

Timeline of Response in NTWC of China(NMEFC)

Info. based on revised Mag. 8.0 07:24

08:55

自然资源部海啸预警中心

黄色

海啸警报

时间: 2025年7月30日10时19分

编号:海啸 2025-0730-0724-4

答为: Jibiz

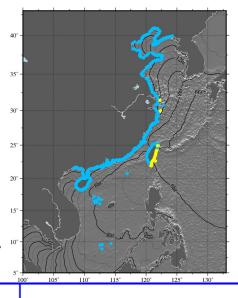
自然资源部海啸预警中心根据《海洋灾害应急预案》,发布 海啸黄色警报。

2025年07月30日07时24分(北京时间), 堪察加东岸 远海海域 (52.53° N, 160.16° E) 发生 8.8 级地震, 震源深度为 20千米(震源参数修订)。自然资源部海啸预警中心根据最新监 测分析结果, 此次地震已经引发海啸, 预计会对我国部分沿岸造 成灾害性影响。

 $_{07:51}$ Issue 2nd Tsunami $_{10:19}$ Issue 4th Tsunami warning for Taiwan, Zhejiang and Shanghai based on revised EQ M8.8 and tsunami forecasts of slightly over 0.3 m amplitudes.



Actual amplitudes at the coast may vary from forecast amplitudes due to uncertainties in the forecast and local features.



Time: 2025/07/30 07:24:50 Lon: 160.16 Depth: 20 km

Mw 88 Earthquake



_{18:09} Issue Cancellation for tsunami warning

Time: CST/BJT **UTC + 8**

Issue 1st Tsunami Info. with preliminary parameter M7.6 for the EQ

07:34

Issue 3rd Tsunami Info. with revised EQ M8.7 based on auto CTM solution and PTWC, as well as NWPTAC. Tsunami forecast shows nearly 30-cm amplitude would appear along the east coast of Taiwan province, China

Issue 5th Tsunami warning continuously for Taiwan, cancelling warning for Zhejiang and Shanghai based on comparison between tsunami forecasts and observations.

14:15



Tsunami Record In China From Kamchatka Earthquake M8.8

Lesson learned:

- 1. Magnitude of giant earthquakes tends to be underestimated during the initial automatic assessment. A more accurate result can be typically generated in 15-18 minutes by W-phase method.
- 2. The criteria of tsunami warning(Yellow Level: 0.3 ~ 1.0 m) referring to PTWC seems not be applicable to China. If the tsunami amplitude is less than 1 meter, tidal effects should be taken more seriously given the relatively larger tidal range along the coast of China.
- 3. Tsunami awareness should be improved in China. The question of the greatest concern after the issuance of the tsunami warning, whether from the public or the authorities, centers on the exact meanings of the current warning and the potential impacts to the inhabitants and their livings.

