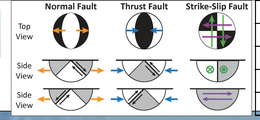
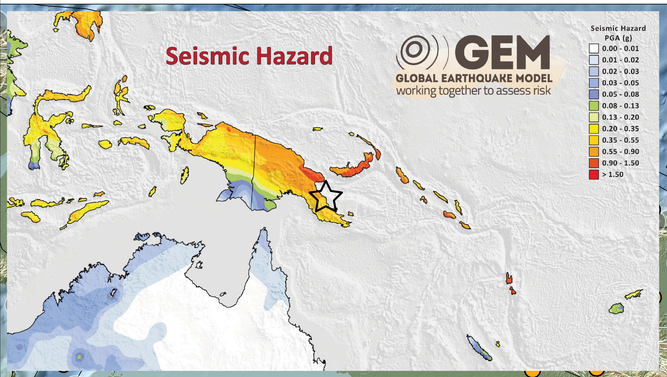
Earthquake Report: 2020.07.16

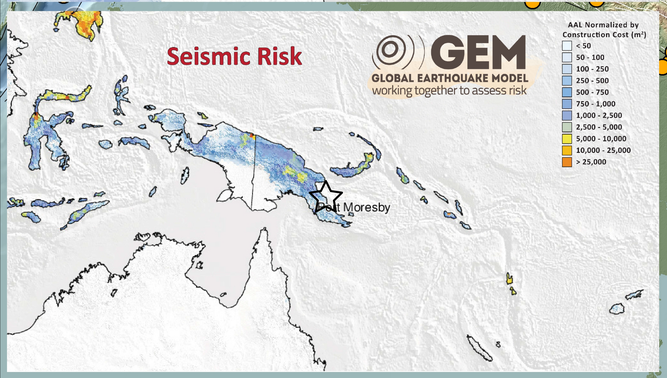
M 6.9 Papua New Guinea (& USGS Seismicity 1920-2020 M ≥ 6.5)

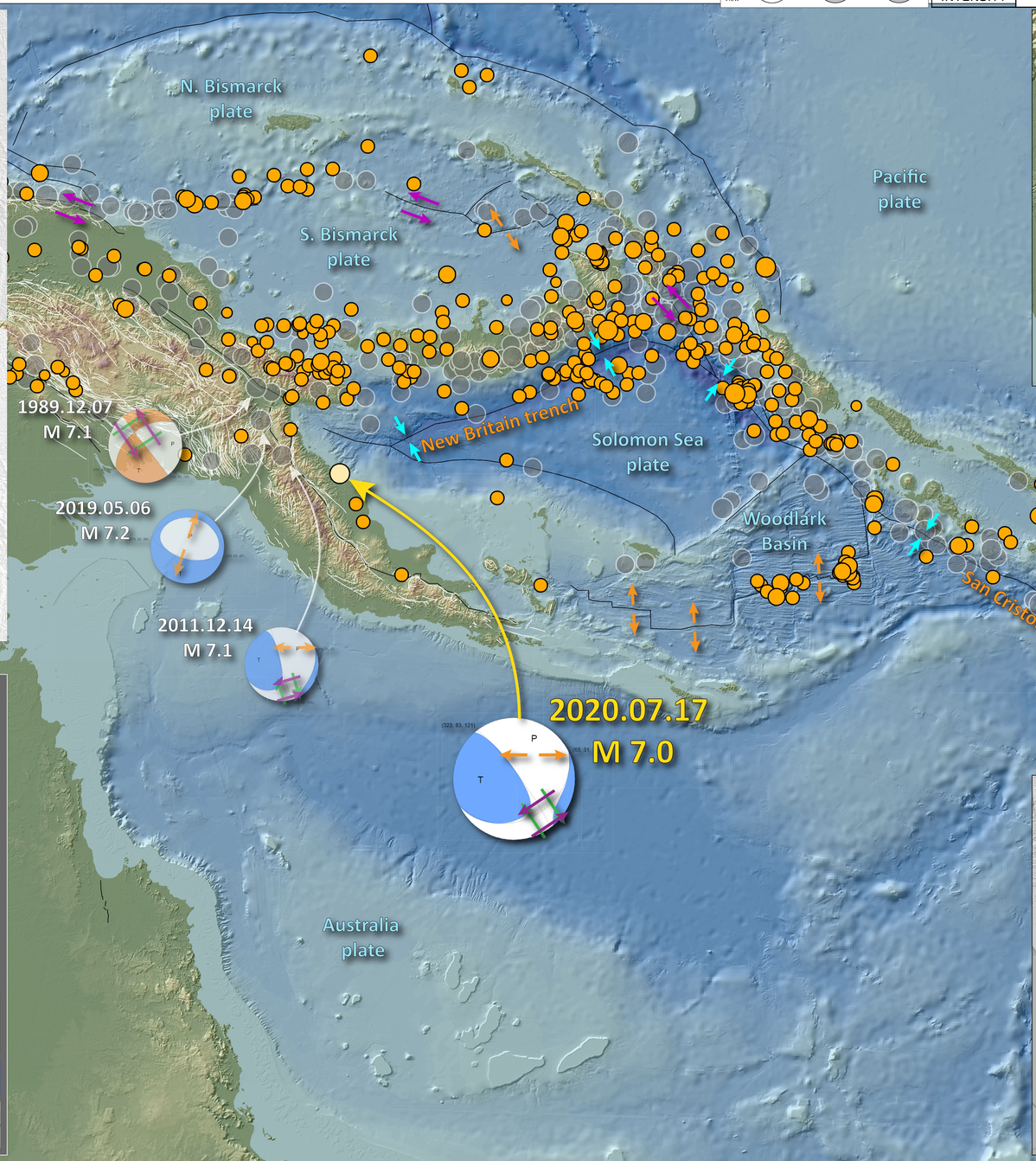
CCOP
COORDINATING COMMITTEE FOR GEOSCIENCE PROGRAMMES IN EAST AND SOUTHEAST ASIA

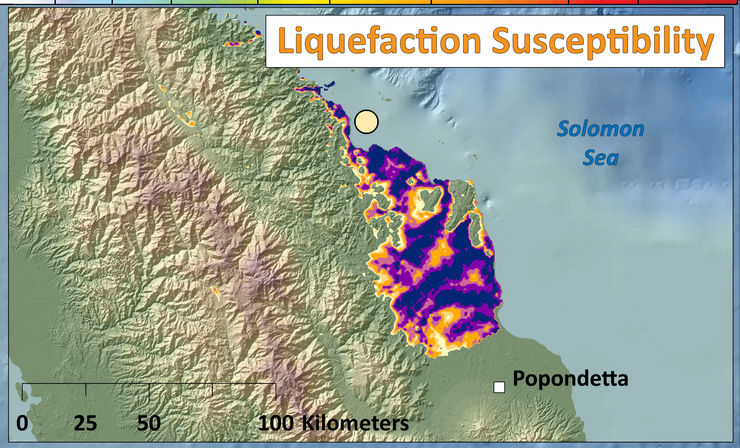


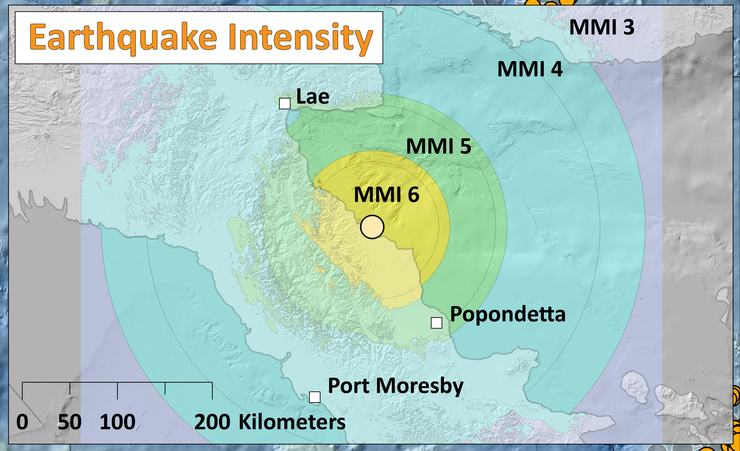
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	1	2-3	4	5	6	7	8	9	10+











17 July 2020 M 6.9

Earthquake (USGS - 6 month)

Magnitude

- 3.7 - 4.0
- 4.1 - 5.0
- 5.1 - 6.0
- 6.1 - 6.9

Earthquake (USGS - 1 century)

Magnitude

- 6.5 - 7.0
- 7.1 - 7.5
- 7.6 - 8.0
- 8.1 - 8.5

Fault
- CCOP
Fault
- GEM

Liquefaction Susceptibility
Zhu et al. (2017)
- 0% - 0.5%
- 0.6% - 1%
- 1.1% - 2%
- 2.1% - 5%
- 5.1% - 10%
- 10.1% - 20%
- 20.1% - 50%

Topography:
Ryan et al., 2009
doi: 10.1594/IEDA.100001

Intensity (USGS)
MMI
- I (Not Felt)
- II - III (Weak)
- IV (Light)
- V (Moderate)
- VI (Strong)
- VII (Very Strong)
- VIII (Severe)
- IX (Violent)
- X+ (Extreme)

0 62.5 125 250 Miles

0 125 250 500 Kilometers

GEM
GLOBAL EARTHQUAKE MODEL
working together to assess risk

Jason R. Patton
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USGS
science for a changing world