

Mangrove Mountain Landfill

Fact Sheet 5



Understanding the scale and magnitude

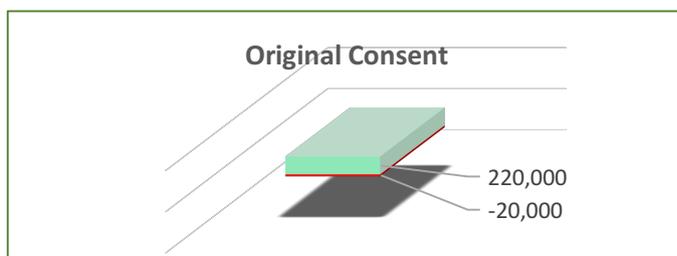
When you read, hear or talk about the waste landfill at Mangrove Mountain, located within a water supply catchment, it is difficult to grasp the scale and magnitude of what has taken place and what is intended in the future. This is because the Consent issued by the former Gosford City Council only allowed the importation and excavation of material to infill two small drainage gullies, remove the crest of a hill between the two drainage gullies and fill in a small depression.

In total the amount of material to be imported or relocated was up to 240,000 cubic metres (m³). This was made up of 20,000 m³ of excavated material and 220,000 m³ of imported material. So what does the importation and excavation of 240,000 m³ occupy.

To gain an understanding of what this looks like imagine that you are sitting in the stands of Gosford Stadium. The grassed area of the stadium is 10,000 square metres (m²), meaning that the



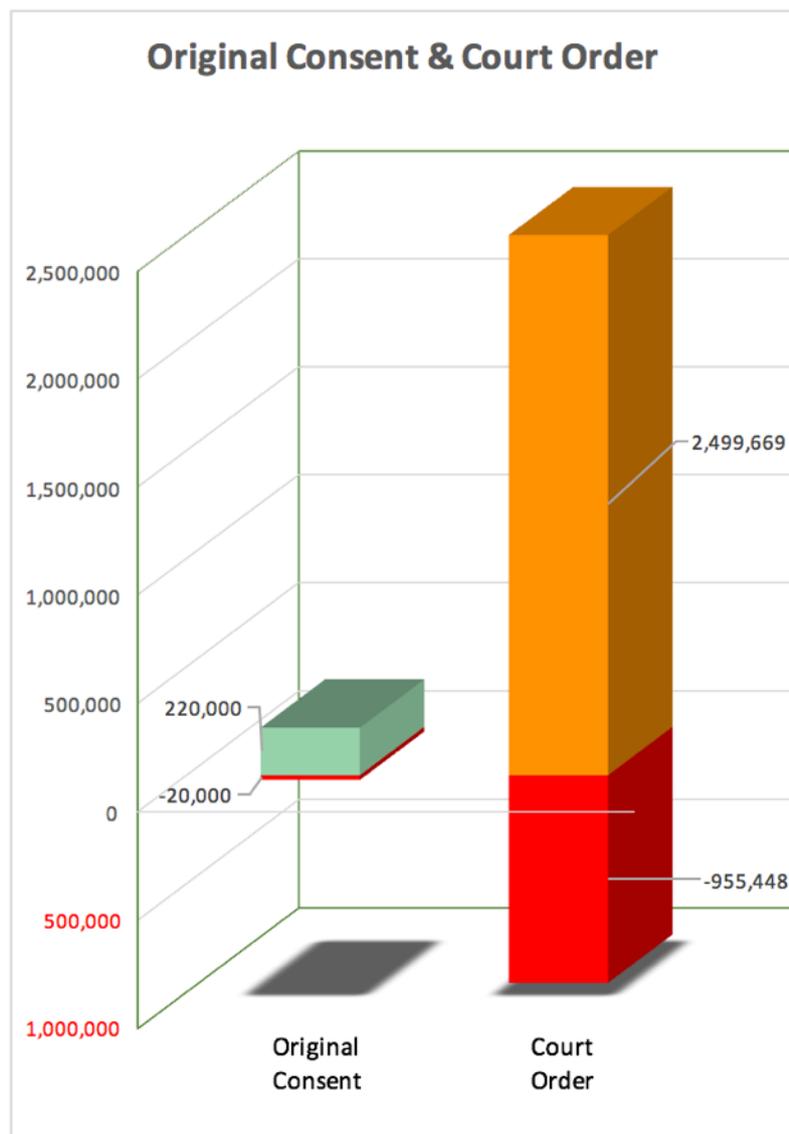
excavation of 20,000 m³ is equal to a hole 2 metres deep and the 220,000 m³ of imported material would cover the grass area of the stadium up to a height of 22 metres. This is equal to the height of the surrounding roof of the stands.



The attached graph illustrates the **void space** of 240,000 m³ which would occupy the air space from the grass of the stadium to the roof top of the stadium stands and a two-metre-deep hole.

The depth and height of the **void space** is therefore 24 metres. Everything fits within the envelope of the Stadium. Now that you have an appreciation of what the original Consent permitted you need to take your seat back in the stands of Gosford Stadium to understand what the former Gosford City

Council negotiated with the landfill Operator, without any public consultation, and had approved in the Land and Environment Court in 2014. The former Gosford City Council is permitting the excavation to increase from 20,000 m³ to 955,448 m³. This means the two-metre-deep hole will become 95 metres deep. The amount of material to be imported increases from 220,000 m³ to 2,499,669 m³. This means the height of the fill changes from 22 metres above the grass to 250 metres above the grass. The depth and height of the **void space** is now 345 metres compared with 24 metres. The remodeling is no-longer confined within the envelope of the Stadium.



It now extends 2.2 times higher than Presidents Hill and goes nearly to the height of Presidents Hill below ground. All this is to take place in your drinking water supply catchment. So how did the former Gosford City Council allow a consent to expand so radically? The only way to find out the full story is to have a Commission of Inquiry. Open and read other information sheets. There is a lot more to find out.