

Manawatu-Wanganui CDEM Group – Hazard Analysis – SMUG – Difficulty/Effort approach

15 Feb 2006

Hazard	Risk level	Seriousness							Manageability							U		G		Total	Rank	
		H	E	S	I	G	Ave	Weight X6	Management Difficulty			Current Effort			Rating							Weighting x4
									H	M	L	H	M	L			=	W	=			W
Earthquake	E	5	5	4	5	4	4.6	27.6		M			M		3	12	3	3	2	3	45.6	1
Tsunami – local generated	E	4	3	3	4	4	3.6	21.6	H				M		4	16	3	3	3	3	43.6	2
Human epidemic	E	4	5	4	3	1	3.4	20.4	H			H			3	12	3	3	4	3	38.4	3
Ruapehu	E	3	2	3	3	2	2.6	15.6		M				L	4	16	4	4	2	2	37.6	4
Sea level rise	H	1	1	1	2	3	1.6	9.6	H				M		4	16	5	5	4	5	35.6	5
Taranaki Zone	H	2	2	3	3	2	2.4	14.4		M				L	4	16	2	2	2	2	34.4	6
Beach erosion and flooding	H	1	1	1	2	3	1.6	9.6	H				M		4	16	4	4	4	4	33.6	7
Flooding	E	2	4	3	3	2	2.8	16.8		M		H			2	8	4	4	4	4	32.8	8
Agricultural Drought	H	2	3	3	1	1	2	12		M			M		3	12	4	4	2	4	32	9
Cyclone	E	3	2	3	3	1	2.4	14.4	H			H			3	12	2	2	2	2	30.4	10
Animal Disease/epidemic	E	1	4	3	1	1	2	12		M				M	3	12	3	3	2	2	29	11
Hazardous substances	H	2	1	1	1	1	1.2	7.2			L	H			1	4	5	5	3	5	21.2	12
Terrorism	H	3	1	3	3	1	2.2	13.2			L	H			1	4	1	1	2	2	20.2	13
Lifelines – Telecommunications	H	2	2	2	1	1	1.6	9.6			L	H			1	4	3	3	3	3	19.6	=14
Lifelines – Electricity	E	2	2	2	1	1	1.6	9.6			L	H			1	4	3	3	3	3	19.6	=14
Lahar	H	1	1	1	1	1	1	6			L	H			1	4	4	4	2	2	16	16