



Australian Government

Bureau of Meteorology



Severe Weather Briefing

Tuesday, 4th January 2022





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Key messages

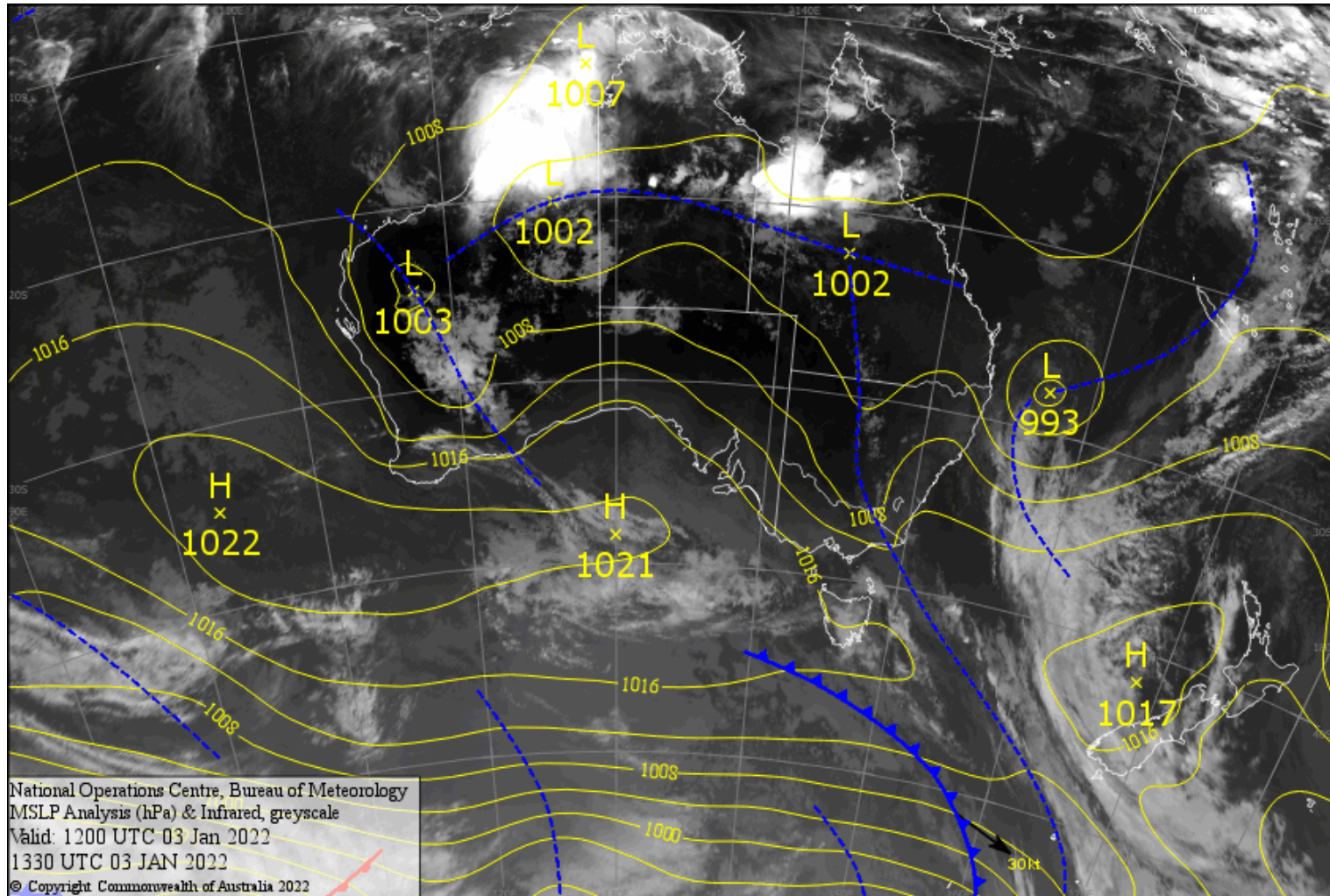


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- Ex-tropical cyclone *Seth* is situated off the southeast Queensland coast and is slow-moving. The system should continue to weaken as it tracks towards the K'gari (Fraser Island) coast over the next couple of days.
- Abnormally high tides are being observed along the southeast Queensland coast and inside Moreton Bay – record or near-record sea levels may occur around the high tide this morning.
- Large waves are occurring about the southeast Queensland coast and in combination with the abnormally high tides may lead to significant coastal erosion/beach scour today – these conditions are forecast to gradually abate over the next couple of days.
- Locally damaging wind gusts are possible about coastal and some elevated areas of southeast Queensland this morning.
- Showers are expected to increase around southeast Queensland over the next few days and may become heavy at times.
- At this stage, there are early indications that there will be at least a low (i.e. 5-20%) chance of a tropical cyclone forming around far north Queensland over the weekend or into early next week.

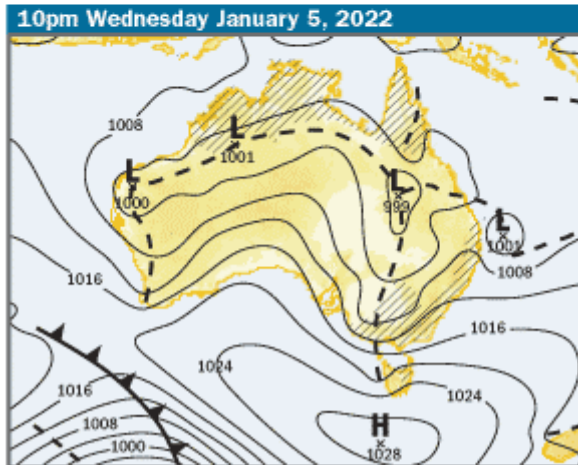
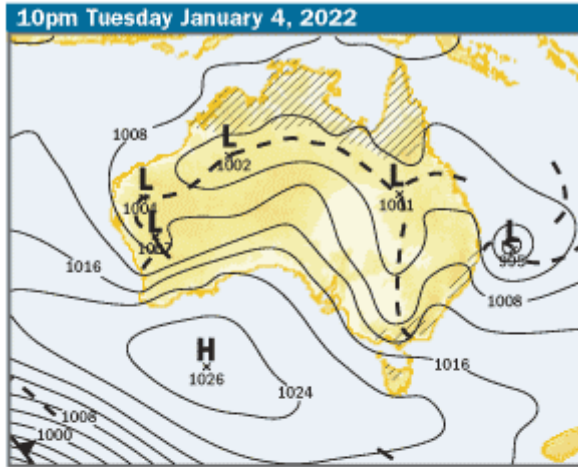


Current conditions – weather chart (as of 10pm AEST Monday)

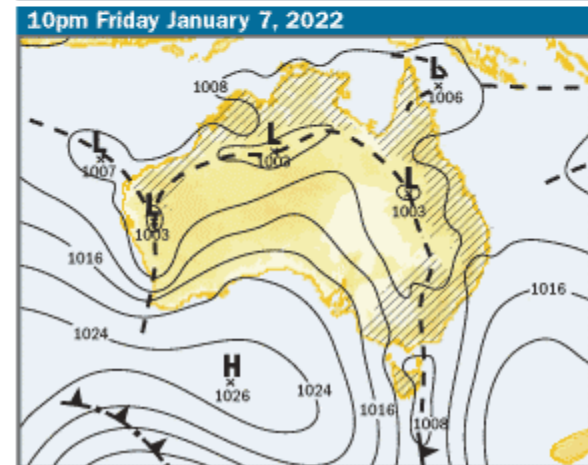
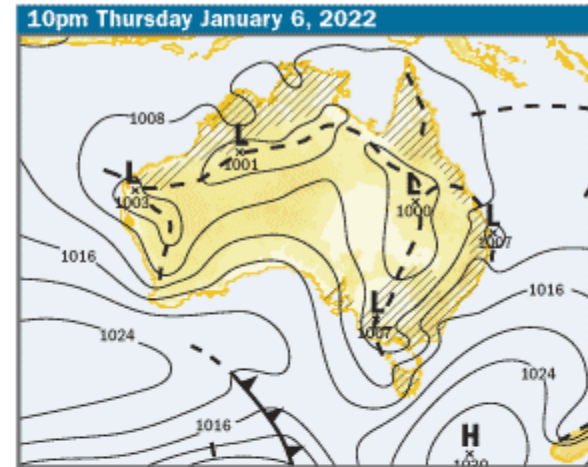




Forecast conditions – weather charts



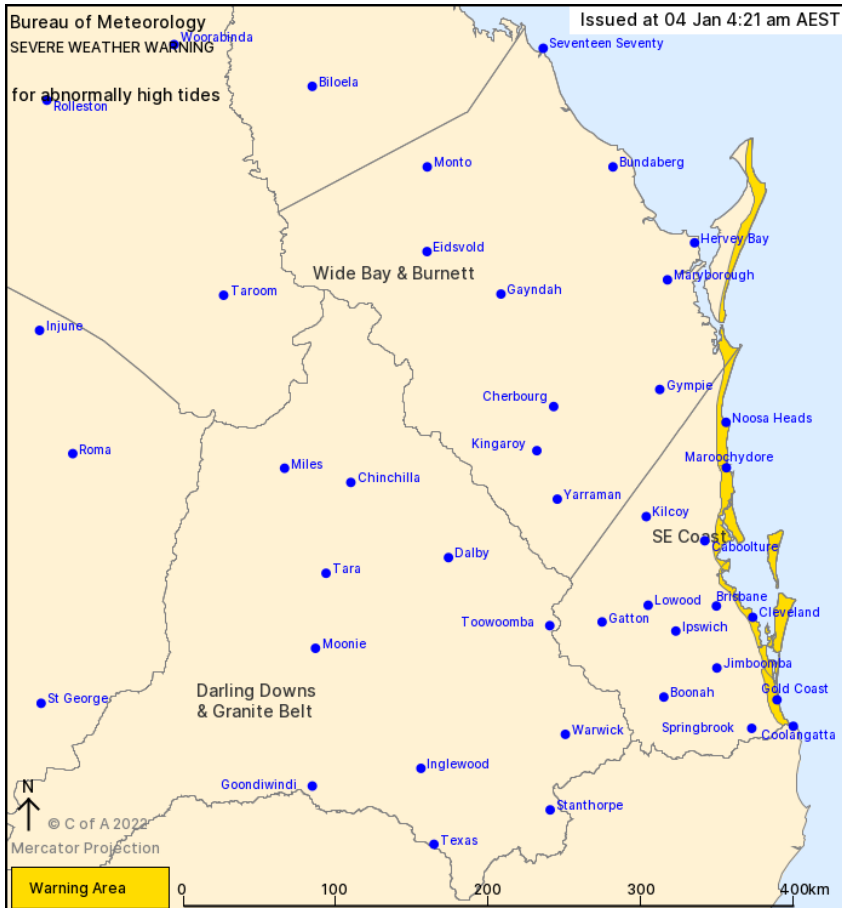
Tue/Wed



Thu/Fri



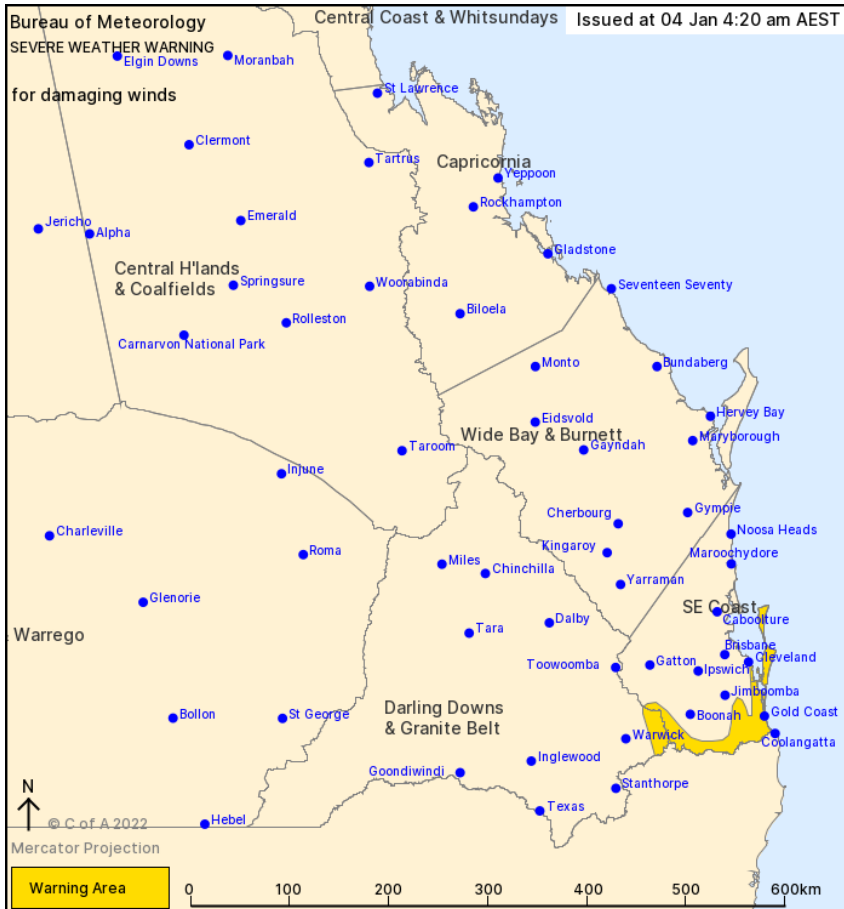
Forecast conditions – tides and waves



- Abnormally high tides are being observed along the southeast Queensland coast and inside Moreton Bay – record or near-record sea levels may occur around the high tide this morning.
- Large waves are occurring about the southeast Queensland coast and in combination with the abnormally high tides may lead to significant coastal erosion/beach scour today – these conditions are forecast to gradually abate over the next couple of days.



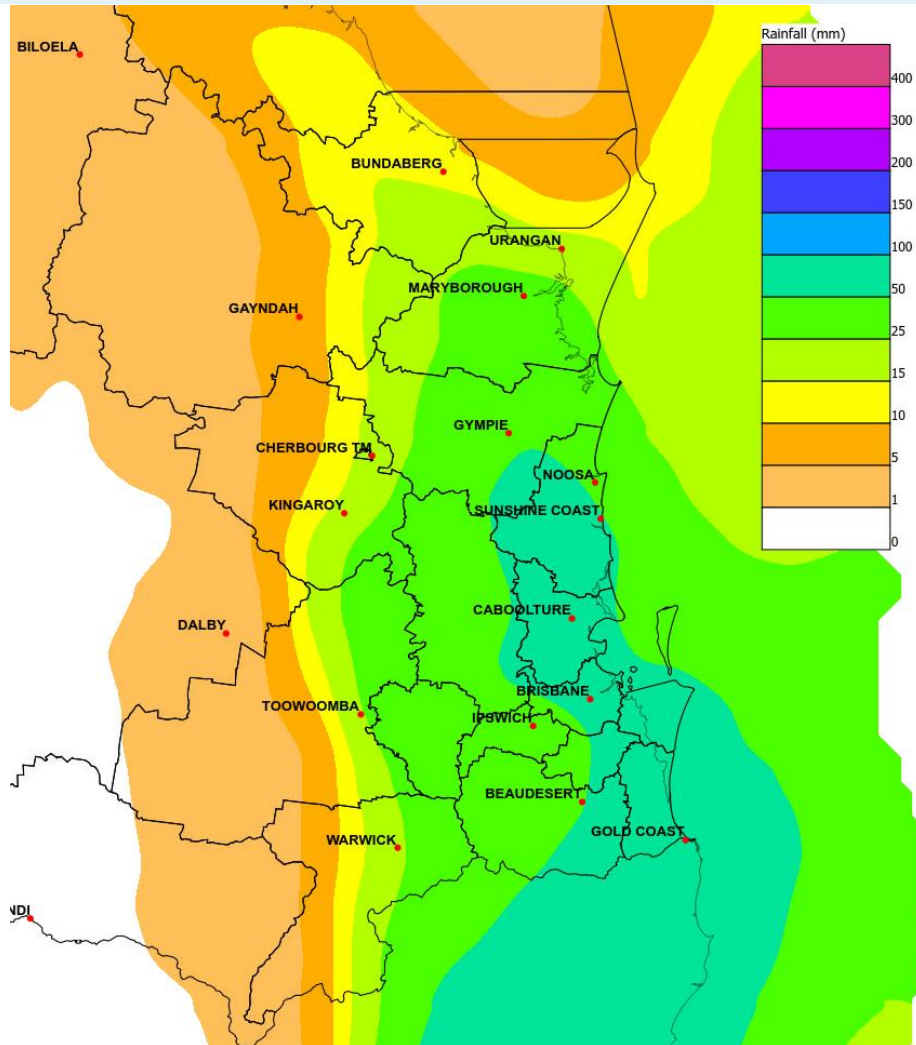
Forecast conditions - winds



- Locally damaging wind gusts are possible about coastal and some elevated areas of southeast Queensland this morning.



Forecast conditions – 3-day rainfall (Wednesday to Friday)



Not for public or media dissemination

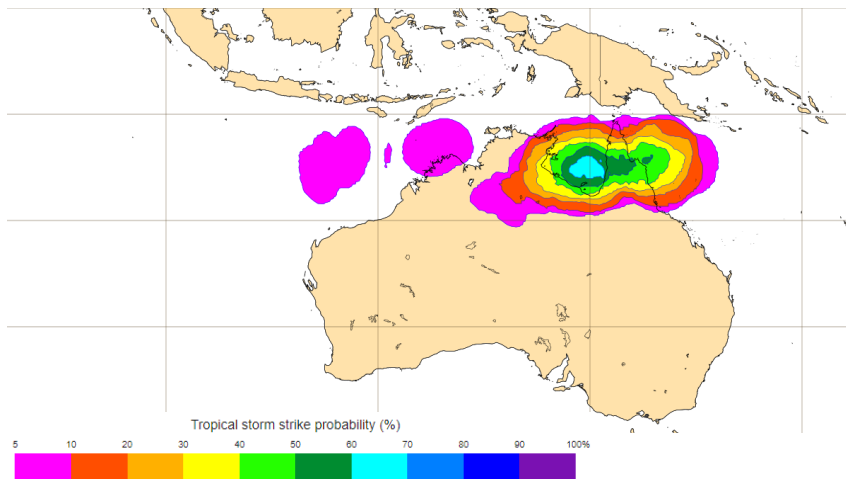
Based on the Australian Digital Forecast Database output at 6am AEST Thursday – image shows the 25% chance of getting the stated amount of rainfall, or more (local government boundaries in black)



Forecast conditions – tropical cyclone outlook



- At this stage, there are early indications that there will be at least a low (i.e. 5-20%) chance of a tropical cyclone forming around far north Queensland over the weekend or into early next week.



Based on output from the ECMWF model – image shows the tropical cyclone strike probability within a 300km radius from a given location in the time window between Sunday and Tuesday next week.