



Australian Earthquakes 2013

This document provides an overview of earthquakes experienced in Australia during 2013. Geoscience Australia's annual *Australian Seismological Report* will be released mid-year.

Across Australia

There were a total of 579 earthquakes recorded in Australia during 2013.

Table 1 Total Earthquakes in Australia in 2013 by state/territory

Jurisdiction	Number of recorded earthquakes
Western Australia	332
Northern Territory	13
South Australia	88
Queensland	7
New South Wales	94
Victoria	30
Tasmania	15
Australian Capital Territory	0
Total Australian Earthquakes 2013	579

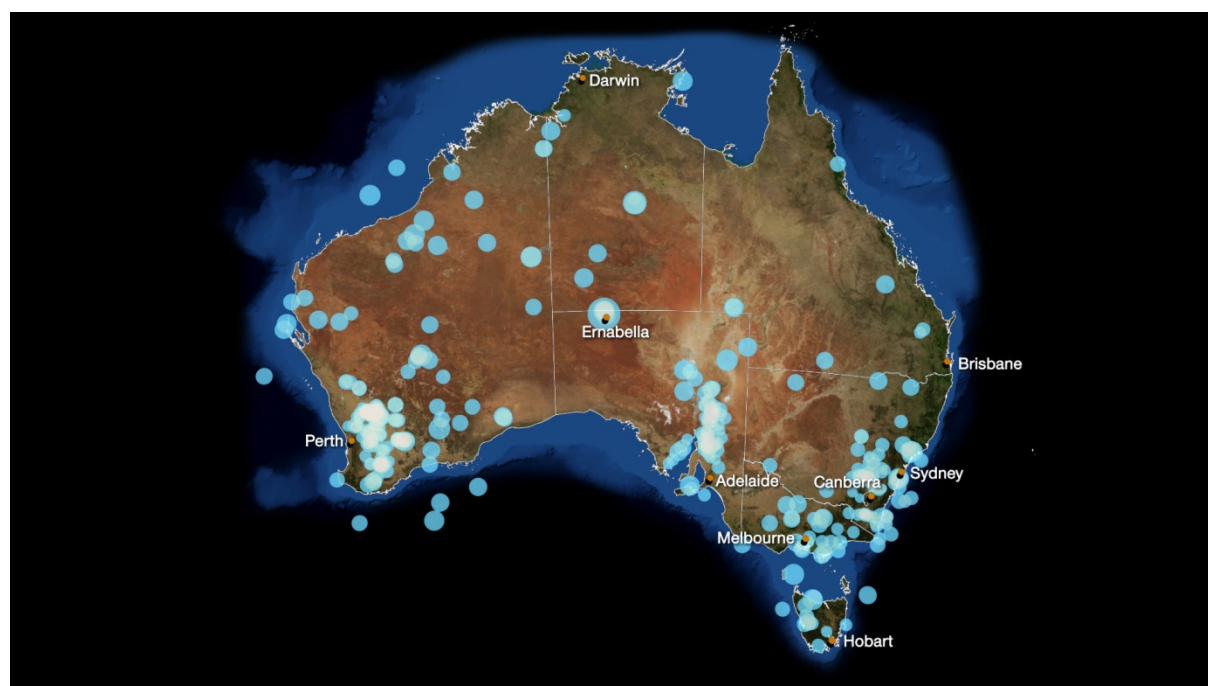


Figure 1 Map of 2013 Australian Earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

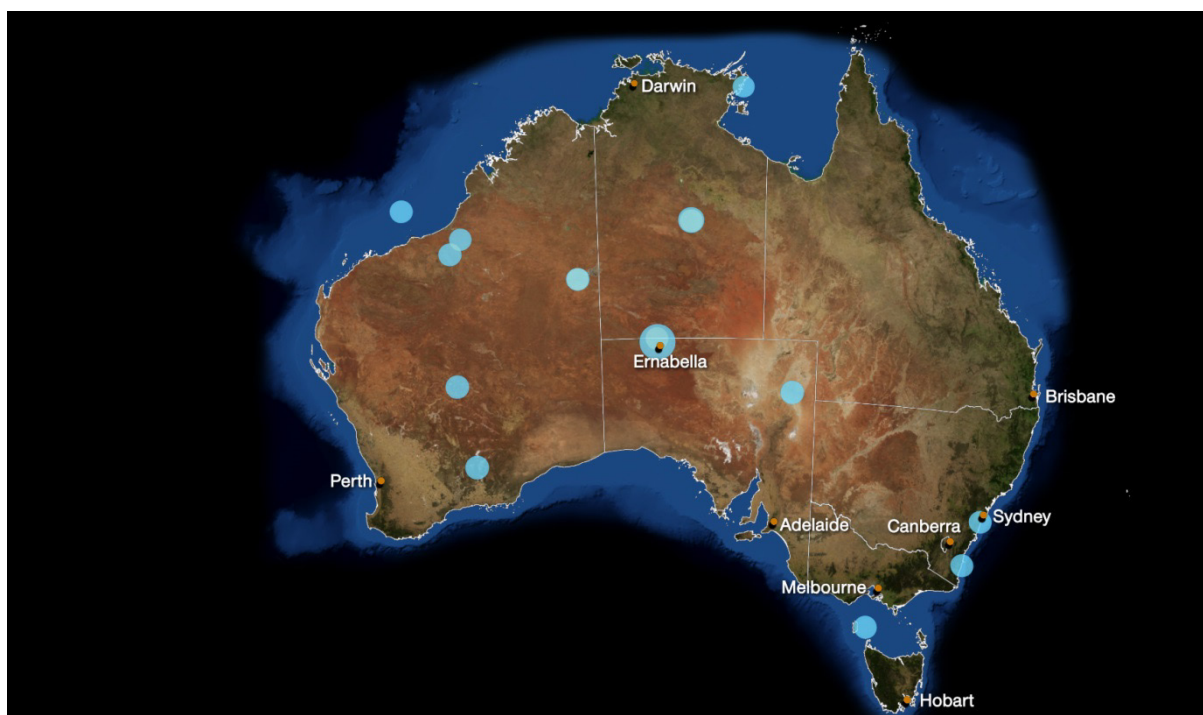


Figure 2 Map of top 16 Australian Earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 2 Top 16 Australian Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
5.7	9/06/2013	14:22:15	-26.11	131.99	0	Near Ernabella, SA
4.2	18/07/2013	11:39:11	-19.82	133.89	10	Tennant Creek, NT
3.7	30/11/2013	5:49:23	-28.57	139.54	11	SE of Mungeranie Homestead, SA
3.7	30/10/2013	22:25:38	-27.79	120.75	0	Near Leinster, WA
3.7	30/09/2013	21:14:03	-31.90	121.50	12	Near Norseman, WA
3.7	13/09/2013	11:58:52	-20.99	120.93	2	Pilbara, WA
3.7	11/03/2013	10:32:34	-19.86	133.89	13	SW of Tennant Creek, NT
3.7	18/01/2013	15:35:44	-18.49	118.56	5	SW of Broome, WA
3.6	12/06/2013	13:30:39	-22.75	127.74	0	Lake Mackay, WA
3.6	9/06/2013	5:38:43	-25.92	131.97	0	Near Mulga Park, NT
3.6	5/06/2013	13:17:52	-20.26	121.55	0	Great Sandy Desert, WA
3.6	15/03/2013	4:40:02	-22.76	127.69	10	W of Lake Mackay, WA
3.6	13/02/2013	16:49:40	-12.80	136.59	10	Near Gove, NT
3.5	3/11/2013	2:51:57	-36.37	149.94	2	Cobargo, NSW
3.5	7/10/2013	20:15:41	-34.17	150.76	0	Appin, NSW
3.5	15/07/2013	4:19:14	-39.75	144.43	10	Offshore King Island, Bass Strait, Tas.

Top Australian Earthquakes by State/Territory

Western Australia

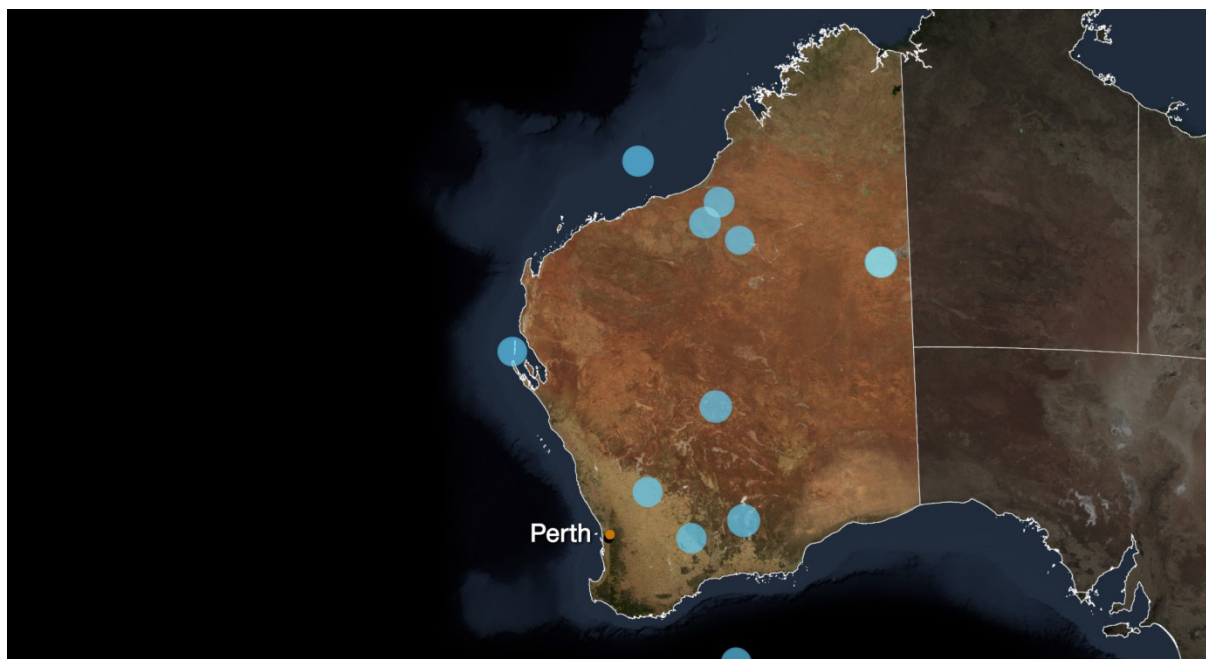


Figure 3 Map of top 12 Western Australia earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 3 Top 12 Western Australia Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
3.7	18/01/2013	15:35:44	-18.49	118.56	5	SW of Broome, WA
3.7	30/10/2013	22:25:38	-27.79	120.75	0	Near Leinster, WA
3.7	13/09/2013	11:58:52	-20.99	120.93	2	Pilbara, WA
3.7	30/09/2013	21:14:03	-31.90	121.50	12	Near Norseman, WA
3.6	5/06/2013	13:17:52	-20.26	121.55	0	Great Sandy Desert, WA
3.6	15/03/2013	4:40:02	-22.76	127.69	10	W of Lake Mackay, WA
3.6	12/06/2013	13:30:39	-22.75	127.74	0	Lake Mackay, WA
3.4	15/01/2013	7:11:07	-25.04	112.86	0	Offshore, W of Carnarvon, WA
3.4	4/10/2013	20:03:00	-30.62	117.66	0	NE of Koorda, WA
3.4	3/03/2013	21:36:12	-32.38	119.28	1	NE of Hyden, WA
3.4	2/05/2013	17:27:35	-36.75	120.70	10	Offshore SE of Albany, WA
3.4	8/03/2013	21:59:20	-21.74	122.23	10	SE of Marble Bar, WA

Northern Territory

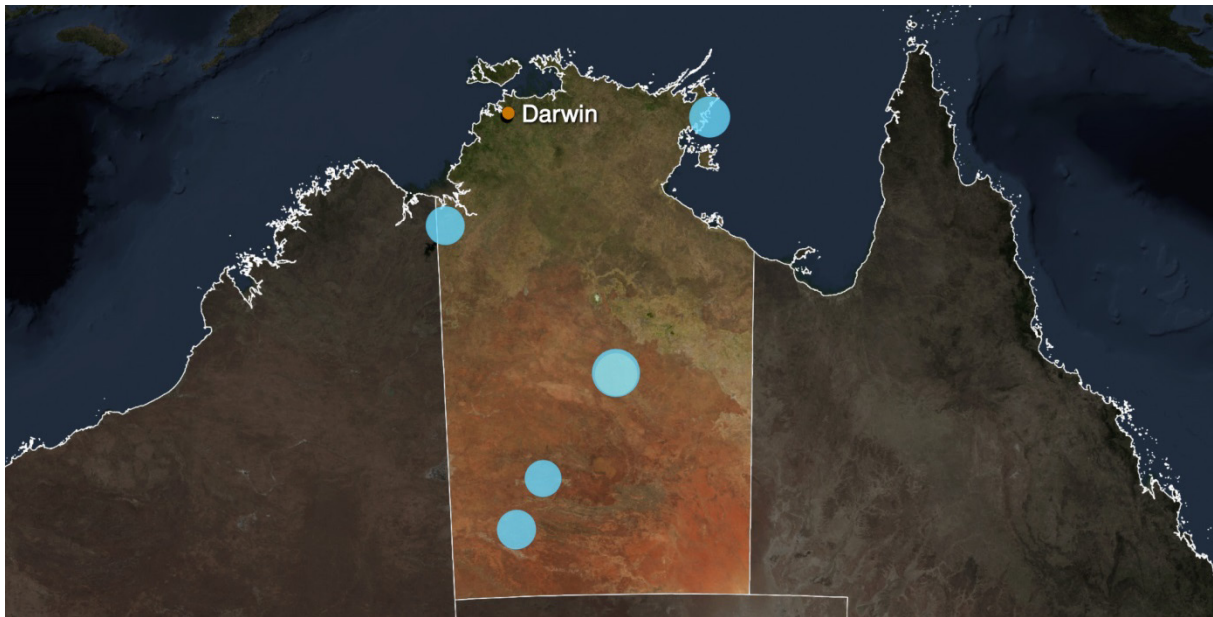


Figure 4 Map of top 10 Northern Territory earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 4 Top 10 Northern Territory Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
4.2	18/07/2013	11:39:11	-19.82	133.89	10	Tennant Creek, NT
3.7	11/03/2013	10:32:34	-19.86	133.89	13	SW of Tennant Creek, NT
3.6	13/02/2013	16:49:40	-12.80	136.59	10	Near Gove, NT
3.6	9/06/2013	5:38:43	-25.92	131.97	0	Near Mulga Park, NT
3.4	28/09/2013	4:00:32	-15.61	129.12	0	NE of Kununurra, NT
3.4	14/10/2013	15:54:33	-24.05	130.83	0	SE of Lake Mackay, NT
3.3	9/06/2013	14:34:41	-25.91	132.05	0	Near Mulga Park, NT
3.3	9/06/2013	15:54:33	-25.97	132.04	0	Near Mulga Park, NT
3.2	13/07/2013	10:19:02	-25.89	132	0	Near Mulga Park, NT
3.2	29/07/2013	5:21:51	-22.68	131.67	0	SW of Yuendumu, NT

South Australia

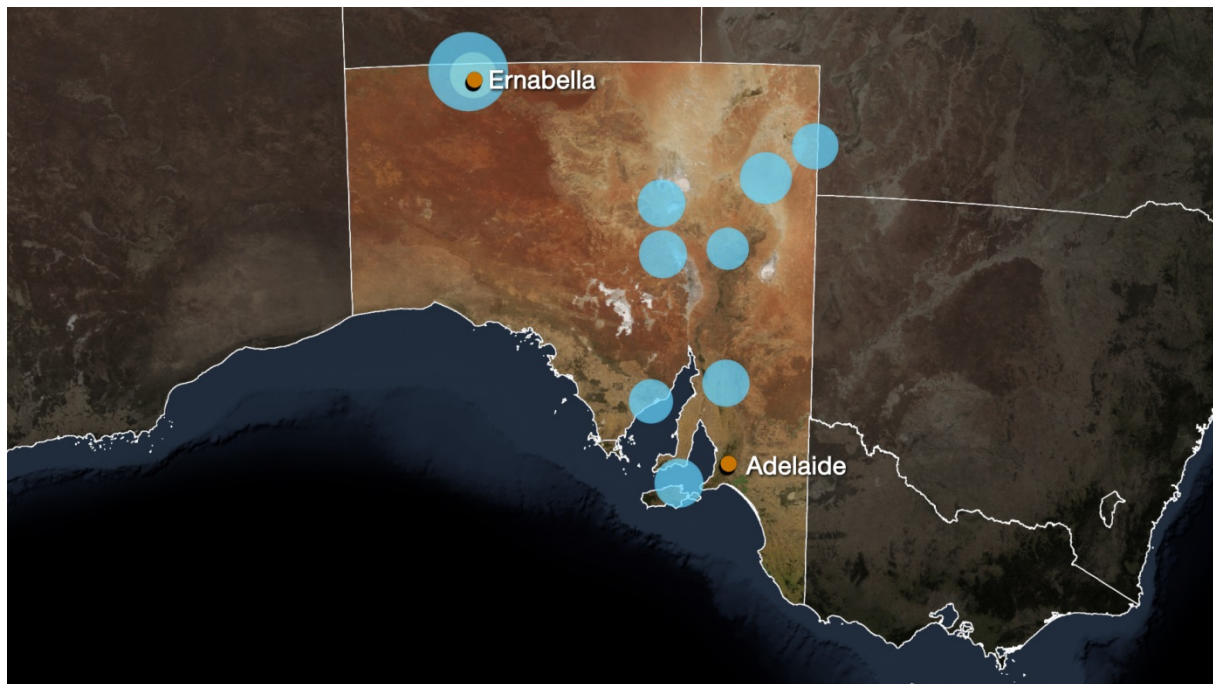


Figure 5 Map of top 10 South Australian earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 5 Top 10 South Australian Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
5.7	9/06/2013	14:22:15	-26.11	131.99	0	Near Ernabella, SA
3.7	30/11/2013	5:49:23	-28.57	139.54	11	SE of Mungeranie Homestead, SA
3.4	20/06/2013	3:54:33	-29.19	136.88	10	Near Lake Eyre, SA
3.4	1/05/2013	19:41:58	-30.36	136.93	0	Near Olympic Dam, SA
3.4	20/02/2013	9:57:19	-35.43	137.38	5	Near Kangaroo Island, SA
3.3	7/05/2013	21:48:15	-26.19	132.11	4	Near Ernabella, SA
3.3	26/02/2013	12:53:16	-27.80	140.79	10	Near Innamincka, SA
3.3	5/01/2013	0:22:30	-33.22	138.60	15	Jamestown, SA
3.1	14/08/2013	11:39:22	-33.65	136.63	12	NE of Cleve, SA
3.0	26/10/2013	10:32:13	-30.21	138.59	6	NE of Leigh Creek, SA

Queensland

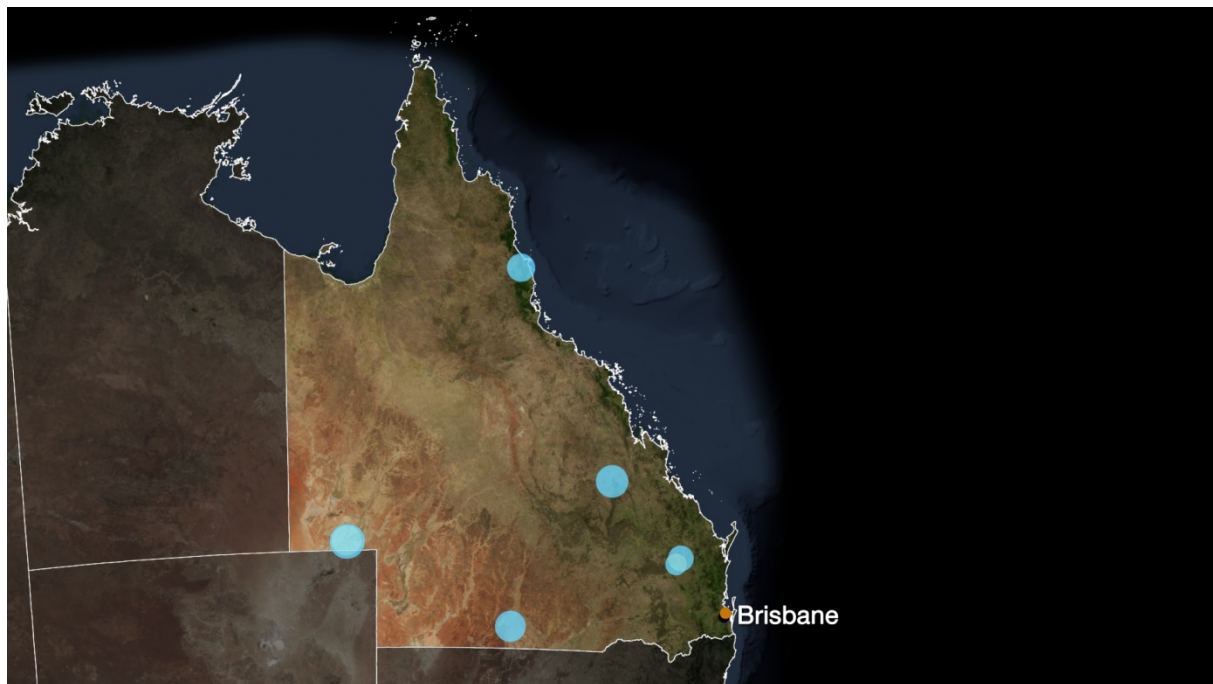


Figure 6 Map of top 7 Queensland earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 6 Top 7 Queensland Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
3.4	27/12/2013	13:33:50	-25.63	139.86	10	NE of Birdsville, Qld
3.2	1/06/2013	5:58:56	-23.65	148.85	3	Near Blackwater, Qld
3.0	27/11/2013	9:24:51	-28.23	145.55	15	Near Cunnamulla, Qld
2.9	12/12/2013	17:24:54	-25.60	139.84	6	NE of Birdsville, Qld
2.8	1/12/2013	9:51:23	-17.09	145.55	0	SW of Cairns, Qld
2.5	22/05/2013	15:48:58	-25.89	151.35	6	S of Mundubbera, Qld
2.1	1/11/2013	8:18:28	-26.09	151.19	0	NW of Covert, Qld

New South Wales

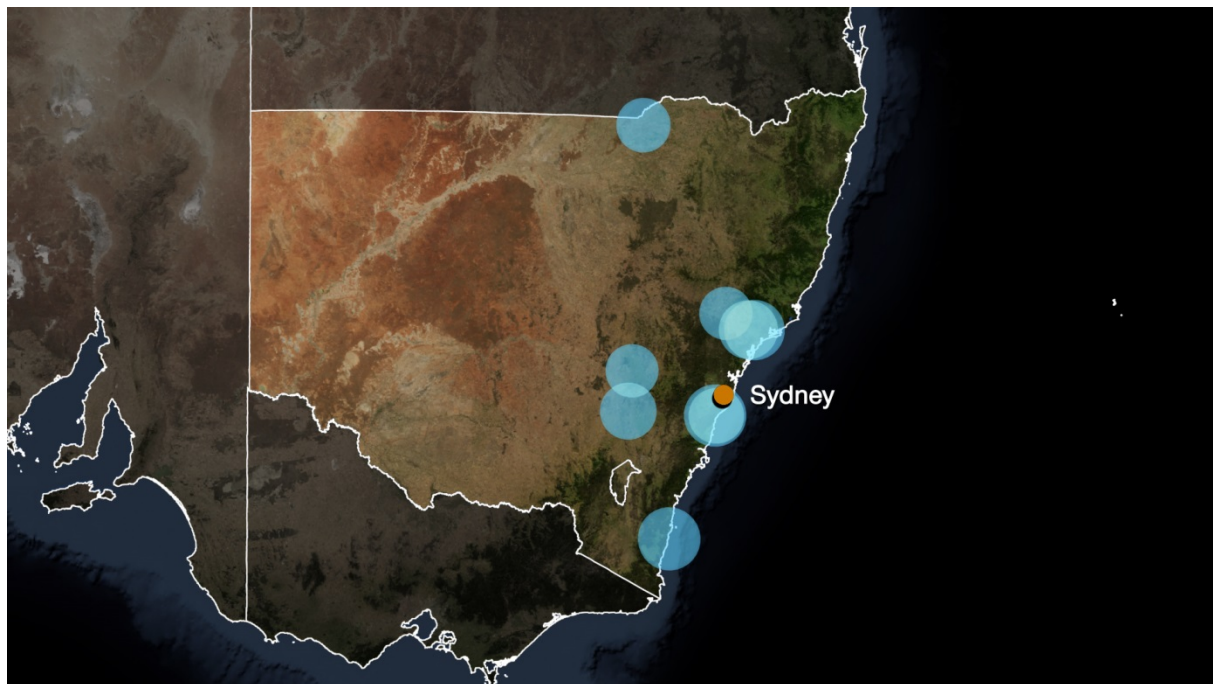


Figure 7 Map of top 9 New South Wales earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 7 Top 9 New South Wales Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
3.5	7/10/2013	20:15:41	-34.17	150.76	0	Appin, NSW
3.5	3/11/2013	2:51:57	-36.37	149.94	2	Cobargo, NSW
3.4	8/08/2013	23:23:33	-32.62	151.48	2	NW of Maitland, NSW
3.3	29/11/2013	2:11:17	-32.62	151.35	5	Near Singleton, NSW
3.2	12/01/2013	16:10:53	-34.19	148.92	9	Near Frogmore, NSW
3.1	3/06/2013	19:44:09	-29.05	148.94	5	Mungindi, NSW
3.1	24/10/2013	12:49:39	-34.18	150.79	8	Appin, NSW
3.0	18/02/2013	9:23:58	-33.47	148.95	0	SW of Orange, NSW
3.0	21/07/2013	8:48:53	-32.35	150.86	0	Near Muswellbrook, NSW

Victoria

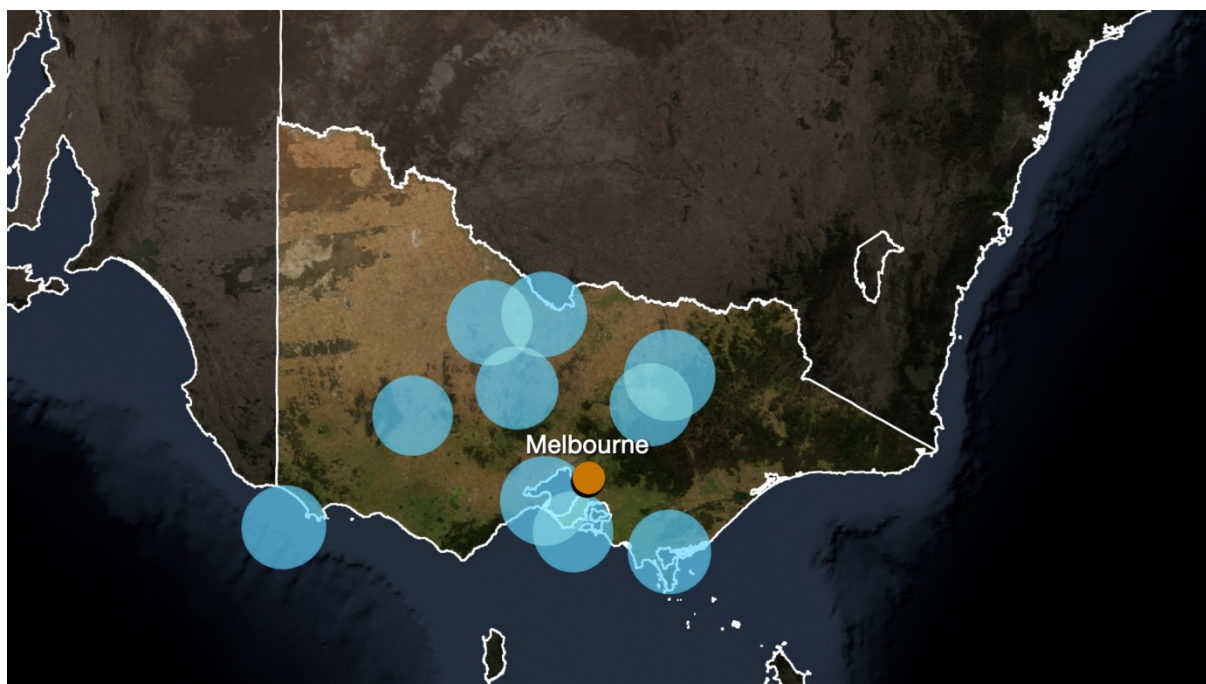


Figure 8 Map of top 10 Victorian earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 8 Top 10 Victorian Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
3.2	22/06/2013	11:57:48	-36.73	146.15	11	N of Mansfield, Vic.
3.1	1/05/2013	16:41:49	-38.11	144.48	10	Near Geelong, Vic.
3.0	22/12/2013	16:19:35	-36.19	143.69	0	Boort, Vic.
3.0	21/02/2013	13:36:47	-36.09	144.43	11	W of Echuca, Vic.
2.9	8/12/2013	6:47:30	-38.63	146.21	5	Foster, Vic.
2.9	25/03/2013	7:53:41	-38.40	140.92	10	Off Portland, Vic.
2.9	15/02/2013	12:32:28	-37.05	145.90	12	W of Mansfield, Vic.
2.9	9/06/2013	2:35:54	-36.90	144.08	3	Bradford Hills, Vic.
2.8	14/04/2013	22:20:30	-38.44	144.88	9	Near Rye, Vic.
2.8	30/03/2013	13:22:36	-37.21	142.67	11	NW of Ararat, Vic.

Tasmania

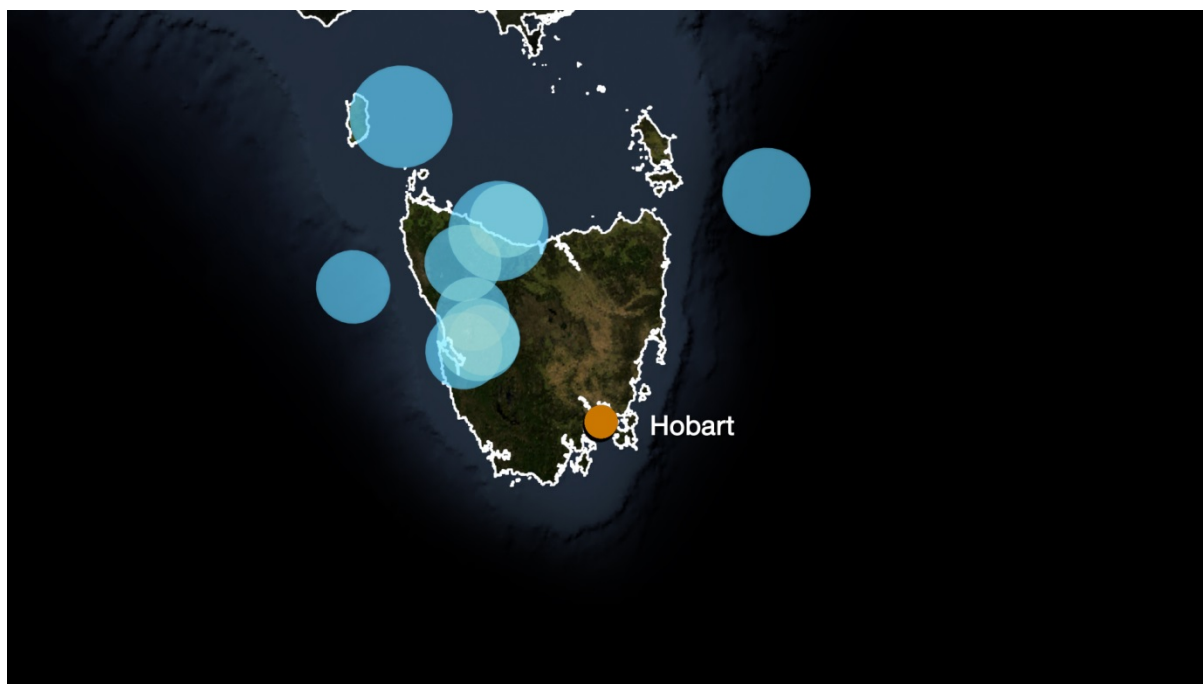


Figure 9 Map of top 10 Tasmanian earthquakes recorded by Geoscience Australia (circle size scales with magnitude).

Table 9 Top 10 Tasmanian Earthquakes 2013 (recorded by Geoscience Australia)

Magnitude	Date	Time (UTC)	Latitude	Longitude	Depth (Km)	Location
3.5	15/07/2013	4:19:14	-39.75	144.43	10	Offshore King Island, Bass Strait, Tas.
3.4	12/01/2013	20:21:16	-40.94	145.81	10	Offshore, NE of Wynyard, Tas.
3.0	6/09/2013	19:08:26	-40.41	149.48	0	Tasman Sea
2.8	5/04/2013	12:20:22	-42.08	145.58	0	Near Queenstown, Tas.
2.6	23/12/2013	13:40:57	-42.20	145.38	0	Near Strahan, Tas.
2.6	10/07/2013	2:57:26	-41.28	145.33	11	Near Lyons River, Tas.
2.5	14/12/2013	9:39:22	-41.81	145.49	0	Near Rosebery, Tas.
2.5	16/07/2013	4:55:38	-41.55	143.82	10	W of Kenneth Bay, Tas.
2.5	12/01/2013	23:27:44	-40.82	145.92	10	Offshore, NE of Wynyard, Tas.
2.4	25/06/2013	11:43:06	-42.08	145.66	0	Near Queenstown, Tas.

Australian Capital Territory

There were no earthquakes recorded by Geoscience Australia within the ACT during 2013.