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HAZARD FREQUENCY TABLE

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Hurricane Surge - Cat 1	0	52	0	0	0	0.00	0.00	0	0	0
Hurricane Surge - Cat 2	0	52	0	0	0	0.00	0.00	0	0	0
Hurricane Surge - Cat 3	0	52	0	0	0	0.00	0.00	0	0	0
Hurricane Surge - Cat 4	0	52	0	0	0	0.00	0.00	0	0	0
Hurricane Surge - Cat 5	0	52	0	0	0	0.00	0.00	0	0	0
Hurricane Wind	1	52	1	1	1	52.00	0.02	0.1	0.05	0.02
Floods	3	52	3	3	3	17.33	0.06	0.3	0.15	0.06
Wildfire	0	52	0	0	0	0.00	0.00	0	0	0
Earthquake	0	52	0	0	0	0.00	0.00	0	0	0
Tornado	16	52	5	7	16	3.25	0.31	0.5	0.35	0.32
Thunderstorm Wind	68	52	18	46	68	0.76	1.31	1.8	2.3	1.36
Hail	30	52	20	27	30	1.73	0.58	2	1.35	0.6
Drought	1	52	1	1	1	52.00	0.02	0.1	0.05	0.02
Extreme Heat	0	52	0	0	0	0.00	0.00	0	0	0
Snow & Ice	0	52	0	0	0	0.00	0.00	0	0	0
Landslide	0	52	0	0	0	0.00	0.00	0	0	0
Dam Failure	0	52	0	0	0	0.00	0.00	0	0	0
						#DIV/0!	#DIV/0!	0	0	0
HazMat Release (fixed)	0	52	0	0	0	0.00	0.00	0	0	0
HazMat Release (trans)	0	52	0	0	0	0.00	0.00	0	0	0
Radiological Release	0	52	0	0	0	0.00	0.00	0	0	0

**NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval. For example: If there have been 20 HazMat Releases in the County in the past 5 years, statistically you could expect that there will be 4 releases a year.**

Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuracy has been much better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events which will include periodic updates to this table.

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

