5 November 2018

Survey Report of the 2018 Sulawesi Tsunami

27-31 October 2018

Research Institute of Sustainable Future Society Waseda University 早稲田大学持続的未来社会研究所 Indonesia, Japan, USA, Canada, and Germany Waseda Tsunami Survey Team

Tsunami Survey Team

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Survey Route - 27 October 2018

Palu

6254

1516 m

2018-10-27

and selection

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Google Earth ₄

Survey Route - 28 October 2018

Palu City

199

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7.79 km

1

Google Earth

Survey Route - 29 October 2018

Palu City

9.21 km

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Google Earth

a think

Survey Route - 30 October 2018

Donggala Regency

Pil

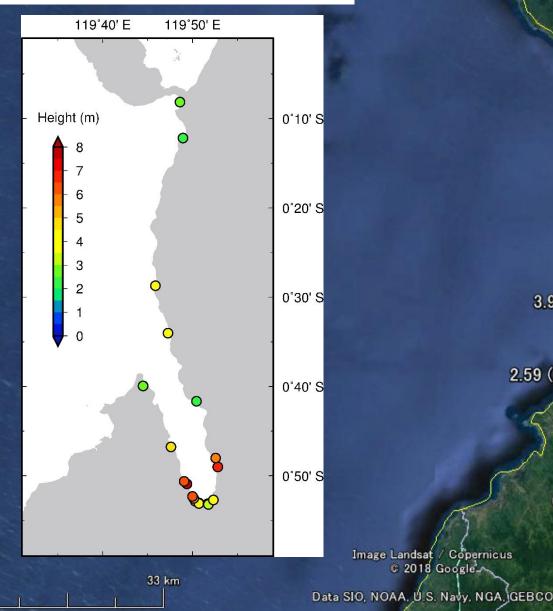
Google Earth

Data SIO, NOAA, U.S. Navy-NGA GEBCO © 2018 Google Image Landsat Copernicus Palu 2018-10-30

29 km

Measurement Survey Results

Note: The results are **not** yet corrected to the heights above the estimated tide level at the time of tsunami arrival.



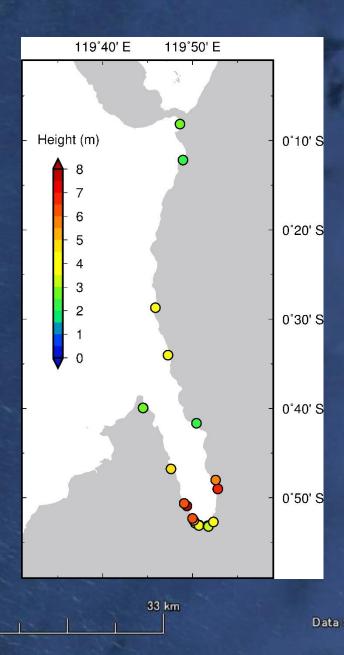
R: Run-up height (m) I: Inundation height (m)

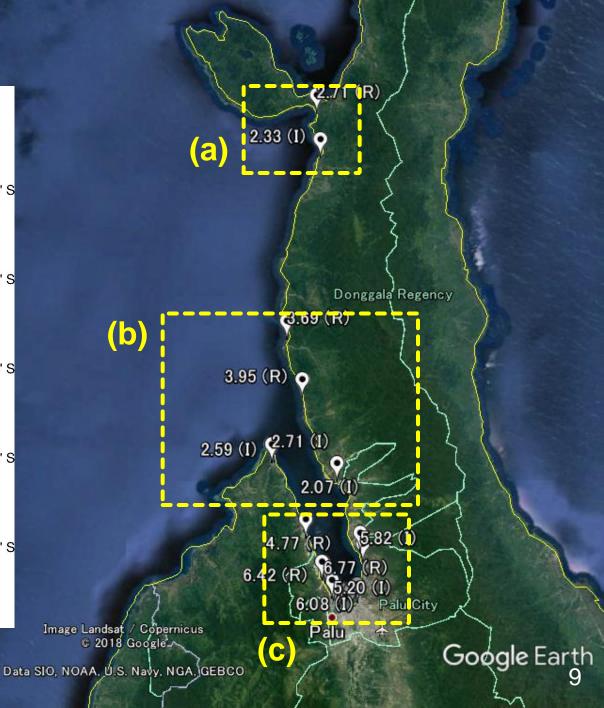
2.33 (I) o Donggala Regency (3.69 (R) 3.95 (R) o 2.59 (I) \$2.71 (I) 2.07 5.82 (1) 4.77 (R)

(2.71 (R)

6.42 (R) 6.77 (R) 5.20 (I) 6:08 (I) Palu City Palu

Google Earth





(a)

Magapa

(2.71 (R) Lombonga

2.33 (I) 📀

Lende

Google Earth

Tompe

Image © 2018 TerraMetrics © 2018 Google Image © 2018 DigitalGlobe Data SIO, NOAA, U.S. Navy, NGA, GEBCO

3.95 km

Lombonga, Donggala

- Local people evacuated after an earthquake. When coming back to the coast, they saw debris on a road.
- One fisherman, who was offshore when an earthquake occurred, saw a wave going to south (to Palu Bay).



(b)

(8.69 (R) Kaliburu

3.95 (R) • Kavaya

Labuan Bajo 2.59 (I) **4**2.71 (I)

Image © 2018 CNES / Airbus © 2018 Google Image © 2018 DigitalGlobe Data SIO, NOAA, U.S. Navy, NGA, GEBCO

2.07 (1)

8.90 km

Google Earth 12

Wani2, Donggala



Wani2, Donggala

 Water was accumulated inside a room on the first floor. The maximum water level observed was higher than this, but didn't reach the second floor.

5.82 (1) Mamboro 6.58 (1) 6.77 (R)

Palu Bay

Buluri 0.42 (R) 8.43 (I)

(C)

Loli

4.76 km

4.77 (R)

 $(d) \\ 5.20 (1) \\ 6.08 (1) \\ 2.61 (1) \\ 3.85 (1) \\ 4.26 (1) \\ 5.60 (1) \\ 3.32 (1) \\ 3.32 (1) \\ (1) \\ 3.22 (1) \\ (1) \\ 3.32 (1) \\ (1) \\ 3.32 (1) \\ (1)$

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Seat of

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Palu City

Google Earth 15

Mamboro, Palu



Mamboro, Palu



Buluri, Palu



Loli, Donggala





IAIN Palu campus





Palu Bay

4.26 (I)

398 m

3.32 (I) \$5.60 (I)

TV office

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Google Earth

4.07 (I)

TV office, Palu

