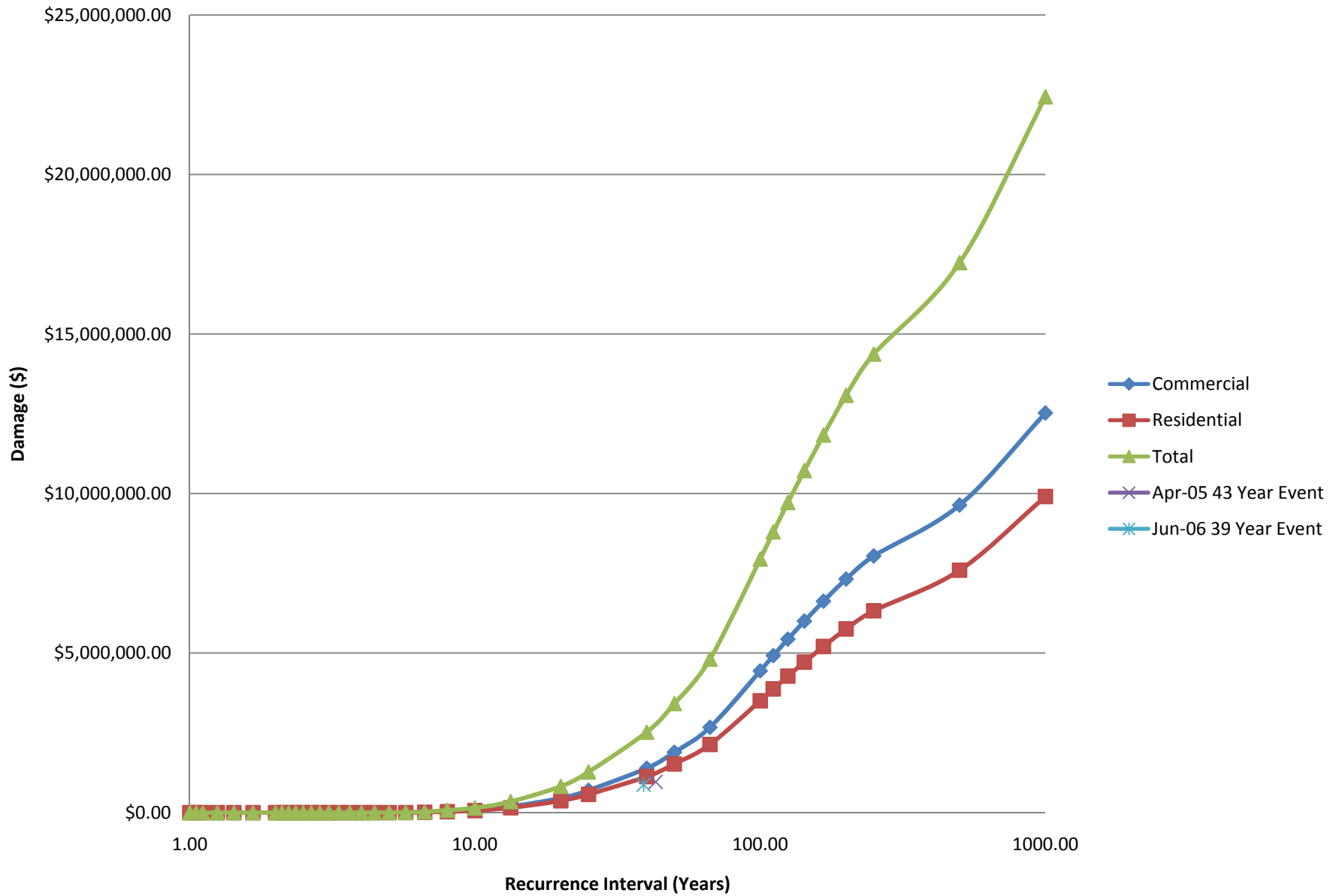


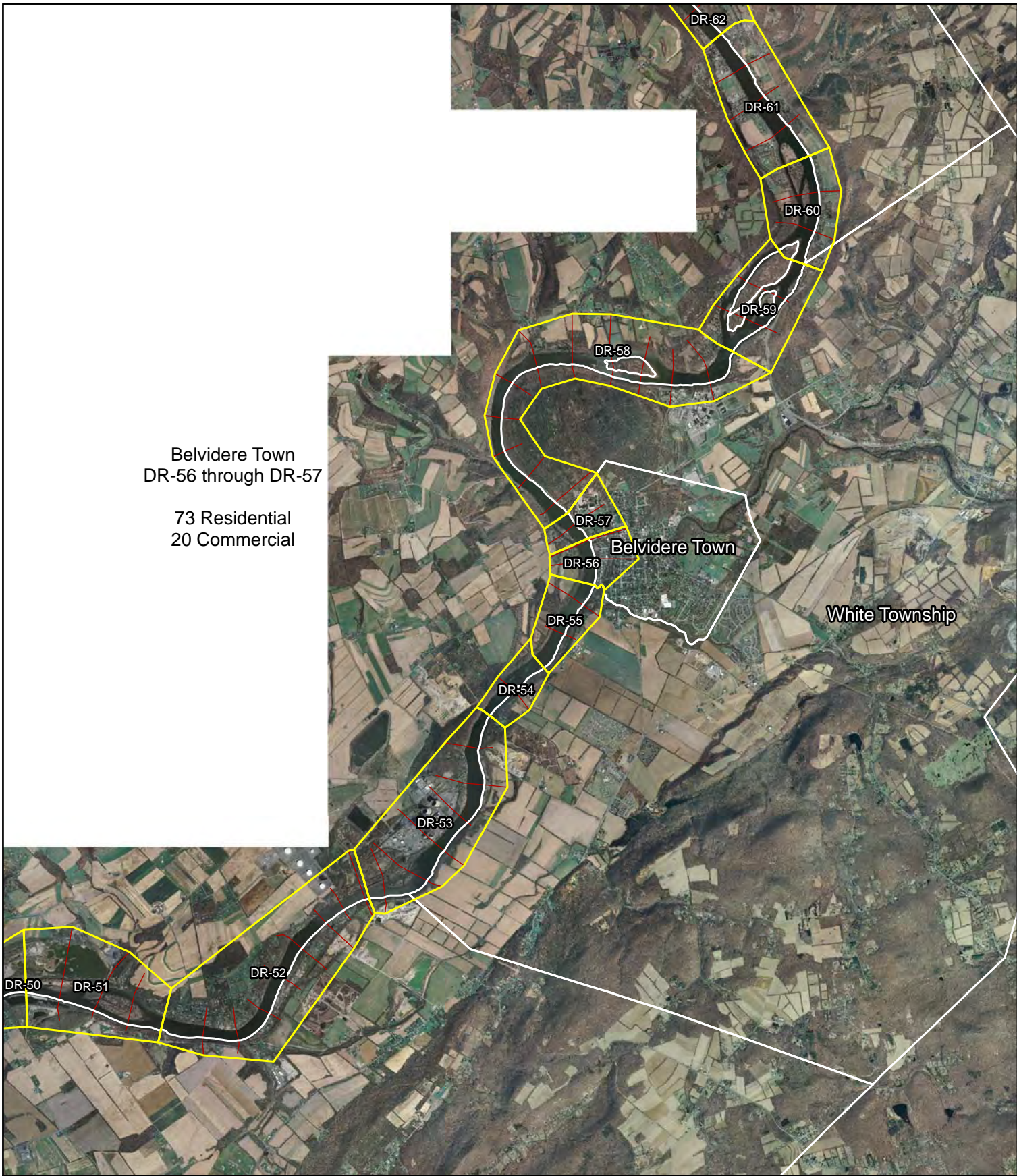


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Belvidere Town, Damage Reaches 56-57  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$1,000.00	\$1,000.00	\$2,000.00
5.00	0.2000	\$2,000.00	\$1,000.00	\$3,000.00
5.71	0.1750	\$3,000.00	\$3,000.00	\$6,000.00
6.67	0.1500	\$15,000.00	\$12,000.00	\$27,000.00
8.00	0.1250	\$42,000.00	\$32,000.00	\$74,000.00
10.00	0.1000	\$84,000.00	\$65,000.00	\$149,000.00
13.33	0.0750	\$193,000.00	\$153,000.00	\$346,000.00
20.00	0.0500	\$455,000.00	\$371,000.00	\$826,000.00
25.00	0.0400	\$703,000.00	\$574,000.00	\$1,277,000.00
40.00	0.0250	\$1,394,000.00	\$1,131,000.00	\$2,525,000.00
50.00	0.0200	\$1,893,000.00	\$1,525,000.00	\$3,418,000.00
66.67	0.0150	\$2,676,000.00	\$2,138,000.00	\$4,814,000.00
100.00	0.0100	\$4,443,000.00	\$3,507,000.00	\$7,950,000.00
111.11	0.0090	\$4,922,000.00	\$3,878,000.00	\$8,800,000.00
125.00	0.0080	\$5,440,000.00	\$4,280,000.00	\$9,720,000.00
142.86	0.0070	\$6,004,000.00	\$4,719,000.00	\$10,723,000.00
166.67	0.0060	\$6,628,000.00	\$5,208,000.00	\$11,836,000.00
200.00	0.0050	\$7,322,000.00	\$5,757,000.00	\$13,079,000.00
250.00	0.0040	\$8,044,000.00	\$6,327,000.00	\$14,371,000.00
500.00	0.0020	\$9,640,000.00	\$7,597,000.00	\$17,237,000.00
1000.00	0.0010	\$12,527,000.00	\$9,908,000.00	\$22,435,000.00

# Exceedance Probability - Damage Function (Summed), Belvidere Town





Belvidere Town  
DR-56 through DR-57

73 Residential  
20 Commercial

Belvidere Town

White Township

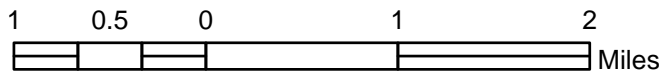


Delaware River Basin, NJ Comprehensive Study  
Belvidere Town



Legend

- Damage Reaches
- Municipalities
- Cross Section



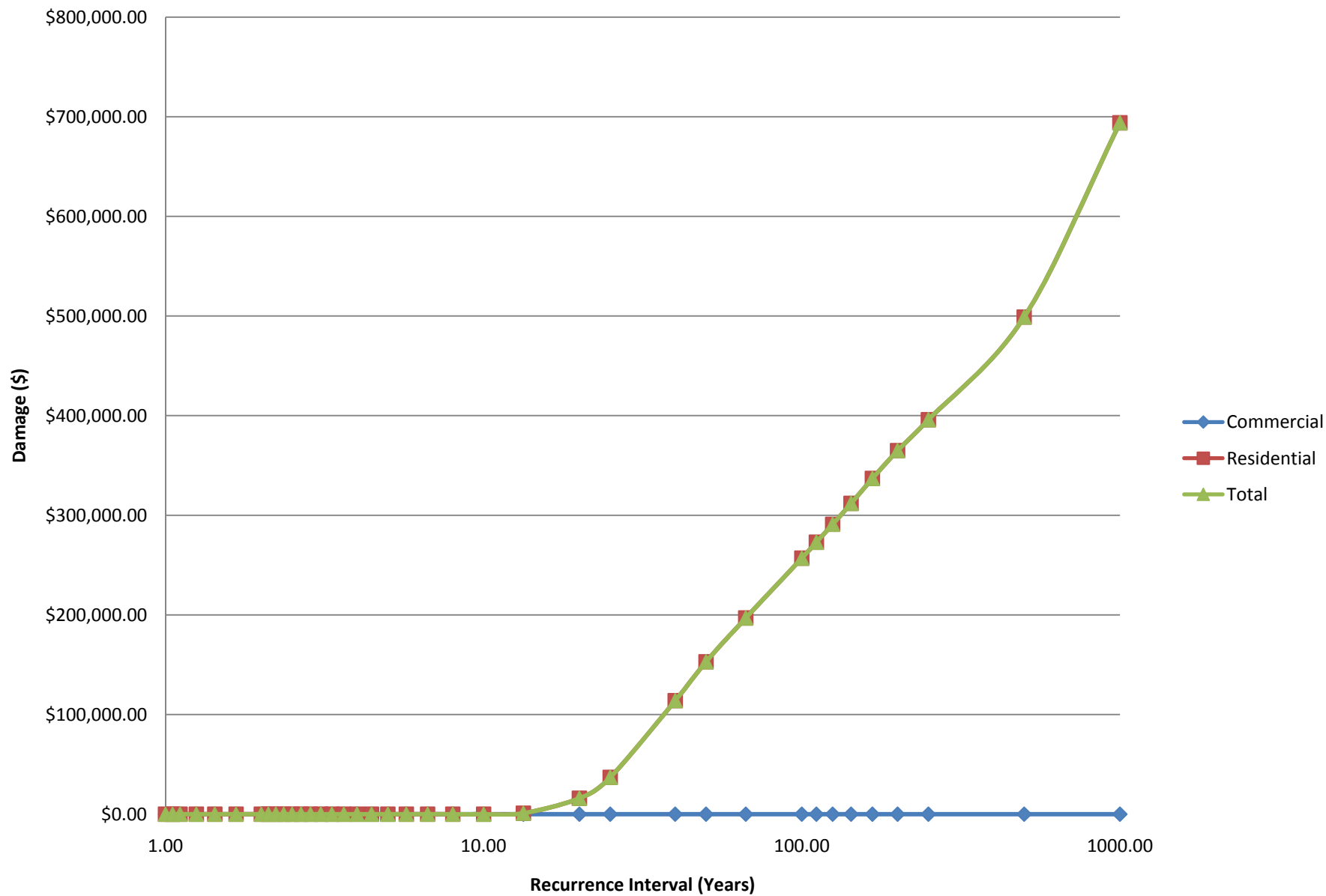




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 54  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$1,000.00	\$1,000.00
20.00	0.0500	\$0.00	\$16,000.00	\$16,000.00
25.00	0.0400	\$0.00	\$37,000.00	\$37,000.00
40.00	0.0250	\$0.00	\$114,000.00	\$114,000.00
50.00	0.0200	\$0.00	\$153,000.00	\$153,000.00
66.67	0.0150	\$0.00	\$197,000.00	\$197,000.00
100.00	0.0100	\$0.00	\$257,000.00	\$257,000.00
111.11	0.0090	\$0.00	\$273,000.00	\$273,000.00
125.00	0.0080	\$0.00	\$291,000.00	\$291,000.00
142.86	0.0070	\$0.00	\$312,000.00	\$312,000.00
166.67	0.0060	\$0.00	\$337,000.00	\$337,000.00
200.00	0.0050	\$0.00	\$365,000.00	\$365,000.00
250.00	0.0040	\$0.00	\$396,000.00	\$396,000.00
500.00	0.0020	\$0.00	\$499,000.00	\$499,000.00
1000.00	0.0010	\$0.00	\$694,000.00	\$694,000.00

## Exceedance Probability - Damage Function, DR-54

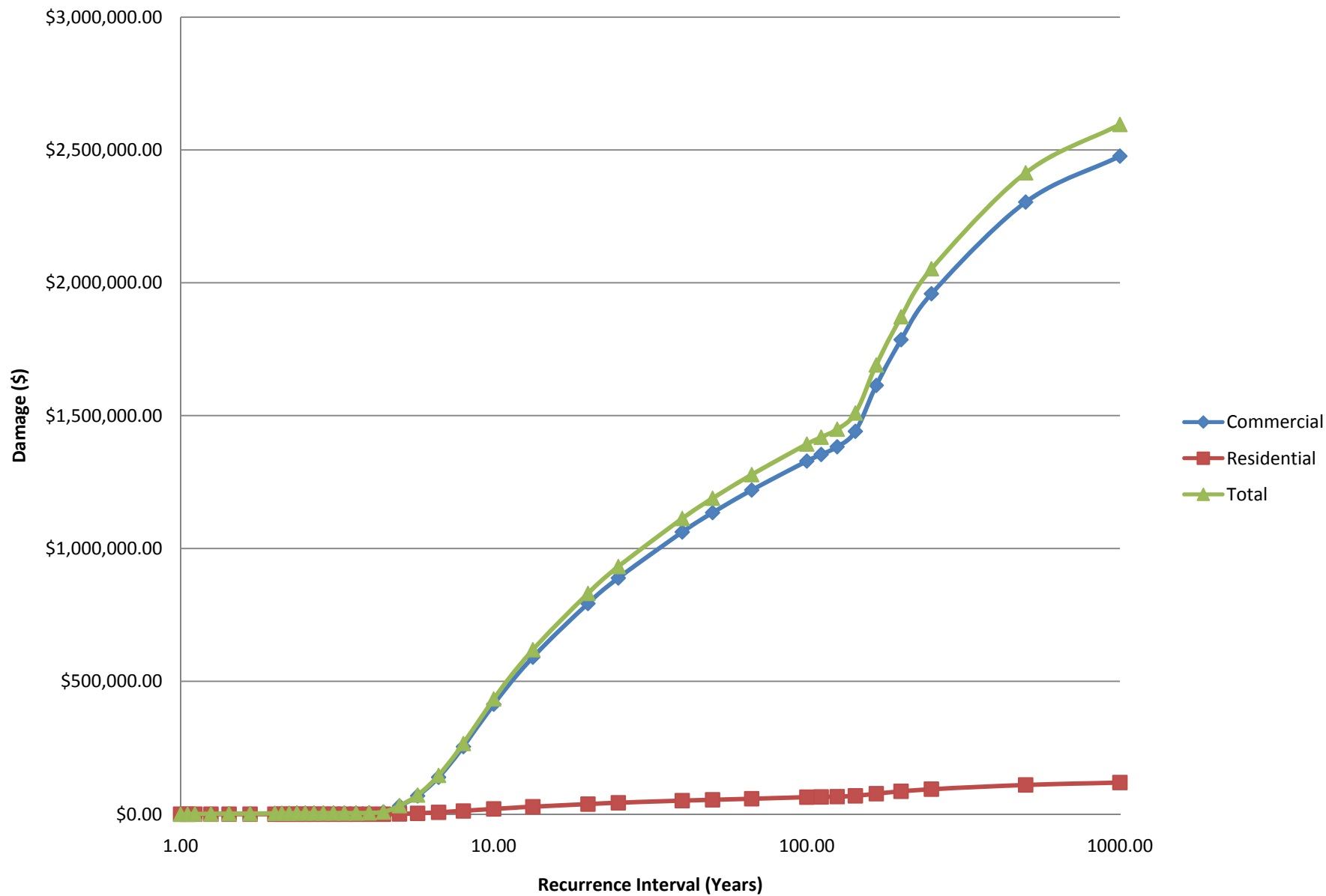




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 59  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$1,000.00	\$0.00	\$1,000.00
1.25	0.8000	\$1,000.00	\$0.00	\$1,000.00
1.43	0.7000	\$2,000.00	\$0.00	\$2,000.00
1.67	0.6000	\$2,000.00	\$0.00	\$2,000.00
2.00	0.5000	\$3,000.00	\$0.00	\$3,000.00
2.11	0.4750	\$3,000.00	\$0.00	\$3,000.00
2.22	0.4500	\$3,000.00	\$0.00	\$3,000.00
2.35	0.4250	\$4,000.00	\$0.00	\$4,000.00
2.50	0.4000	\$4,000.00	\$0.00	\$4,000.00
2.67	0.3750	\$4,000.00	\$0.00	\$4,000.00
2.86	0.3500	\$4,000.00	\$0.00	\$4,000.00
3.08	0.3250	\$4,000.00	\$0.00	\$4,000.00
3.33	0.3000	\$4,000.00	\$0.00	\$4,000.00
3.64	0.2750	\$4,000.00	\$0.00	\$4,000.00
4.00	0.2500	\$5,000.00	\$0.00	\$5,000.00
4.44	0.2250	\$8,000.00	\$0.00	\$8,000.00
5.00	0.2000	\$31,000.00	\$1,000.00	\$32,000.00
5.71	0.1750	\$69,000.00	\$3,000.00	\$72,000.00
6.67	0.1500	\$139,000.00	\$7,000.00	\$146,000.00
8.00	0.1250	\$254,000.00	\$12,000.00	\$266,000.00
10.00	0.1000	\$414,000.00	\$20,000.00	\$434,000.00
13.33	0.0750	\$591,000.00	\$28,000.00	\$619,000.00
20.00	0.0500	\$793,000.00	\$38,000.00	\$831,000.00
25.00	0.0400	\$889,000.00	\$43,000.00	\$932,000.00
40.00	0.0250	\$1,062,000.00	\$51,000.00	\$1,113,000.00
50.00	0.0200	\$1,135,000.00	\$54,000.00	\$1,189,000.00
66.67	0.0150	\$1,220,000.00	\$58,000.00	\$1,278,000.00
100.00	0.0100	\$1,329,000.00	\$64,000.00	\$1,393,000.00
111.11	0.0090	\$1,354,000.00	\$65,000.00	\$1,419,000.00
125.00	0.0080	\$1,383,000.00	\$66,000.00	\$1,449,000.00
142.86	0.0070	\$1,441,000.00	\$69,000.00	\$1,510,000.00
166.67	0.0060	\$1,614,000.00	\$77,000.00	\$1,691,000.00
200.00	0.0050	\$1,786,000.00	\$86,000.00	\$1,872,000.00
250.00	0.0040	\$1,959,000.00	\$94,000.00	\$2,053,000.00
500.00	0.0020	\$2,304,000.00	\$110,000.00	\$2,414,000.00
1000.00	0.0010	\$2,477,000.00	\$119,000.00	\$2,596,000.00

## Exceedance Probability - Damage Function, DR-59

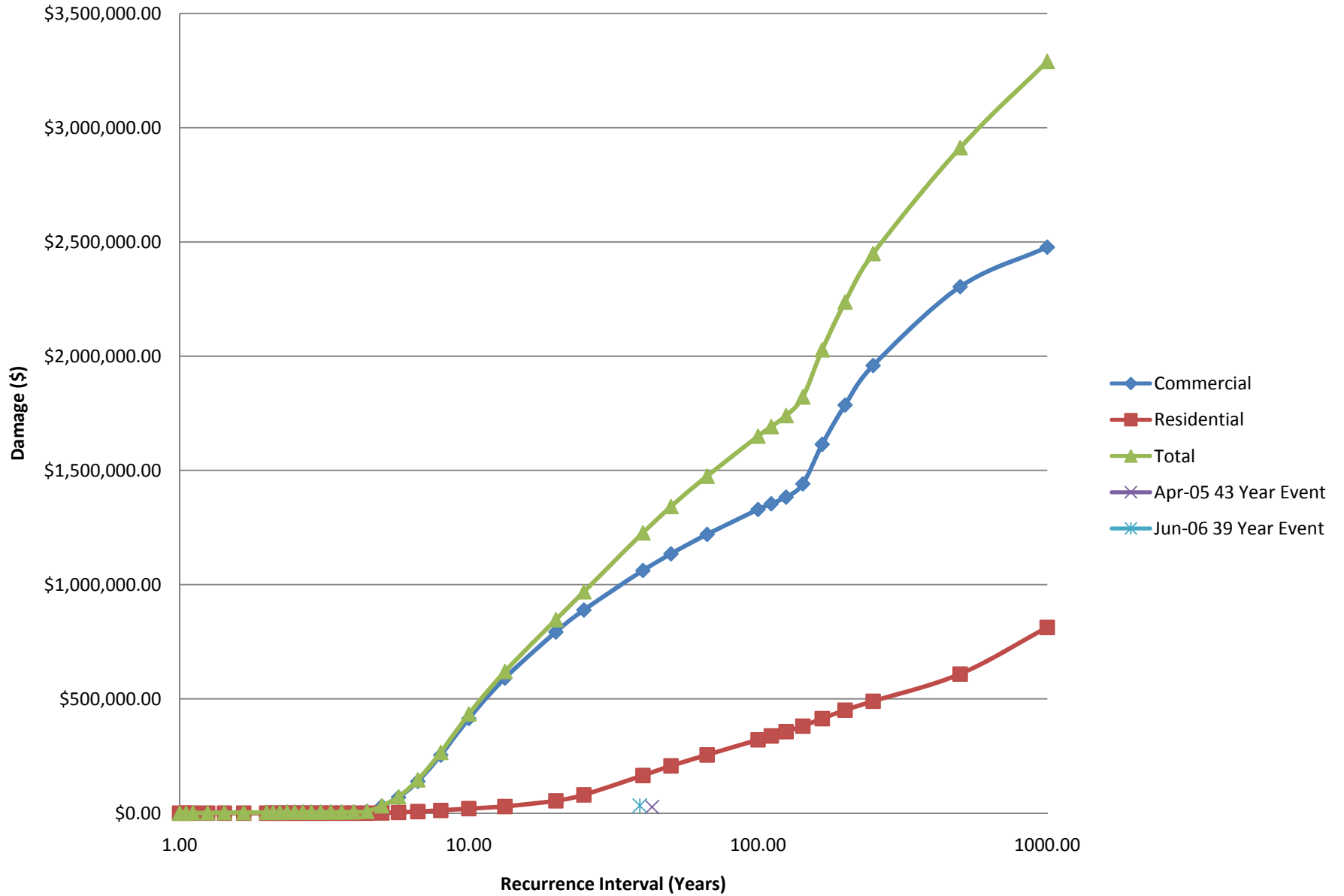


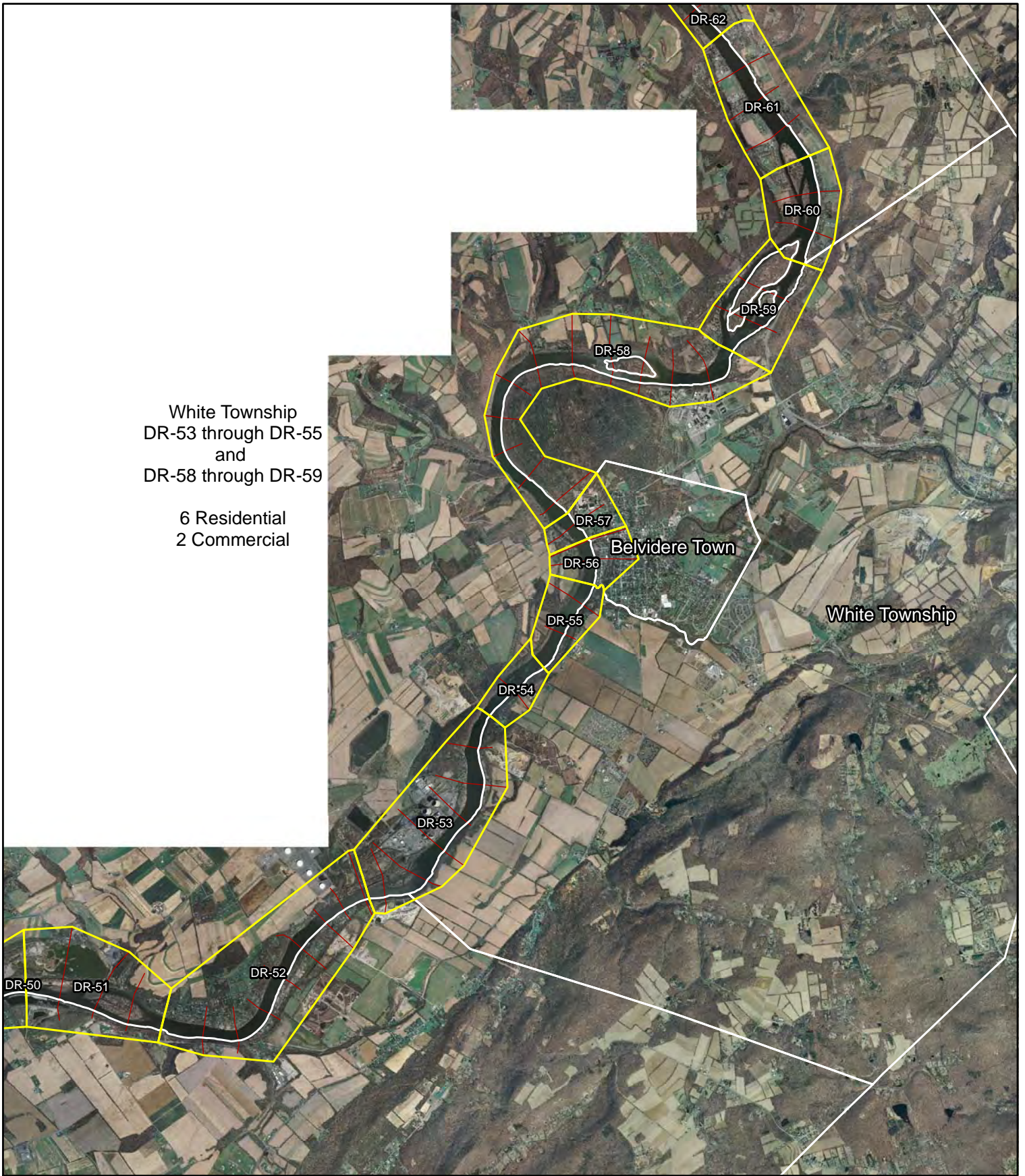


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 White Township, Damage Reaches 54-55, 58-59  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$1,000.00	\$0.00	\$1,000.00
1.25	0.8000	\$1,000.00	\$0.00	\$1,000.00
1.43	0.7000	\$2,000.00	\$0.00	\$2,000.00
1.67	0.6000	\$2,000.00	\$0.00	\$2,000.00
2.00	0.5000	\$3,000.00	\$0.00	\$3,000.00
2.11	0.4750	\$3,000.00	\$0.00	\$3,000.00
2.22	0.4500	\$3,000.00	\$0.00	\$3,000.00
2.35	0.4250	\$4,000.00	\$0.00	\$4,000.00
2.50	0.4000	\$4,000.00	\$0.00	\$4,000.00
2.67	0.3750	\$4,000.00	\$0.00	\$4,000.00
2.86	0.3500	\$4,000.00	\$0.00	\$4,000.00
3.08	0.3250	\$4,000.00	\$0.00	\$4,000.00
3.33	0.3000	\$4,000.00	\$0.00	\$4,000.00
3.64	0.2750	\$4,000.00	\$0.00	\$4,000.00
4.00	0.2500	\$5,000.00	\$0.00	\$5,000.00
4.44	0.2250	\$8,000.00	\$0.00	\$8,000.00
5.00	0.2000	\$31,000.00	\$1,000.00	\$32,000.00
5.71	0.1750	\$69,000.00	\$3,000.00	\$72,000.00
6.67	0.1500	\$139,000.00	\$7,000.00	\$146,000.00
8.00	0.1250	\$254,000.00	\$12,000.00	\$266,000.00
10.00	0.1000	\$414,000.00	\$20,000.00	\$434,000.00
13.33	0.0750	\$591,000.00	\$29,000.00	\$620,000.00
20.00	0.0500	\$793,000.00	\$54,000.00	\$847,000.00
25.00	0.0400	\$889,000.00	\$80,000.00	\$969,000.00
40.00	0.0250	\$1,062,000.00	\$165,000.00	\$1,227,000.00
50.00	0.0200	\$1,135,000.00	\$207,000.00	\$1,342,000.00
66.67	0.0150	\$1,220,000.00	\$255,000.00	\$1,475,000.00
100.00	0.0100	\$1,329,000.00	\$321,000.00	\$1,650,000.00
111.11	0.0090	\$1,354,000.00	\$338,000.00	\$1,692,000.00
125.00	0.0080	\$1,383,000.00	\$357,000.00	\$1,740,000.00
142.86	0.0070	\$1,441,000.00	\$381,000.00	\$1,822,000.00
166.67	0.0060	\$1,614,000.00	\$414,000.00	\$2,028,000.00
200.00	0.0050	\$1,786,000.00	\$451,000.00	\$2,237,000.00
250.00	0.0040	\$1,959,000.00	\$490,000.00	\$2,449,000.00
500.00	0.0020	\$2,304,000.00	\$609,000.00	\$2,913,000.00
1000.00	0.0010	\$2,477,000.00	\$813,000.00	\$3,290,000.00

# Exceedance Probability - Damage Function (Summed), White Township





White Township  
 DR-53 through DR-55  
 and  
 DR-58 through DR-59




6 Residential  
 2 Commercial

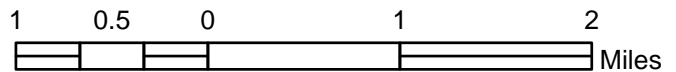


Delaware River Basin, NJ Comprehensive Study  
 White Township



Legend

-  Damage Reaches
-  Municipalities
-  Cross Section



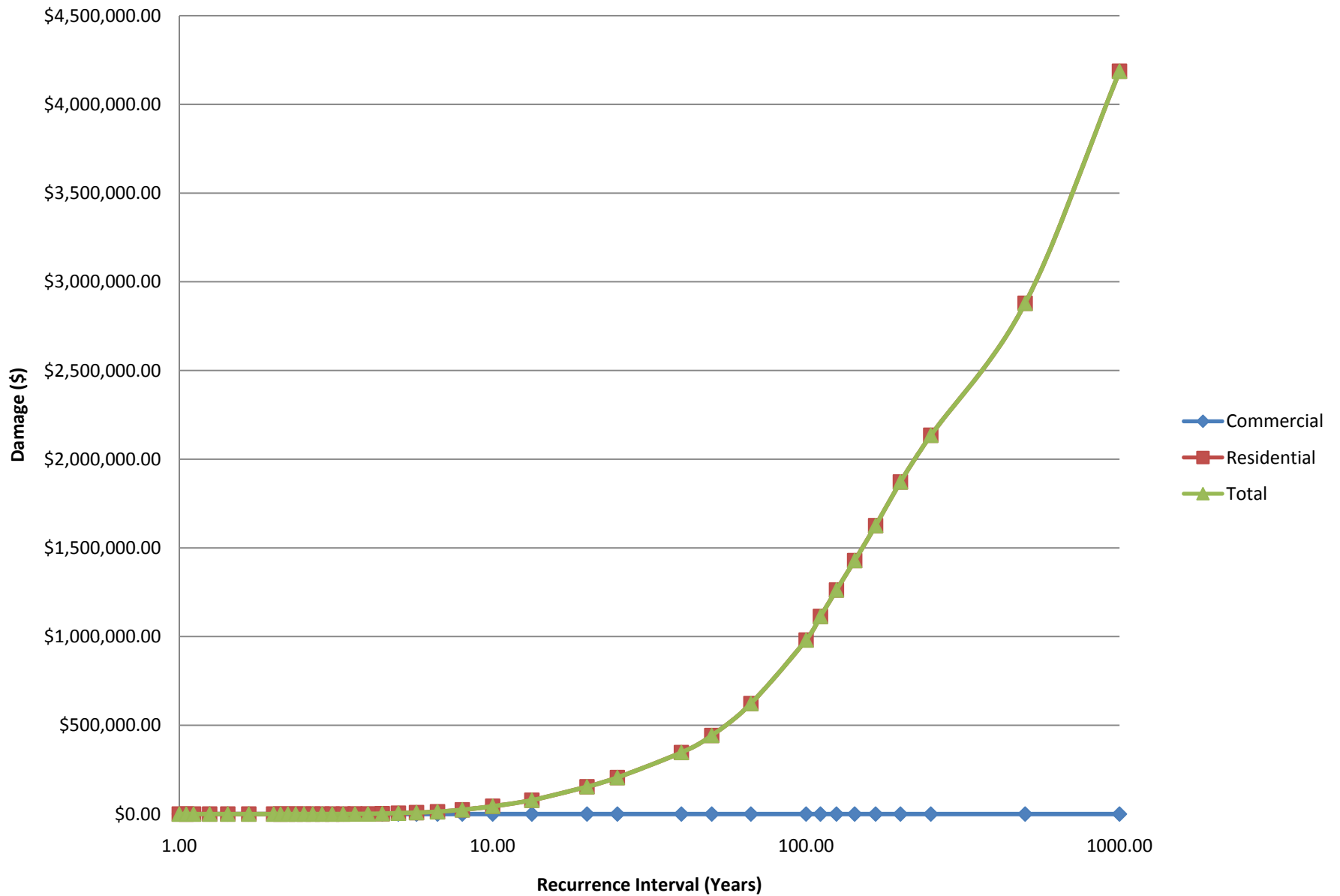


Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 60  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$1,000.00	\$1,000.00
4.00	0.2500	\$0.00	\$1,000.00	\$1,000.00
4.44	0.2250	\$0.00	\$2,000.00	\$2,000.00
5.00	0.2000	\$0.00	\$5,000.00	\$5,000.00
5.71	0.1750	\$0.00	\$8,000.00	\$8,000.00
6.67	0.1500	\$0.00	\$13,000.00	\$13,000.00
8.00	0.1250	\$0.00	\$24,000.00	\$24,000.00
10.00	0.1000	\$0.00	\$44,000.00	\$44,000.00
13.33	0.0750	\$0.00	\$78,000.00	\$78,000.00
20.00	0.0500	\$0.00	\$154,000.00	\$154,000.00
25.00	0.0400	\$0.00	\$206,000.00	\$206,000.00
40.00	0.0250	\$0.00	\$347,000.00	\$347,000.00
50.00	0.0200	\$0.00	\$443,000.00	\$443,000.00
66.67	0.0150	\$0.00	\$623,000.00	\$623,000.00
100.00	0.0100	\$0.00	\$981,000.00	\$981,000.00
111.11	0.0090	\$0.00	\$1,114,000.00	\$1,114,000.00
125.00	0.0080	\$0.00	\$1,263,000.00	\$1,263,000.00
142.86	0.0070	\$0.00	\$1,429,000.00	\$1,429,000.00
166.67	0.0060	\$0.00	\$1,626,000.00	\$1,626,000.00
200.00	0.0050	\$0.00	\$1,872,000.00	\$1,872,000.00
250.00	0.0040	\$0.00	\$2,135,000.00	\$2,135,000.00
500.00	0.0020	\$0.00	\$2,879,000.00	\$2,879,000.00
1000.00	0.0010	\$0.00	\$4,187,000.00	\$4,187,000.00



## Exceedance Probability - Damage Function, DR-60

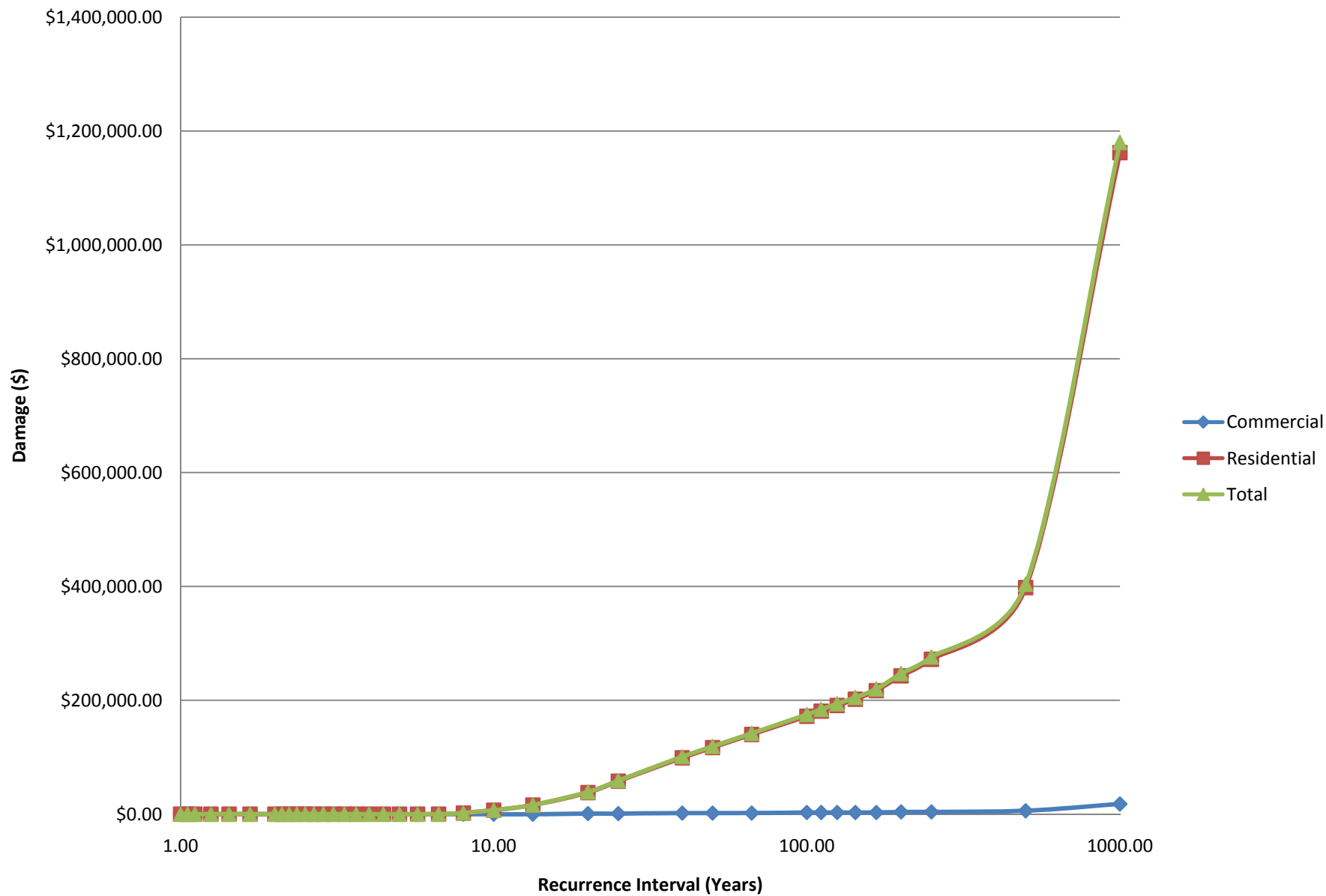




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 61  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$2,000.00	\$2,000.00
10.00	0.1000	\$0.00	\$7,000.00	\$7,000.00
13.33	0.0750	\$0.00	\$16,000.00	\$16,000.00
20.00	0.0500	\$1,000.00	\$38,000.00	\$39,000.00
25.00	0.0400	\$1,000.00	\$58,000.00	\$59,000.00
40.00	0.0250	\$2,000.00	\$99,000.00	\$101,000.00
50.00	0.0200	\$2,000.00	\$117,000.00	\$119,000.00
66.67	0.0150	\$2,000.00	\$140,000.00	\$142,000.00
100.00	0.0100	\$3,000.00	\$172,000.00	\$175,000.00
111.11	0.0090	\$3,000.00	\$181,000.00	\$184,000.00
125.00	0.0080	\$3,000.00	\$191,000.00	\$194,000.00
142.86	0.0070	\$3,000.00	\$202,000.00	\$205,000.00
166.67	0.0060	\$3,000.00	\$217,000.00	\$220,000.00
200.00	0.0050	\$4,000.00	\$243,000.00	\$247,000.00
250.00	0.0040	\$4,000.00	\$272,000.00	\$276,000.00
500.00	0.0020	\$6,000.00	\$398,000.00	\$404,000.00
1000.00	0.0010	\$18,000.00	\$1,162,000.00	\$1,180,000.00

## Exceedance Probability - Damage Function, DR-61

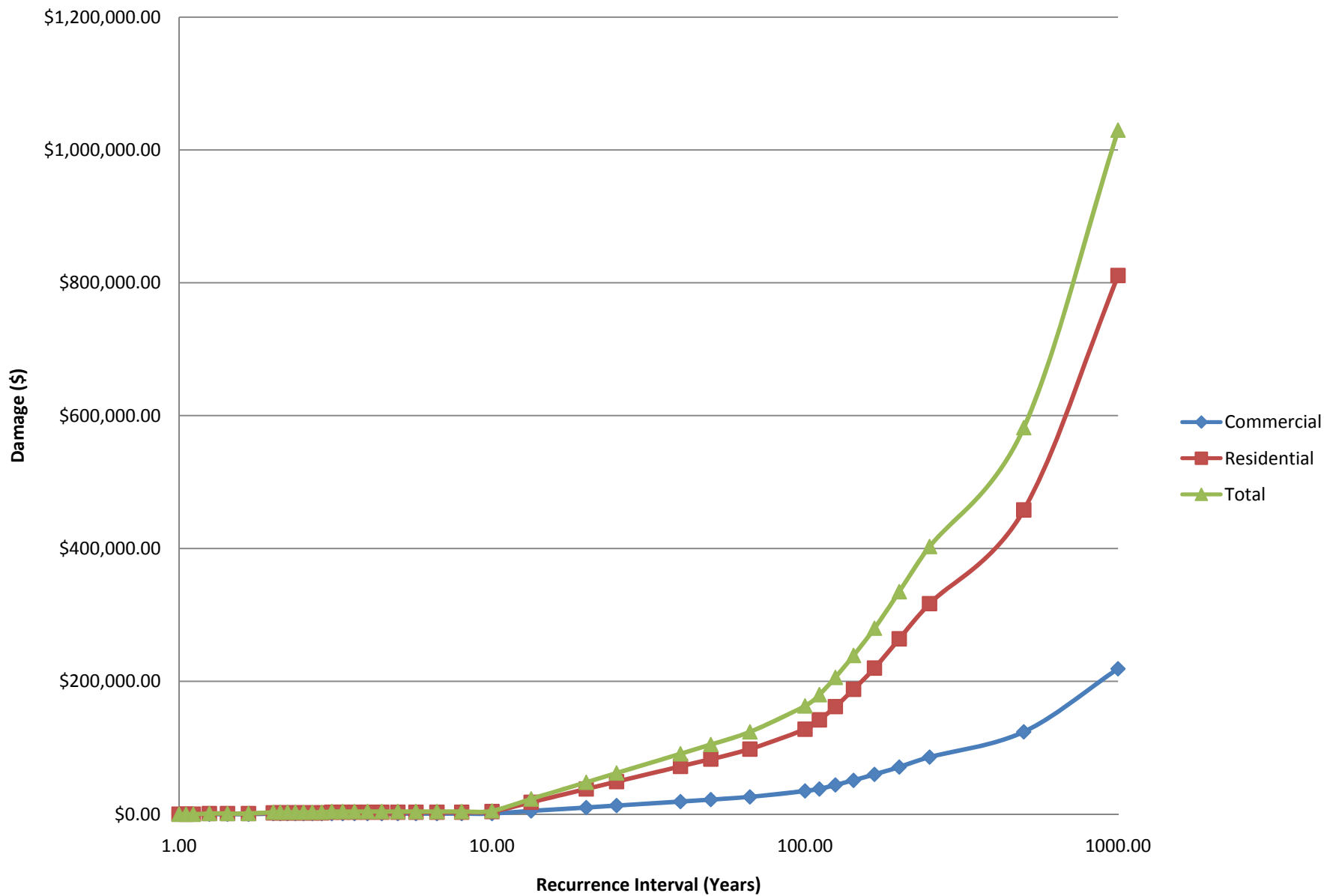




Delaware River Basin  
 Exceedance Probability - Damage Functions  
 Damage Reach 63  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$1,000.00	\$1,000.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$1,000.00	\$2,000.00	\$3,000.00
2.11	0.4750	\$1,000.00	\$2,000.00	\$3,000.00
2.22	0.4500	\$1,000.00	\$2,000.00	\$3,000.00
2.35	0.4250	\$1,000.00	\$2,000.00	\$3,000.00
2.50	0.4000	\$1,000.00	\$2,000.00	\$3,000.00
2.67	0.3750	\$1,000.00	\$2,000.00	\$3,000.00
2.86	0.3500	\$1,000.00	\$2,000.00	\$3,000.00
3.08	0.3250	\$1,000.00	\$3,000.00	\$4,000.00
3.33	0.3000	\$1,000.00	\$3,000.00	\$4,000.00
3.64	0.2750	\$1,000.00	\$3,000.00	\$4,000.00
4.00	0.2500	\$1,000.00	\$3,000.00	\$4,000.00
4.44	0.2250	\$1,000.00	\$3,000.00	\$4,000.00
5.00	0.2000	\$1,000.00	\$3,000.00	\$4,000.00
5.71	0.1750	\$1,000.00	\$3,000.00	\$4,000.00
6.67	0.1500	\$1,000.00	\$3,000.00	\$4,000.00
8.00	0.1250	\$1,000.00	\$3,000.00	\$4,000.00
10.00	0.1000	\$1,000.00	\$4,000.00	\$5,000.00
13.33	0.0750	\$5,000.00	\$18,000.00	\$23,000.00
20.00	0.0500	\$10,000.00	\$38,000.00	\$48,000.00
25.00	0.0400	\$13,000.00	\$49,000.00	\$62,000.00
40.00	0.0250	\$19,000.00	\$72,000.00	\$91,000.00
50.00	0.0200	\$22,000.00	\$83,000.00	\$105,000.00
66.67	0.0150	\$26,000.00	\$98,000.00	\$124,000.00
100.00	0.0100	\$35,000.00	\$128,000.00	\$163,000.00
111.11	0.0090	\$38,000.00	\$142,000.00	\$180,000.00
125.00	0.0080	\$44,000.00	\$162,000.00	\$206,000.00
142.86	0.0070	\$51,000.00	\$188,000.00	\$239,000.00
166.67	0.0060	\$60,000.00	\$220,000.00	\$280,000.00
200.00	0.0050	\$71,000.00	\$264,000.00	\$335,000.00
250.00	0.0040	\$86,000.00	\$317,000.00	\$403,000.00
500.00	0.0020	\$124,000.00	\$458,000.00	\$582,000.00
1000.00	0.0010	\$219,000.00	\$811,000.00	\$1,030,000.00

### Exceedance Probability - Damage Function, DR-63

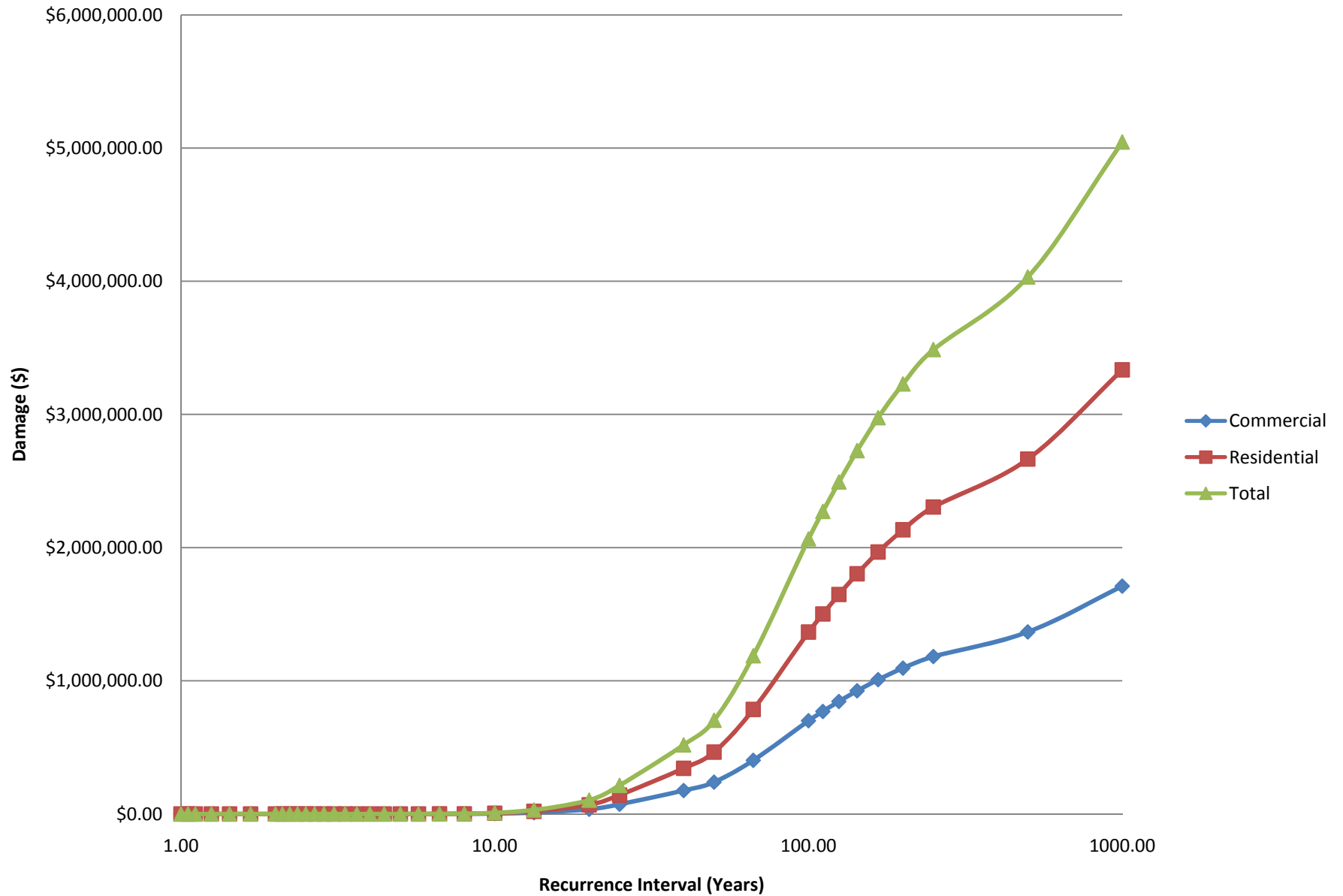




Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 65  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$1,000.00	\$1,000.00
8.00	0.1250	\$1,000.00	\$1,000.00	\$2,000.00
10.00	0.1000	\$3,000.00	\$6,000.00	\$9,000.00
13.33	0.0750	\$10,000.00	\$20,000.00	\$30,000.00
20.00	0.0500	\$35,000.00	\$69,000.00	\$104,000.00
25.00	0.0400	\$73,000.00	\$142,000.00	\$215,000.00
40.00	0.0250	\$176,000.00	\$343,000.00	\$519,000.00
50.00	0.0200	\$239,000.00	\$465,000.00	\$704,000.00
66.67	0.0150	\$403,000.00	\$785,000.00	\$1,188,000.00
100.00	0.0100	\$700,000.00	\$1,366,000.00	\$2,066,000.00
111.11	0.0090	\$770,000.00	\$1,502,000.00	\$2,272,000.00
125.00	0.0080	\$845,000.00	\$1,648,000.00	\$2,493,000.00
142.86	0.0070	\$925,000.00	\$1,804,000.00	\$2,729,000.00
166.67	0.0060	\$1,009,000.00	\$1,967,000.00	\$2,976,000.00
200.00	0.0050	\$1,095,000.00	\$2,134,000.00	\$3,229,000.00
250.00	0.0040	\$1,182,000.00	\$2,305,000.00	\$3,487,000.00
500.00	0.0020	\$1,367,000.00	\$2,665,000.00	\$4,032,000.00
1000.00	0.0010	\$1,711,000.00	\$3,335,000.00	\$5,046,000.00

## Exceedance Probability - Damage Function, DR-65



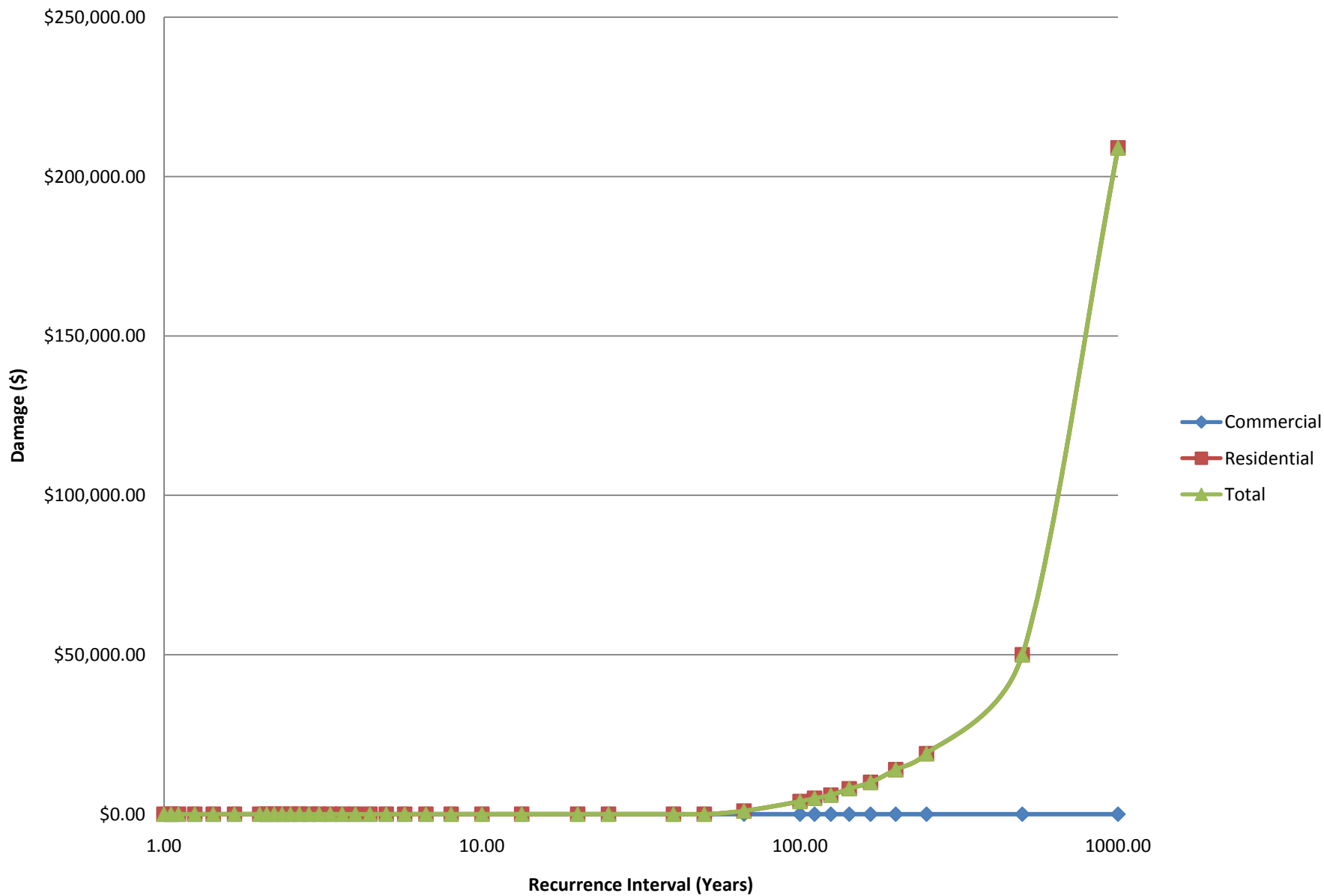


Delaware River Basin  
Exceedance Probability - Damage Functions  
Damage Reach 66  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$0.00	\$0.00
1.43	0.7000	\$0.00	\$0.00	\$0.00
1.67	0.6000	\$0.00	\$0.00	\$0.00
2.00	0.5000	\$0.00	\$0.00	\$0.00
2.11	0.4750	\$0.00	\$0.00	\$0.00
2.22	0.4500	\$0.00	\$0.00	\$0.00
2.35	0.4250	\$0.00	\$0.00	\$0.00
2.50	0.4000	\$0.00	\$0.00	\$0.00
2.67	0.3750	\$0.00	\$0.00	\$0.00
2.86	0.3500	\$0.00	\$0.00	\$0.00
3.08	0.3250	\$0.00	\$0.00	\$0.00
3.33	0.3000	\$0.00	\$0.00	\$0.00
3.64	0.2750	\$0.00	\$0.00	\$0.00
4.00	0.2500	\$0.00	\$0.00	\$0.00
4.44	0.2250	\$0.00	\$0.00	\$0.00
5.00	0.2000	\$0.00	\$0.00	\$0.00
5.71	0.1750	\$0.00	\$0.00	\$0.00
6.67	0.1500	\$0.00	\$0.00	\$0.00
8.00	0.1250	\$0.00	\$0.00	\$0.00
10.00	0.1000	\$0.00	\$0.00	\$0.00
13.33	0.0750	\$0.00	\$0.00	\$0.00
20.00	0.0500	\$0.00	\$0.00	\$0.00
25.00	0.0400	\$0.00	\$0.00	\$0.00
40.00	0.0250	\$0.00	\$0.00	\$0.00
50.00	0.0200	\$0.00	\$0.00	\$0.00
66.67	0.0150	\$0.00	\$1,000.00	\$1,000.00
100.00	0.0100	\$0.00	\$4,000.00	\$4,000.00
111.11	0.0090	\$0.00	\$5,000.00	\$5,000.00
125.00	0.0080	\$0.00	\$6,000.00	\$6,000.00
142.86	0.0070	\$0.00	\$8,000.00	\$8,000.00
166.67	0.0060	\$0.00	\$10,000.00	\$10,000.00
200.00	0.0050	\$0.00	\$14,000.00	\$14,000.00
250.00	0.0040	\$0.00	\$19,000.00	\$19,000.00
500.00	0.0020	\$0.00	\$50,000.00	\$50,000.00
1000.00	0.0010	\$0.00	\$209,000.00	\$209,000.00



### Exceedance Probability - Damage Function, DR-66

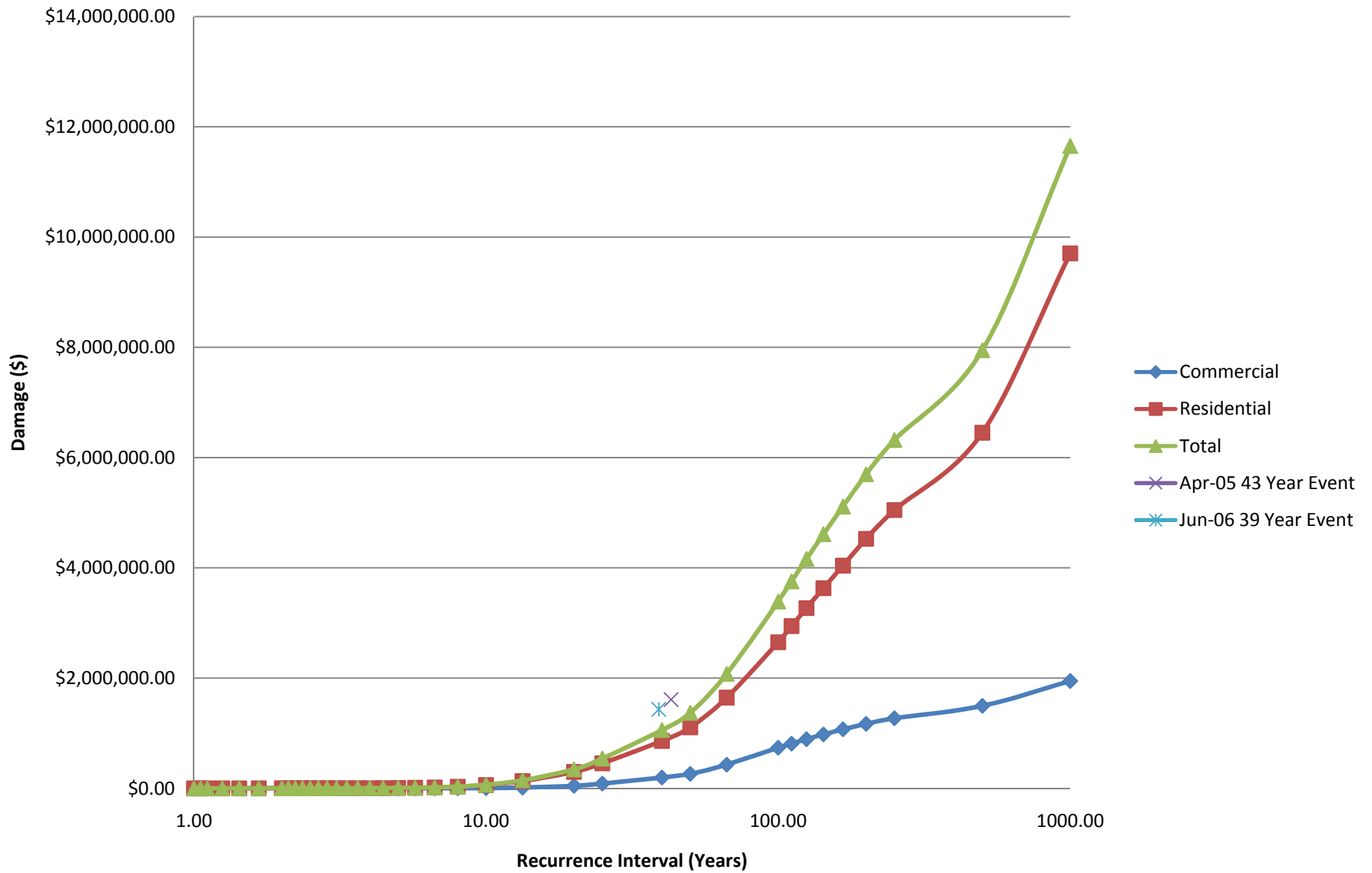


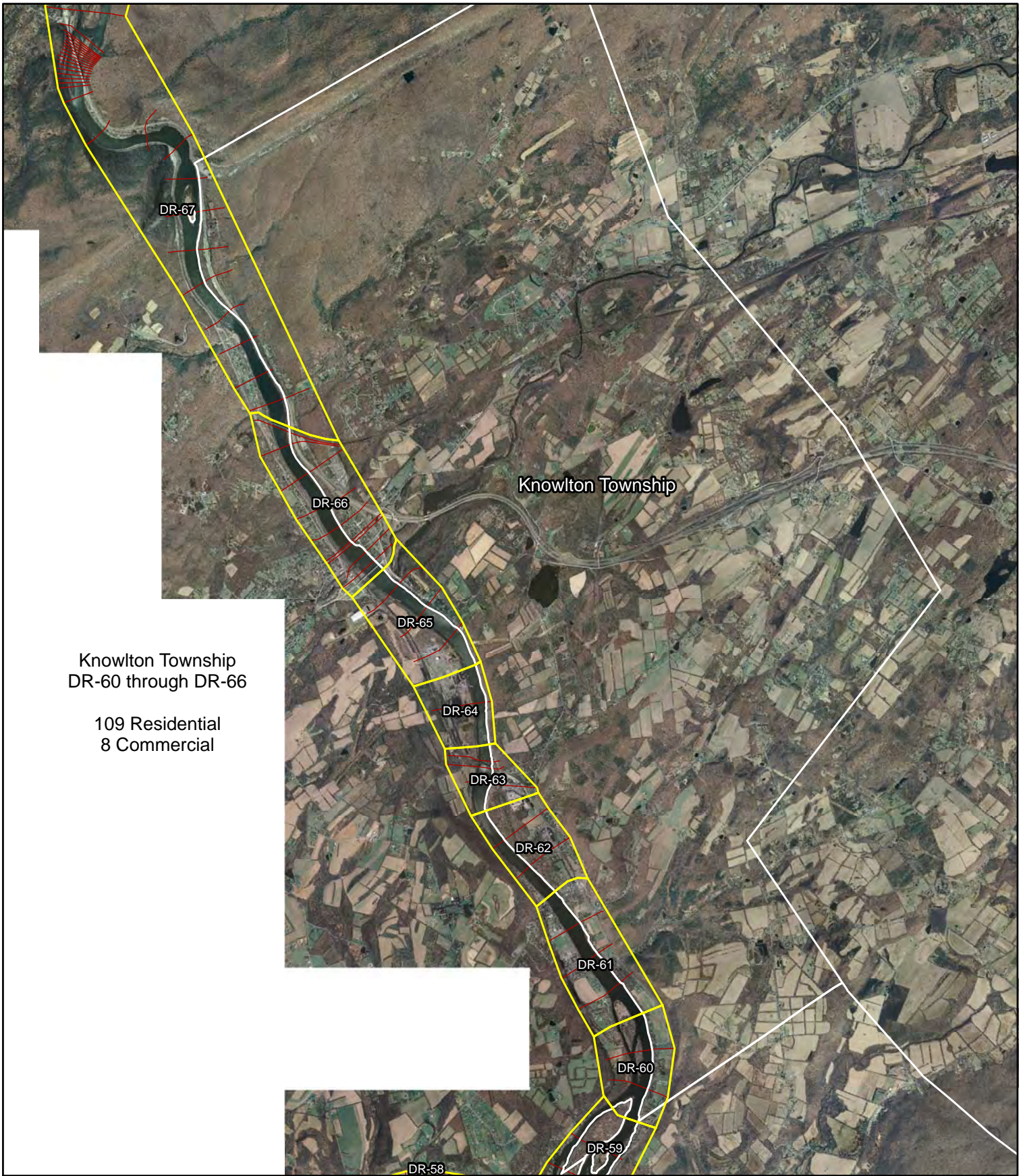


Delaware River Basin  
 Exceedance Probability - Damage Functions (Summed)  
 Knowlton, Damage Reaches 60-67  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$0.00	\$0.00
1.05	0.9500	\$0.00	\$0.00	\$0.00
1.11	0.9000	\$0.00	\$0.00	\$0.00
1.25	0.8000	\$0.00	\$1,000.00	\$1,000.00
1.43	0.7000	\$0.00	\$1,000.00	\$1,000.00
1.67	0.6000	\$0.00	\$1,000.00	\$1,000.00
2.00	0.5000	\$1,000.00	\$2,000.00	\$3,000.00
2.11	0.4750	\$1,000.00	\$2,000.00	\$3,000.00
2.22	0.4500	\$1,000.00	\$2,000.00	\$3,000.00
2.35	0.4250	\$1,000.00	\$2,000.00	\$3,000.00
2.50	0.4000	\$1,000.00	\$2,000.00	\$3,000.00
2.67	0.3750	\$1,000.00	\$2,000.00	\$3,000.00
2.86	0.3500	\$1,000.00	\$2,000.00	\$3,000.00
3.08	0.3250	\$1,000.00	\$3,000.00	\$4,000.00
3.33	0.3000	\$1,000.00	\$3,000.00	\$4,000.00
3.64	0.2750	\$1,000.00	\$4,000.00	\$5,000.00
4.00	0.2500	\$1,000.00	\$4,000.00	\$5,000.00
4.44	0.2250	\$1,000.00	\$5,000.00	\$6,000.00
5.00	0.2000	\$1,000.00	\$8,000.00	\$9,000.00
5.71	0.1750	\$1,000.00	\$11,000.00	\$12,000.00
6.67	0.1500	\$1,000.00	\$17,000.00	\$18,000.00
8.00	0.1250	\$2,000.00	\$30,000.00	\$32,000.00
10.00	0.1000	\$4,000.00	\$61,000.00	\$65,000.00
13.33	0.0750	\$15,000.00	\$132,000.00	\$147,000.00
20.00	0.0500	\$46,000.00	\$299,000.00	\$345,000.00
25.00	0.0400	\$87,000.00	\$455,000.00	\$542,000.00
40.00	0.0250	\$197,000.00	\$861,000.00	\$1,058,000.00
50.00	0.0200	\$263,000.00	\$1,108,000.00	\$1,371,000.00
66.67	0.0150	\$431,000.00	\$1,647,000.00	\$2,078,000.00
100.00	0.0100	\$738,000.00	\$2,651,000.00	\$3,389,000.00
111.11	0.0090	\$811,000.00	\$2,944,000.00	\$3,755,000.00
125.00	0.0080	\$892,000.00	\$3,270,000.00	\$4,162,000.00
142.86	0.0070	\$979,000.00	\$3,631,000.00	\$4,610,000.00
166.67	0.0060	\$1,072,000.00	\$4,040,000.00	\$5,112,000.00
200.00	0.0050	\$1,170,000.00	\$4,527,000.00	\$5,697,000.00
250.00	0.0040	\$1,272,000.00	\$5,048,000.00	\$6,320,000.00
500.00	0.0020	\$1,497,000.00	\$6,450,000.00	\$7,947,000.00
1000.00	0.0010	\$1,948,000.00	\$9,704,000.00	\$11,652,000.00

# Exceedance Probability - Damage Function (Summed), Knowlton Township



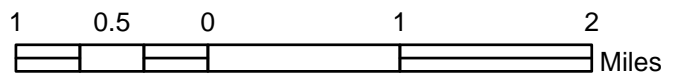


Delaware River Basin, NJ Comprehensive Study  
Knowlton Township



Legend

- Damage Reaches
- Municipalities
- Cross Section

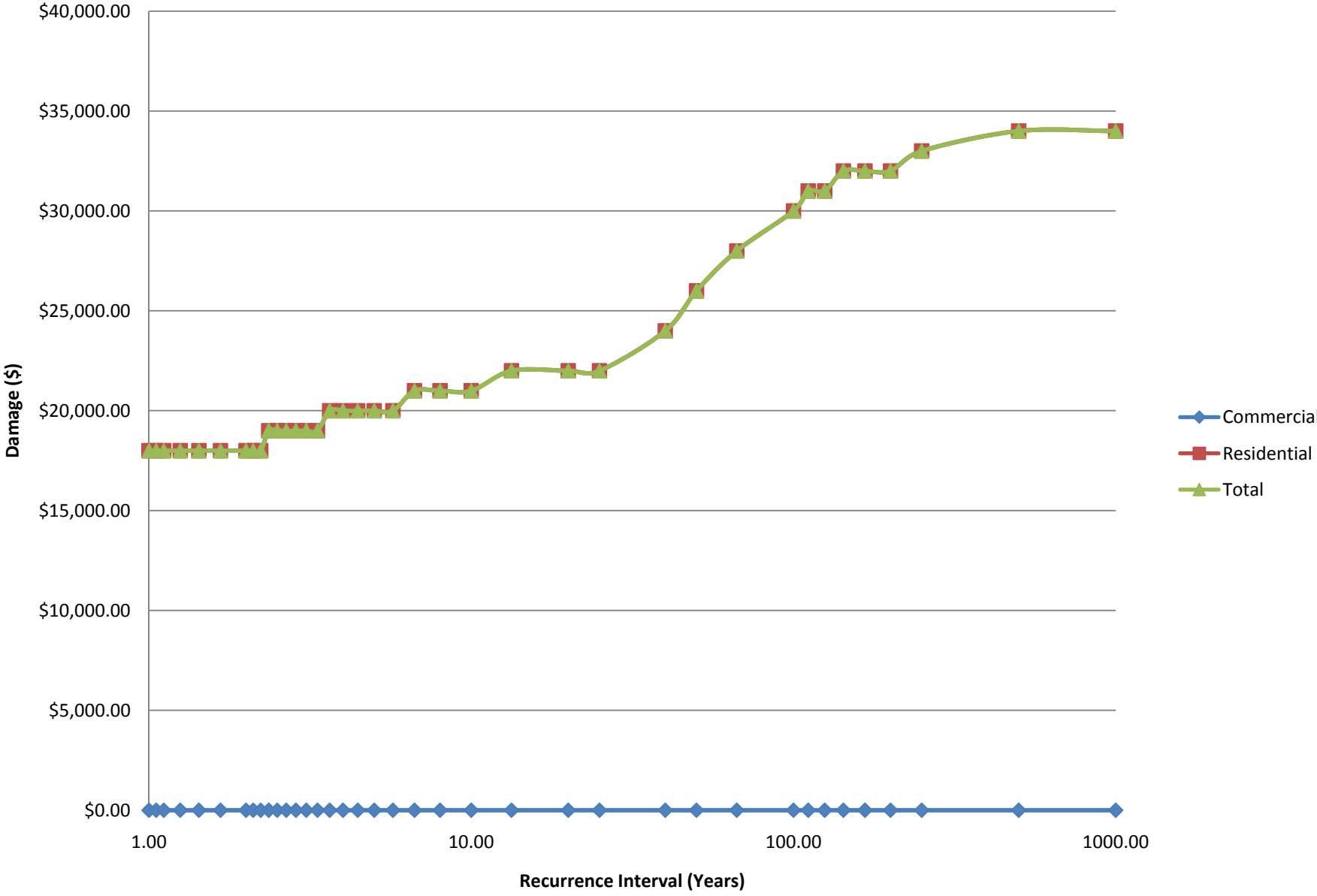




Delaware River Basin - Repaupo Levee  
 Exceedance Probability - Damage Functions  
 for Damage Reach 1 (RL-1)  
 Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$0.00	\$18,000.00	\$18,000.00
1.05	0.9500	\$0.00	\$18,000.00	\$18,000.00
1.11	0.9000	\$0.00	\$18,000.00	\$18,000.00
1.25	0.8000	\$0.00	\$18,000.00	\$18,000.00
1.43	0.7000	\$0.00	\$18,000.00	\$18,000.00
1.67	0.6000	\$0.00	\$18,000.00	\$18,000.00
2.00	0.5000	\$0.00	\$18,000.00	\$18,000.00
2.11	0.4750	\$0.00	\$18,000.00	\$18,000.00
2.22	0.4500	\$0.00	\$18,000.00	\$18,000.00
2.35	0.4250	\$0.00	\$19,000.00	\$19,000.00
2.50	0.4000	\$0.00	\$19,000.00	\$19,000.00
2.67	0.3750	\$0.00	\$19,000.00	\$19,000.00
2.86	0.3500	\$0.00	\$19,000.00	\$19,000.00
3.08	0.3250	\$0.00	\$19,000.00	\$19,000.00
3.33	0.3000	\$0.00	\$19,000.00	\$19,000.00
3.64	0.2750	\$0.00	\$20,000.00	\$20,000.00
4.00	0.2500	\$0.00	\$20,000.00	\$20,000.00
4.44	0.2250	\$0.00	\$20,000.00	\$20,000.00
5.00	0.2000	\$0.00	\$20,000.00	\$20,000.00
5.71	0.1750	\$0.00	\$20,000.00	\$20,000.00
6.67	0.1500	\$0.00	\$21,000.00	\$21,000.00
8.00	0.1250	\$0.00	\$21,000.00	\$21,000.00
10.00	0.1000	\$0.00	\$21,000.00	\$21,000.00
13.33	0.0750	\$0.00	\$22,000.00	\$22,000.00
20.00	0.0500	\$0.00	\$22,000.00	\$22,000.00
25.00	0.0400	\$0.00	\$22,000.00	\$22,000.00
40.00	0.0250	\$0.00	\$24,000.00	\$24,000.00
50.00	0.0200	\$0.00	\$26,000.00	\$26,000.00
66.67	0.0150	\$0.00	\$28,000.00	\$28,000.00
100.00	0.0100	\$0.00	\$30,000.00	\$30,000.00
111.11	0.0090	\$0.00	\$31,000.00	\$31,000.00
125.00	0.0080	\$0.00	\$31,000.00	\$31,000.00
142.86	0.0070	\$0.00	\$32,000.00	\$32,000.00
166.67	0.0060	\$0.00	\$32,000.00	\$32,000.00
200.00	0.0050	\$0.00	\$32,000.00	\$32,000.00
250.00	0.0040	\$0.00	\$33,000.00	\$33,000.00
500.00	0.0020	\$0.00	\$34,000.00	\$34,000.00
1000.00	0.0010	\$0.00	\$34,000.00	\$34,000.00

# Exceedance Probability - Damage Function, RL-1

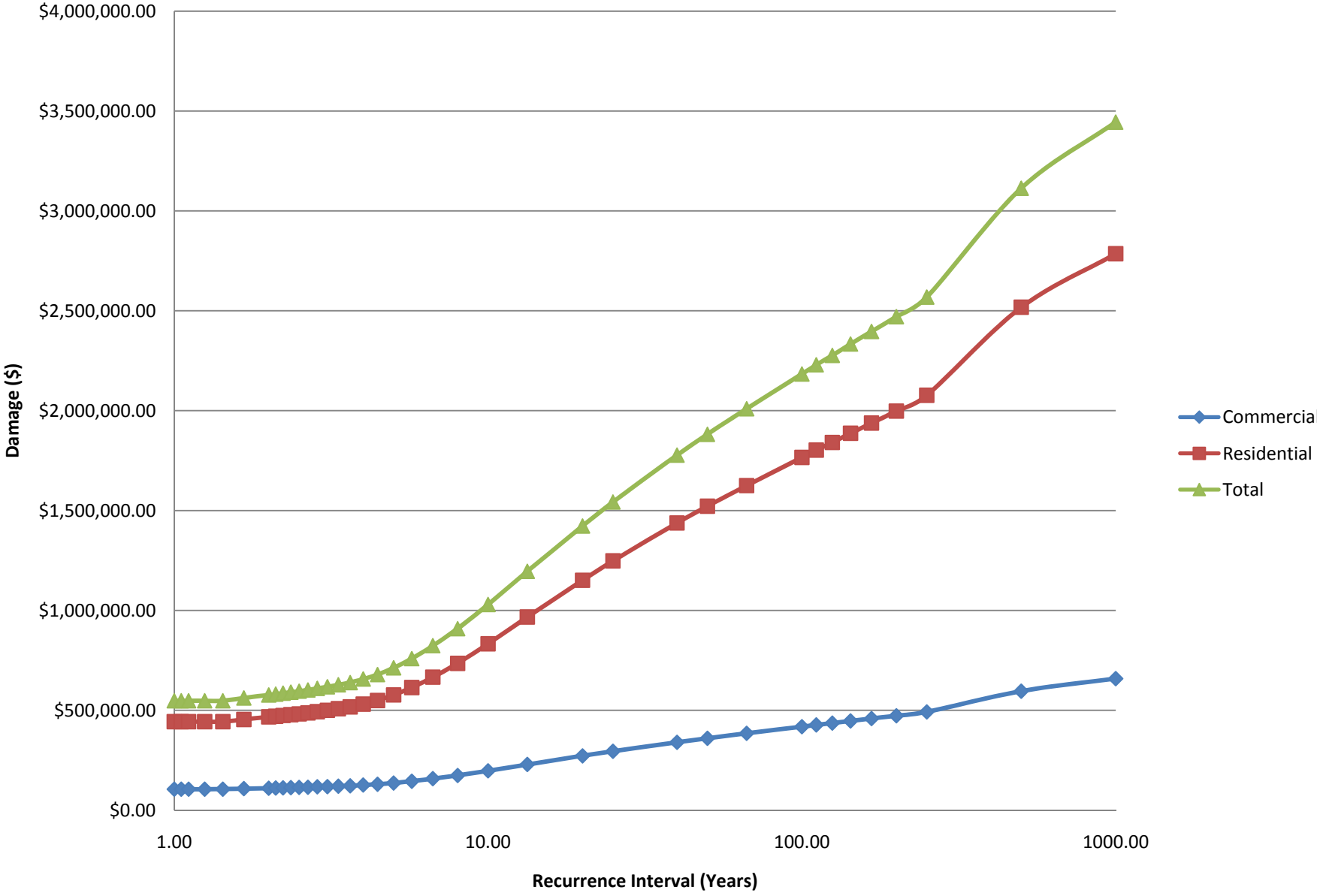




Delaware River Basin - Repaupo Levee  
Exceedance Probability - Damage Functions  
for Damage Reach 2 (RL-2)  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$105,000.00	\$443,000.00	\$548,000.00
1.05	0.9500	\$105,000.00	\$443,000.00	\$548,000.00
1.11	0.9000	\$105,000.00	\$443,000.00	\$548,000.00
1.25	0.8000	\$105,000.00	\$443,000.00	\$548,000.00
1.43	0.7000	\$105,000.00	\$443,000.00	\$548,000.00
1.67	0.6000	\$108,000.00	\$454,000.00	\$562,000.00
2.00	0.5000	\$110,000.00	\$467,000.00	\$577,000.00
2.11	0.4750	\$111,000.00	\$470,000.00	\$581,000.00
2.22	0.4500	\$112,000.00	\$474,000.00	\$586,000.00
2.35	0.4250	\$113,000.00	\$478,000.00	\$591,000.00
2.50	0.4000	\$114,000.00	\$482,000.00	\$596,000.00
2.67	0.3750	\$115,000.00	\$487,000.00	\$602,000.00
2.86	0.3500	\$117,000.00	\$493,000.00	\$610,000.00
3.08	0.3250	\$118,000.00	\$500,000.00	\$618,000.00
3.33	0.3000	\$120,000.00	\$508,000.00	\$628,000.00
3.64	0.2750	\$122,000.00	\$517,000.00	\$639,000.00
4.00	0.2500	\$126,000.00	\$531,000.00	\$657,000.00
4.44	0.2250	\$130,000.00	\$549,000.00	\$679,000.00
5.00	0.2000	\$136,000.00	\$577,000.00	\$713,000.00
5.71	0.1750	\$145,000.00	\$614,000.00	\$759,000.00
6.67	0.1500	\$158,000.00	\$666,000.00	\$824,000.00
8.00	0.1250	\$174,000.00	\$735,000.00	\$909,000.00
10.00	0.1000	\$197,000.00	\$833,000.00	\$1,030,000.00
13.33	0.0750	\$229,000.00	\$967,000.00	\$1,196,000.00
20.00	0.0500	\$272,000.00	\$1,151,000.00	\$1,423,000.00
25.00	0.0400	\$295,000.00	\$1,248,000.00	\$1,543,000.00
40.00	0.0250	\$340,000.00	\$1,438,000.00	\$1,778,000.00
50.00	0.0200	\$360,000.00	\$1,522,000.00	\$1,882,000.00
66.67	0.0150	\$385,000.00	\$1,625,000.00	\$2,010,000.00
100.00	0.0100	\$418,000.00	\$1,766,000.00	\$2,184,000.00
111.11	0.0090	\$427,000.00	\$1,803,000.00	\$2,230,000.00
125.00	0.0080	\$436,000.00	\$1,841,000.00	\$2,277,000.00
142.86	0.0070	\$447,000.00	\$1,887,000.00	\$2,334,000.00
166.67	0.0060	\$459,000.00	\$1,938,000.00	\$2,397,000.00
200.00	0.0050	\$473,000.00	\$1,998,000.00	\$2,471,000.00
250.00	0.0040	\$492,000.00	\$2,077,000.00	\$2,569,000.00
500.00	0.0020	\$596,000.00	\$2,518,000.00	\$3,114,000.00
1000.00	0.0010	\$659,000.00	\$2,786,000.00	\$3,445,000.00

### Exceedance Probability - Damage Function, RL-2



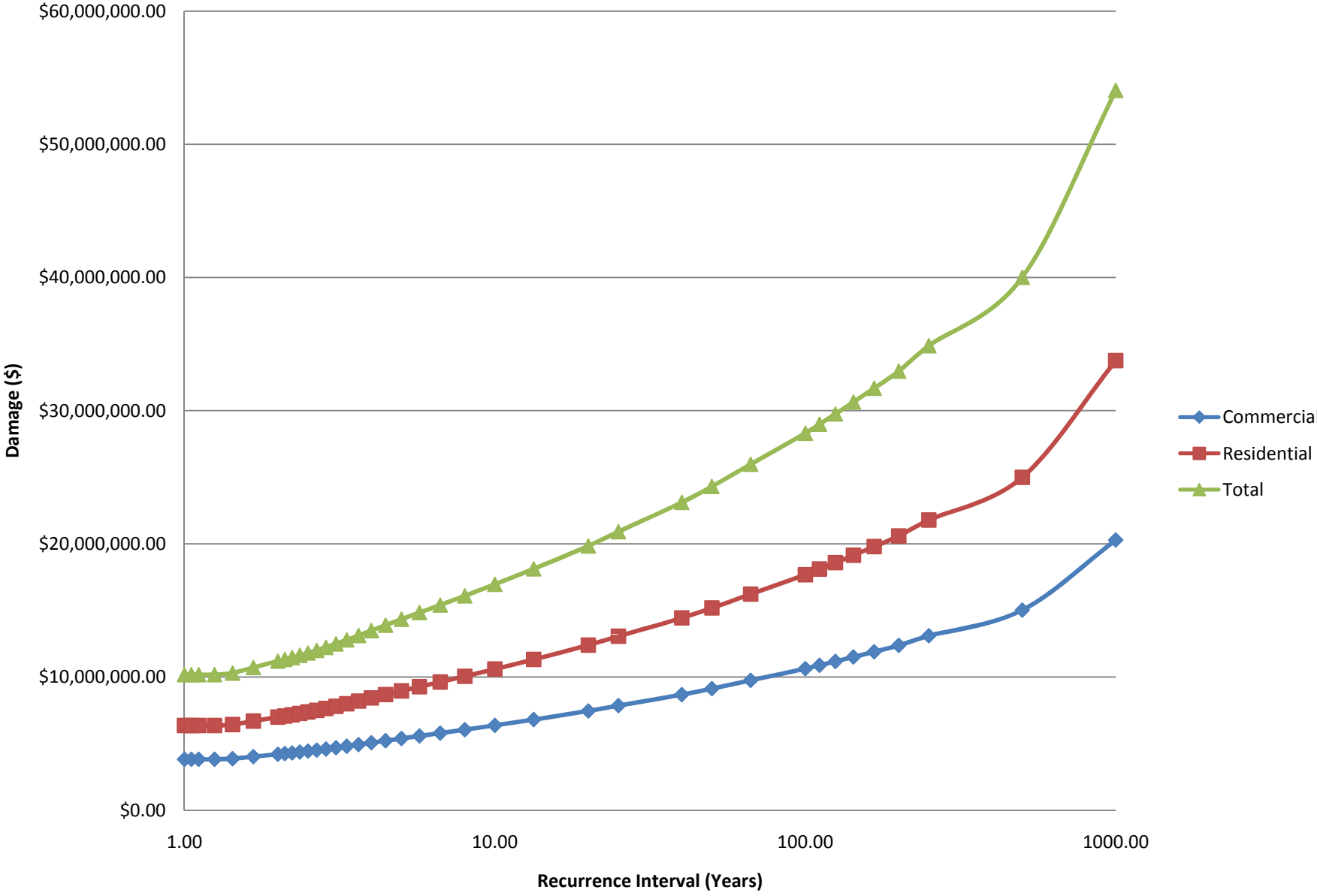




Delaware River Basin - Repaupo Levee  
Exceedance Probability - Damage Functions  
for Damage Reach 3 (RL-3)  
Without Project Condition

Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$3,822,000.00	\$6,358,000.00	\$10,180,000.00
1.05	0.9500	\$3,822,000.00	\$6,358,000.00	\$10,180,000.00
1.11	0.9000	\$3,822,000.00	\$6,358,000.00	\$10,180,000.00
1.25	0.8000	\$3,822,000.00	\$6,358,000.00	\$10,180,000.00
1.43	0.7000	\$3,867,000.00	\$6,434,000.00	\$10,301,000.00
1.67	0.6000	\$4,023,000.00	\$6,694,000.00	\$10,717,000.00
2.00	0.5000	\$4,203,000.00	\$6,994,000.00	\$11,197,000.00
2.11	0.4750	\$4,252,000.00	\$7,075,000.00	\$11,327,000.00
2.22	0.4500	\$4,303,000.00	\$7,160,000.00	\$11,463,000.00
2.35	0.4250	\$4,368,000.00	\$7,267,000.00	\$11,635,000.00
2.50	0.4000	\$4,434,000.00	\$7,377,000.00	\$11,811,000.00
2.67	0.3750	\$4,506,000.00	\$7,497,000.00	\$12,003,000.00
2.86	0.3500	\$4,591,000.00	\$7,639,000.00	\$12,230,000.00
3.08	0.3250	\$4,690,000.00	\$7,804,000.00	\$12,494,000.00
3.33	0.3000	\$4,803,000.00	\$7,992,000.00	\$12,795,000.00
3.64	0.2750	\$4,927,000.00	\$8,197,000.00	\$13,124,000.00
4.00	0.2500	\$5,066,000.00	\$8,429,000.00	\$13,495,000.00
4.44	0.2250	\$5,218,000.00	\$8,682,000.00	\$13,900,000.00
5.00	0.2000	\$5,386,000.00	\$8,961,000.00	\$14,347,000.00
5.71	0.1750	\$5,572,000.00	\$9,272,000.00	\$14,844,000.00
6.67	0.1500	\$5,786,000.00	\$9,627,000.00	\$15,413,000.00
8.00	0.1250	\$6,042,000.00	\$10,053,000.00	\$16,095,000.00
10.00	0.1000	\$6,371,000.00	\$10,599,000.00	\$16,970,000.00
13.33	0.0750	\$6,806,000.00	\$11,324,000.00	\$18,130,000.00
20.00	0.0500	\$7,450,000.00	\$12,396,000.00	\$19,846,000.00
25.00	0.0400	\$7,853,000.00	\$13,066,000.00	\$20,919,000.00
40.00	0.0250	\$8,678,000.00	\$14,438,000.00	\$23,116,000.00
50.00	0.0200	\$9,128,000.00	\$15,188,000.00	\$24,316,000.00
66.67	0.0150	\$9,753,000.00	\$16,227,000.00	\$25,980,000.00
100.00	0.0100	\$10,628,000.00	\$17,683,000.00	\$28,311,000.00
111.11	0.0090	\$10,883,000.00	\$18,107,000.00	\$28,990,000.00
125.00	0.0080	\$11,173,000.00	\$18,589,000.00	\$29,762,000.00
142.86	0.0070	\$11,506,000.00	\$19,144,000.00	\$30,650,000.00
166.67	0.0060	\$11,899,000.00	\$19,797,000.00	\$31,696,000.00
200.00	0.0050	\$12,377,000.00	\$20,593,000.00	\$32,970,000.00
250.00	0.0040	\$13,097,000.00	\$21,791,000.00	\$34,888,000.00
500.00	0.0020	\$15,024,000.00	\$24,997,000.00	\$40,021,000.00
1000.00	0.0010	\$20,292,000.00	\$33,763,000.00	\$54,055,000.00

### Exceedance Probability - Damage Function, RL-3

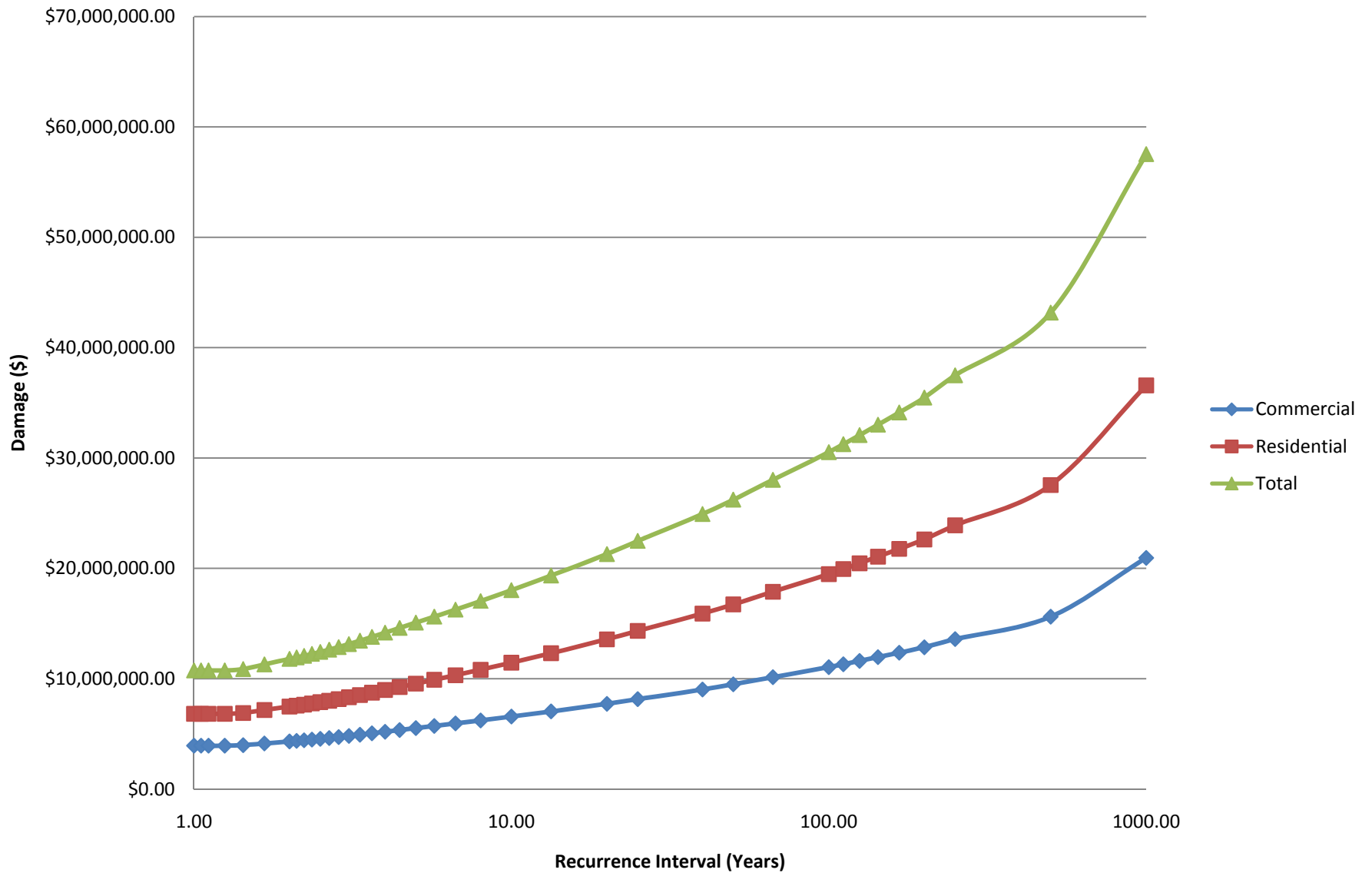




Delaware River Basin - Repaupo Levee  
 Exceedance Probability - Damage Functions  
 for Repaupo Levee Area (Summed)  
 Without Project Condition

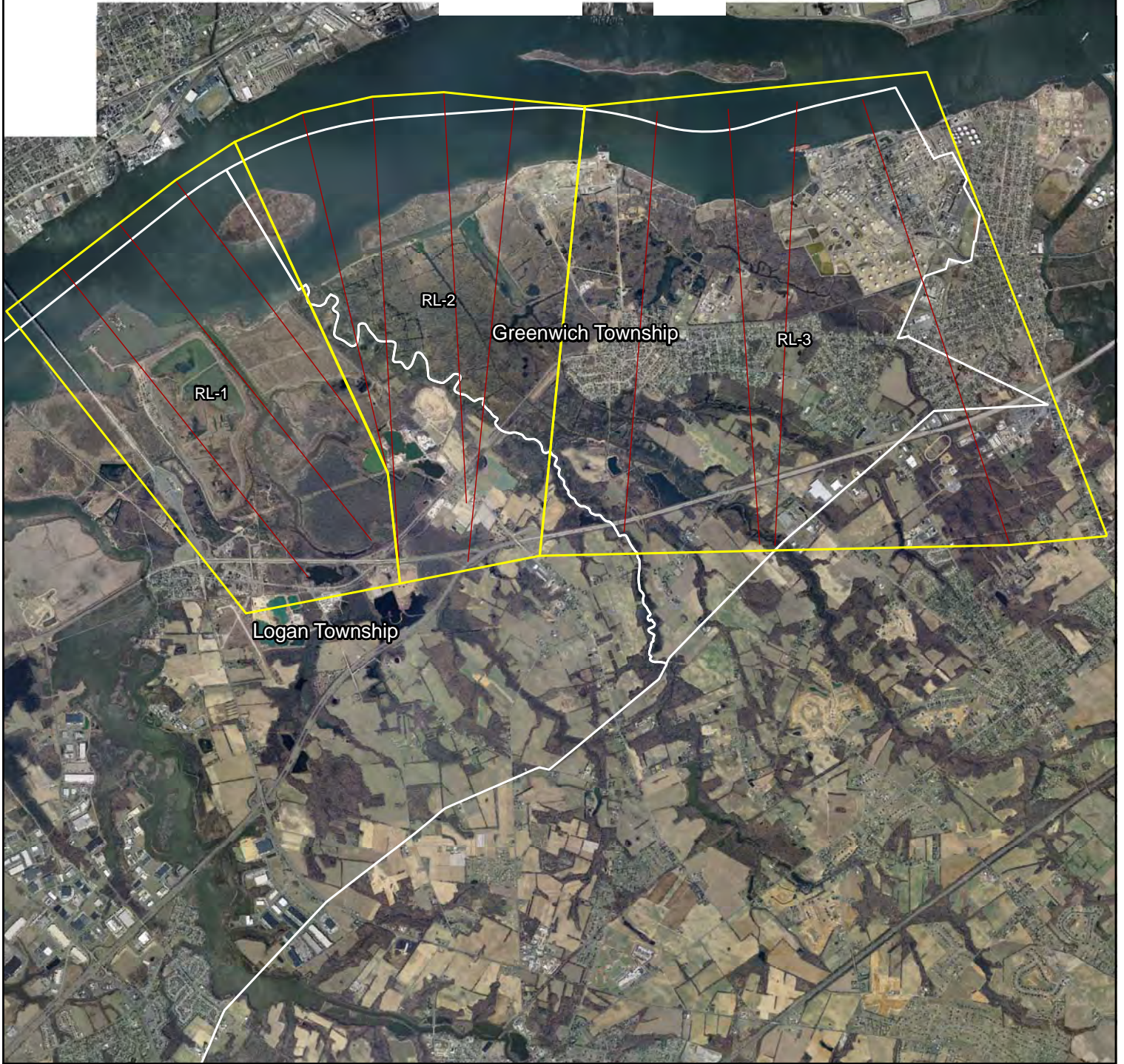
Recurrence Interval (Years)	Exceedance Probability	Damage by Damage Categories		Total Damage
		Commercial	Residential	
1.00	0.9900	\$3,927,000.00	\$6,819,000.00	\$10,746,000.00
1.05	0.9500	\$3,927,000.00	\$6,819,000.00	\$10,746,000.00
1.11	0.9000	\$3,927,000.00	\$6,819,000.00	\$10,746,000.00
1.25	0.8000	\$3,927,000.00	\$6,819,000.00	\$10,746,000.00
1.43	0.7000	\$3,972,000.00	\$6,895,000.00	\$10,867,000.00
1.67	0.6000	\$4,131,000.00	\$7,166,000.00	\$11,297,000.00
2.00	0.5000	\$4,313,000.00	\$7,479,000.00	\$11,792,000.00
2.11	0.4750	\$4,363,000.00	\$7,563,000.00	\$11,926,000.00
2.22	0.4500	\$4,415,000.00	\$7,652,000.00	\$12,067,000.00
2.35	0.4250	\$4,481,000.00	\$7,764,000.00	\$12,245,000.00
2.50	0.4000	\$4,548,000.00	\$7,878,000.00	\$12,426,000.00
2.67	0.3750	\$4,621,000.00	\$8,003,000.00	\$12,624,000.00
2.86	0.3500	\$4,708,000.00	\$8,151,000.00	\$12,859,000.00
3.08	0.3250	\$4,808,000.00	\$8,323,000.00	\$13,131,000.00
3.33	0.3000	\$4,923,000.00	\$8,519,000.00	\$13,442,000.00
3.64	0.2750	\$5,049,000.00	\$8,734,000.00	\$13,783,000.00
4.00	0.2500	\$5,192,000.00	\$8,980,000.00	\$14,172,000.00
4.44	0.2250	\$5,348,000.00	\$9,251,000.00	\$14,599,000.00
5.00	0.2000	\$5,522,000.00	\$9,558,000.00	\$15,080,000.00
5.71	0.1750	\$5,717,000.00	\$9,906,000.00	\$15,623,000.00
6.67	0.1500	\$5,944,000.00	\$10,314,000.00	\$16,258,000.00
8.00	0.1250	\$6,216,000.00	\$10,809,000.00	\$17,025,000.00
10.00	0.1000	\$6,568,000.00	\$11,453,000.00	\$18,021,000.00
13.33	0.0750	\$7,035,000.00	\$12,313,000.00	\$19,348,000.00
20.00	0.0500	\$7,722,000.00	\$13,569,000.00	\$21,291,000.00
25.00	0.0400	\$8,148,000.00	\$14,336,000.00	\$22,484,000.00
40.00	0.0250	\$9,018,000.00	\$15,900,000.00	\$24,918,000.00
50.00	0.0200	\$9,488,000.00	\$16,736,000.00	\$26,224,000.00
66.67	0.0150	\$10,138,000.00	\$17,880,000.00	\$28,018,000.00
100.00	0.0100	\$11,046,000.00	\$19,479,000.00	\$30,525,000.00
111.11	0.0090	\$11,310,000.00	\$19,941,000.00	\$31,251,000.00
125.00	0.0080	\$11,609,000.00	\$20,461,000.00	\$32,070,000.00
142.86	0.0070	\$11,953,000.00	\$21,063,000.00	\$33,016,000.00
166.67	0.0060	\$12,358,000.00	\$21,767,000.00	\$34,125,000.00
200.00	0.0050	\$12,850,000.00	\$22,623,000.00	\$35,473,000.00
250.00	0.0040	\$13,589,000.00	\$23,901,000.00	\$37,490,000.00
500.00	0.0020	\$15,620,000.00	\$27,549,000.00	\$43,169,000.00
1000.00	0.0010	\$20,951,000.00	\$36,583,000.00	\$57,534,000.00

## Exceedance Probability - Damage Function, Repaupo Levee Area (Summed)



Repaupo Levee Area  
RL-1 through RL-3




785 Residential  
57 Commercial



### Delaware River Basin, Repaupo Levee Study Logan and Greenwich Townships



#### Legend

-  Damage Reaches
-  Municipalities
-  Cross Section

