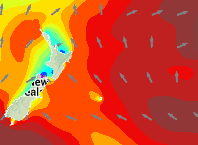
Question 2 **Big Bad Wellington Storm**

June 20, 2013

Swellmap.com showed a **wave height of 8m** from the **south** for this day.   
(Swellmap image above was for 2 days after the storm when the weather pattern had moved off to the east)

The **South coast** of Wellington was hammered with **waves up to 15 m** and **wind gusts up to 200Km/h.** This pattern had been similar for the previous day or more.

The worst damage occurred around the time of **high tide**

The moon was very near its **perigee.**

Use your knowledge of tides and waves to discuss why Wellington’s south coast suffered such a lot of damage. Include an explanation of the **factors that affect wave height** and how these **contributed to the damage**. Also include an explanation of the **contribution of the moon** to the damage, including an explanation of spring and neap tides.