

						and on Camiguin. Felt (II RF) at Cagayan de Oro, Mindanao; Cebu, Cebu Island and Duero, Bohol. Felt (I RF) at Dipolog, Mindanao. Also felt strongly at Tacloban, Leyte.						
Aug 26	3.55S	145.83E	10	6.3		Near N coast of New Guinea, PNG.	Sep 20	23.78N	121.27E	33	6.0	Taiwan.
Aug 26	3.25S	145.53E	33	6.2		Near N coast of New Guinea, PNG.	Sep 20	23.59N	121.33E	33	6.3	Taiwan.
Aug 28	1.36S	77.56W	189	6.3		Ecuador.	Sep 20	23.70N	121.20E	33	6.1	Taiwan.
Sep 07	38.1N	23.66E	15	6.0		Greece. At least 122 people killed, 20 missing, more than 1,600 injured, 50,000 homeless and over 18,700 buildings damaged or destroyed in the Athens area. Felt in much of central Greece and as far as Izmir, Turkey.	Sep 20	23.73N	121.26E	33	6.2	Taiwan.
Sep 15	20.9S	67.28W	215	6.4		Southern Bolivia. Felt (II) at Arequipa, Peru. Felt at Tarija. Also felt at Antofagasta, Chile.	Sep 20	23.35N	121.09E	33	6.5	Taiwan.
Sep 17	13.74S	167.16E	197	6.3		Vanuatu Islands.	Sep 21	23.77N	121.20E	33	6.4	Taiwan. Additional damage and landslides (VI JMA) in the epicentral area. Felt (V JMA) at Hua-lien and Tai-chung; (IV JMA) at Chia-i; (III JMA) at I-lan, Kao-hsiung, Taipei and Tai-tung. Felt in much of Taiwan. Also felt (IV JMA) on Peng-hu Tao; (III JMA) on Lan Yu; (I JMA) on Iriomote-shima, Ishigaki-shima and Yonaguni, Ryukyu Islands.
Sep 18	51.18N	157.59E	61	6.2		Near east coast of Kamchatka.	Sep 21	23.67N	121.16E	33	6.0	Taiwan. Felt (V JMA) in the epicentral area; (IV JMA) at Chia-i, Hua-lien and Tai-chung; (III JMA) at I-lan; (II JMA) at Taipei and Tai-tung. Felt in much of Taiwan. Also felt (III JMA) on Peng-hu Tao and (I JMA) on Lan Yu.
Sep 20	23.73N	121.06E	33	7.7		Taiwan. At least 2,146 people killed, 8,139 injured, 311 trapped, 68 missing and 6,243 houses destroyed; damage to roads and utilities disrupted on Taiwan. Most of the casualties and damage occurred in Nantou and Tai-chung Counties. Landslides blocked a river in Yunlin County. Felt as far as Hong Kong and Quanzhou, China.						

#### SIGNIFICANT NEW ZEALAND EARTHQUAKES. July-September 1999.

The locations of these earthquakes are preliminary as final analyses have not been completed.

Lat.	Long.	Depth (km)	Mag.		
Jul 08	40.9S	174.72E	67	4.2	24 km west of Paraparaumu. Felt from Wanganui to Wellington.

Jul 18	42.1S	173.98E	15	4.8	<b>50 km south of Seddon.</b> Felt at Ward MM3.	Sep 14	42.98S	171.66E	12	4.9	<b>45 km NNW of Springfield.</b> Felt in Christchurch.
Jul 22	40.8S	174.59E	45	4.2	<b>41 km west of Waikanae.</b> Felt from Kapiti coast to Wellington.	Sep 17	41.94S	172.83E	71	4.5	<b>64 km north of Hanmer Springs.</b> Felt at Dovedale.
Aug 05	40.5S	173.92E	106	4.8	<b>20 km north of D'Urville Island.</b> Felt from Taranaki to Wellington.	Sep 21	40.66S	174.87E	41	4.3	<b>27 km WNW of Otaki.</b> Felt on the Kapiti coast, Wellington and Foxton.
Aug 05	44.6S	167.25E	33	5.1	<b>93 km north-north-west of Te Anau.</b> Felt at Glenorchy.	Sep 25	43.40S	170.86E	12	4.1	<b>34 km south of Ross.</b>
Aug 15	38.8S	174.17E	5	4.3	<b>30 km north-north-east of New Plymouth.</b> Felt at Uruti.	Sep 25	43.17S	170.93E	5	4.0	<b>29 km east of Harihari.</b>
Aug 17	42.1S	173.79E	11	4.6	<b>38 km north-north-east of Kaikoura.</b>	Sep 30	39.10S	177.40E	33		<b>6 km SSW of Wairoa</b> Felt in Whakatane.
Aug 18	37.1S	177.07E	146	5.6	<b>112 km north-east of Whakatane.</b> Felt from Whakatane to Wellington, goods knocked off shelves in Opotiki.						
Aug 18	39.7S	174.39E	232	5.0	<b>7 km west-north-west of Patea.</b> Felt in Marton, Levin and Wellington.						
Aug 20	41.4S	175.00E	25	4.5	<b>25 km south-east of Wellington.</b> Felt in Wellington.						
Aug 22	37.9S	176.71E	321	5.2	<b>17 km north-west of Edgecumbe.</b>						
Aug 26	36.5S	177.13E	12	5.4	<b>134 km east-north-east of Whitianga.</b> Felt on Great Barrier Island, in Auckland and Coromandel.						
Sep 03	39.87S	177.15E	33	4.1	<b>32 km SE of Havelock North.</b> Felt in Napier and Hastings.						
Sep 09	42.55S	172.87E	33	4.2	<b>4 km south-east of Hanmer Springs.</b>						
Sep 10	41.73S	174.28E	16	4.5	<b>20 km ESE of Seddon.</b> Felt in Blenheim.						