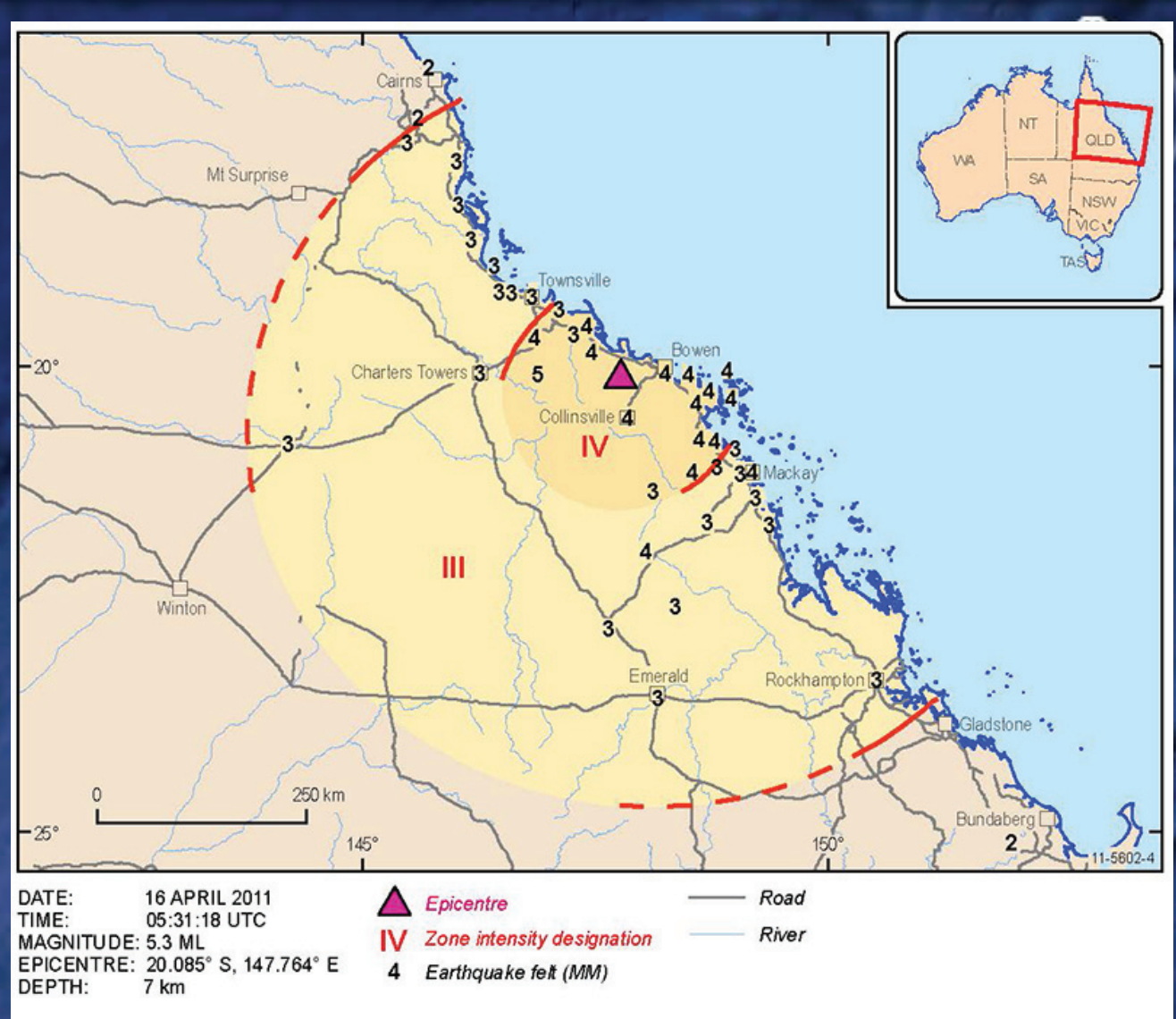
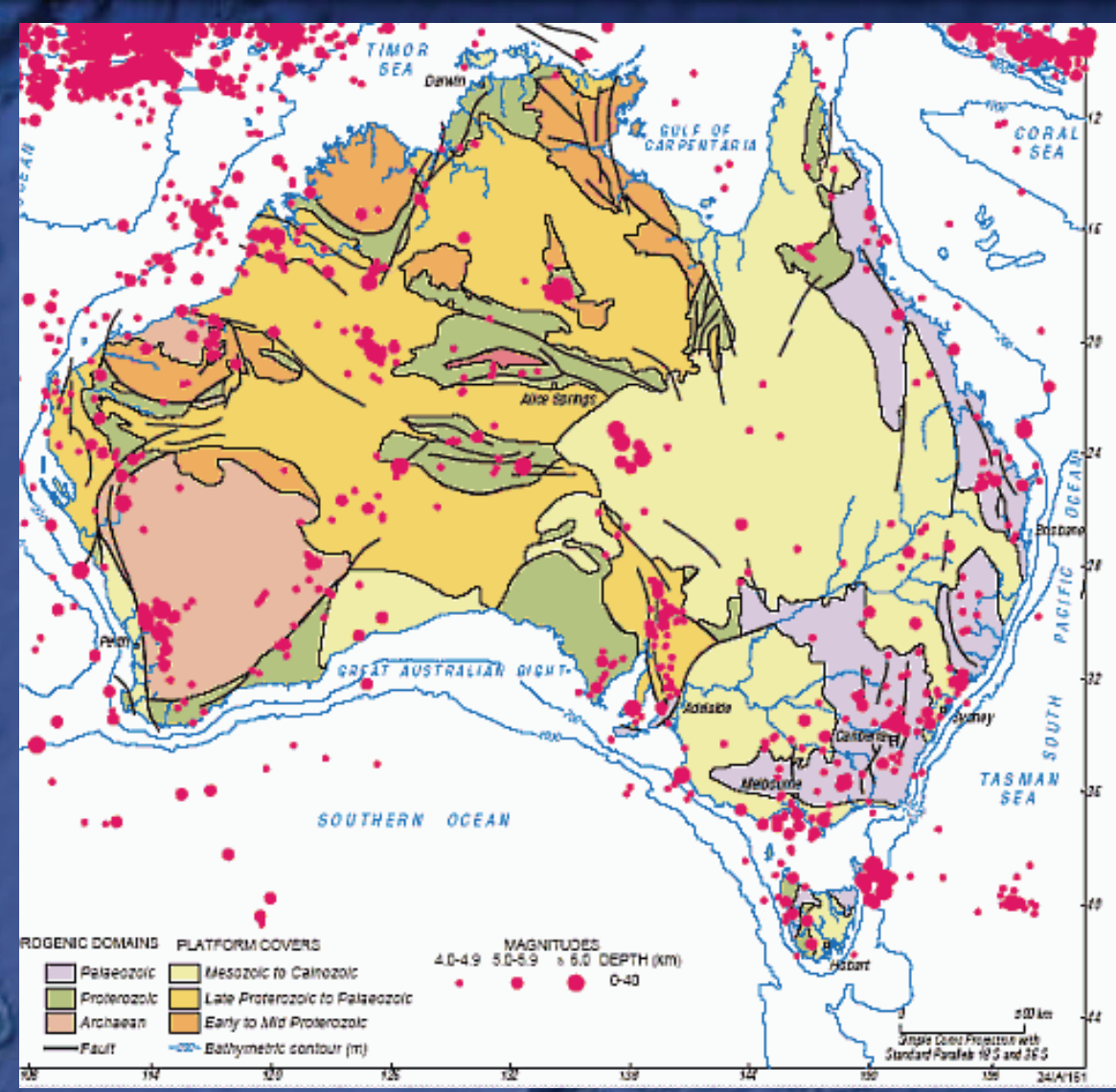
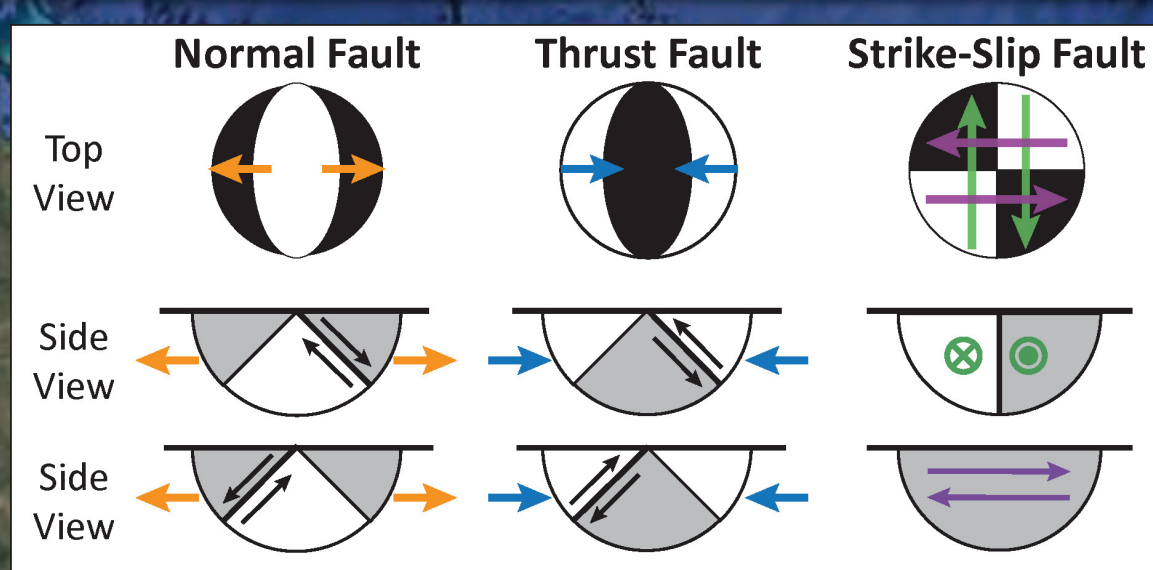
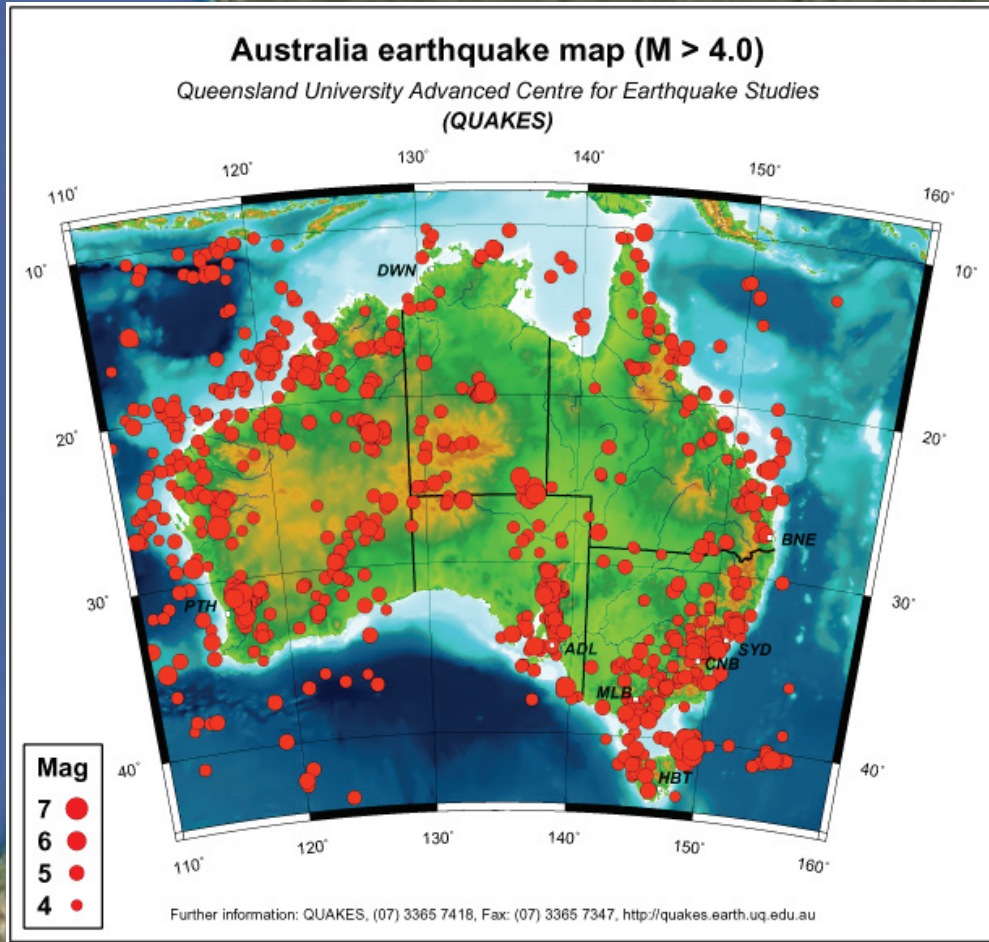


USGS ShakeMap									
Instrumental Intensity	I	II-III	IV	V	VI	VII	VIII	IX	X+
Potential Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Potential Damage	None	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy



Earthquake Shaking

M 5.7, QUEENSLAND, AUSTRALIA

Origin Time: Thu 2016-08-18 04:30:08 UTC (04:30:08 local)
Location: 19.86°S 148.73°E Depth: 7 km

Green Alert

USAID

ANSS

PAGER
Version 1

Created: 19 minutes, 27 seconds after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	--*	155k*	123k	19k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE									
Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat

Selected City Exposure

from GeoIntelligence.org

MMI City	Population
VI Bowen	11k
VI Red Hill	5k
V Home Hill	3k
V Ayr	9k
V Mackay	76k
V Walkerton	3k
IV Sarina	1k
IV Townsville	139k
IV Magnetic Island	2k

bold cities appear on map (k = x1000)

Historical Earthquakes (with MMI levels):

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

http://earthquake.usgs.gov/earthquakes/eventpage/us10006em9

<https://cooberpedyregionaltimes.files.wordpress.com/2008/09/quakefault.png?w=640>

Matthews et al., 2011

2016.08.18
M 5.7

<http://images.watoday.com.au/2010/09/06/1909100/420geoscience-earthquake-map.jpg>

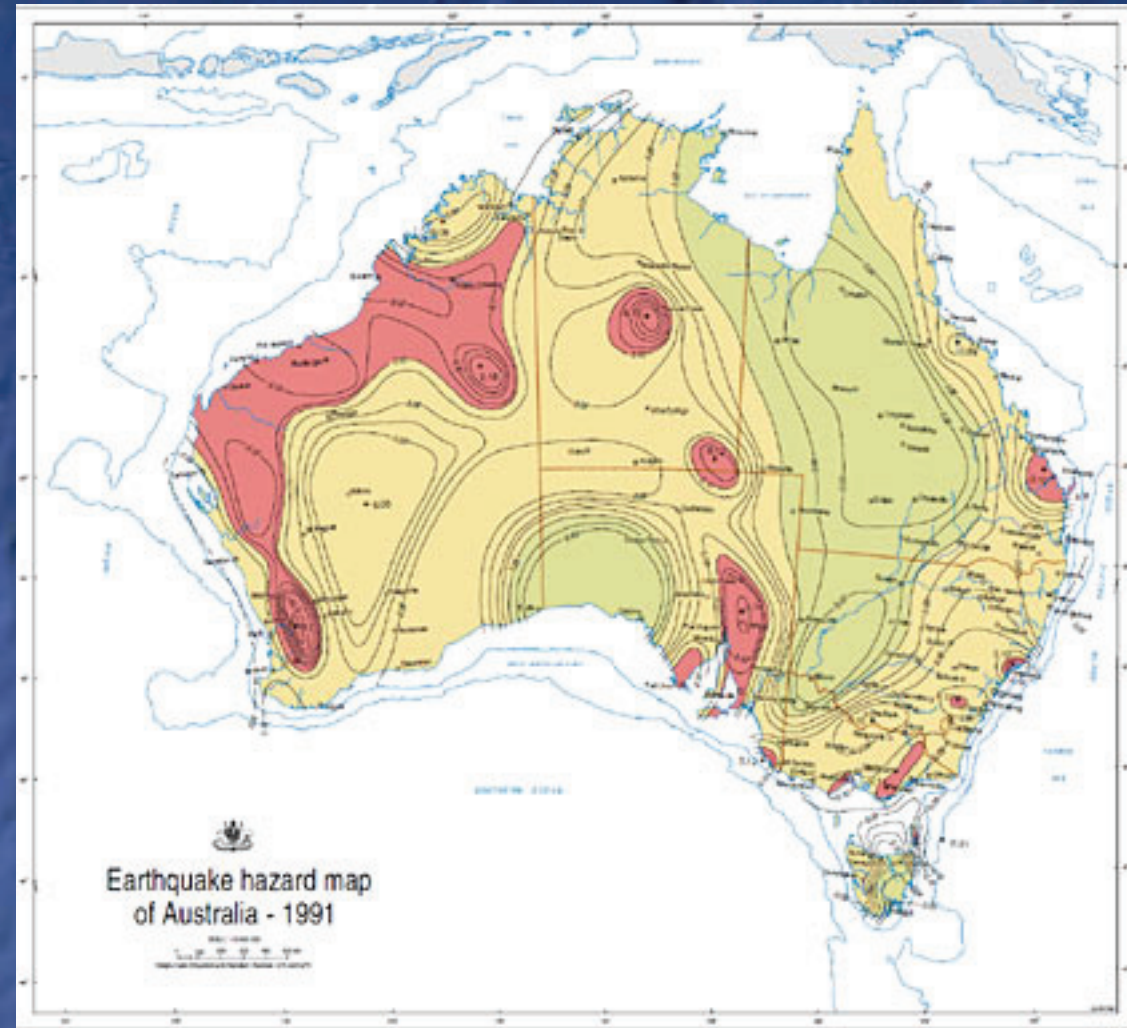
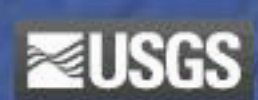


Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

200 km



Google™ earth