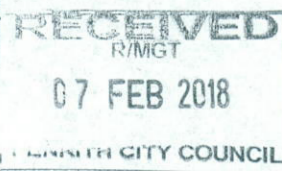


**Attention: To Penrith City Council & Sydney Western City Planning Panel.**

**Property known as the Wallacia Golf Course**

**Objection to DA17/1092.**



**Subject: FLOOD AREA 1 IN 100 YEARS FLOOD.**

For all quoted points refer to N.S.W. SES Hazard and Risk in the Hawkesbury-Nepean Valley Vol 2 Flood Plan.

- (1) **Reference 2.15:** The effects of a probable maximum flood .Wallacia-59.6 metres-95% of Wallacia flooded
- (2) **Key Flood Gauges:** Wallacia at Wallacia Weir (212202)
- (3) **Flooding of Wallacia Flood Plain:** (Refer: Page 382.15) once on the Wallacia Flood Plain, flood waters can back up Jerry's Creek from the Nepean River surrounding the village of Wallacia to the North East and West (15) During a PMF most of Wallacia would be flooded, with only a thin strip of land to the South of the Village near Greendale Road remaining flood free.  
On the Western side of the river, the lower lying land along Bents Basin Road can become inundated by flood waters.
- (4) **Transport Infrastructure:** (Refer: 34-2.11)  
**Bridges:** Blaxland Crossing Bridge, Wallacia Deck Height 5.5M at Wallacia Gauge (35.15M AHD)
- (5) **Floodplain:** (Refer Page 29)  
**Wallacia Area (Sector/Sub Sector)** Wallacia/South Wallacia (WA1) (15) and (23) road point ID  
**Flood Classification:** High flood Island  
**Last Road Cut M AHD 61.5** Locally (39.8M main Evacuation Route Cut)  
**Submersion height M AHD** PMF  
**Comments:** The Park Road Evacuation Route is cut at 39.8M AHD.  
The alternate Route is through a private property on a dirt track. Many properties Would be flood affected in a PMF.
- (6) **Flood Frequency:** (Refer Page 22)  
Wallacia Flood Level (at Blaxland Bridge)  
AEP% 20% 1 In 5 36.8M AHD  
AEP% 5% 1 in 20 42.5M AHD  
AEP% 1% 1 in 100 45.8M AHD.
- (7) **Source of Information:** Hawkesbury Flood Plain Risk Management study and plan (2012) (5)
- (8) **Note Again:** Wallacia is the highest risk flood island in the Hawkesbury-Nepean Flood Plain.
- (9) **Flood Mitigation System:** (Refer 1.9 Page 21)  
There is currently no significant flood specific Mitigation Infrastructure within the Hawkesbury-Nepean Valley to reduce risk to property from a Hawkesbury-Nepean River Flood (review 11)  
**The result of these Investigations is:**  
How investigations into these Flood Mitigation Solutions have found that there is no simple or significant solution or single Infrastructure option that can address all of the flood risks in the Hawkesbury-Nepean Valley (11).
- (10) **Several of the most severe floods experienced:**  
Refer: (1.5 Page 14)  
**Years:** 1867-1961-1964-1978-1986-1990.
- (11) The main problems relating to Jerry's Creek flooding The Golf Course is the Nepean being full flood created by heavy rain on the South Coast around the Robinson area.  
Then downstream of Wallacia at what is known as the Junction where the Nepean try's to join the Warragamba River against the flow of the Warragamba River. This makes the flood waters back up all the smaller water ways around Wallacia mainly Jerry's Creek.  
  
Local rain in the Wallacia are is not the main problem with Jerry's Creek flooding it is the gradual back up of water from the Nepean River Jerry's Creek doesn't have raging flood water.



This gradual back up and drain away saturates the ground especially in the Golf Course property as it can lay for days soaking into the ground and as we now capillary action can bring any higher underground and above ground seepage down to the main water way which is Jerry's Creek then down into the Nepean and Hawkesbury Rivers "More Pollution".

(12) Sewer System:

The existing sewer system was installed by the N.S.W. Government only for residents in the Boundry of the existing villages of Wallacia and Mulgoa.

The main Mulgoa Village sewer pipe line runs across the Golf Course from North to South starting at the Jerry's Creek and Mulgoa Road Boundry, across to a large underground storage tank and pumping station for the sewerage from Wallacia to Mulgoa.

This underground tank and pumping station is on the Eastern side of the Bush Fire Station on Park Road. This Land was purchased from the Golf Course Club for this purpose.

All of the sewerage that comes to this tank from Wallacia and Mulgoa is then pumped up to the Norton's Basin Road Filtration and Treatment Works.

There for any future development on the Golf Course property would require a separate Sewer System. This creates another pollution problem.

This would require a large system which would pump supposedly clean treated water onto the grassed areas but as is well known the Water Board has had problems with this system putting nutrients into the water ways and feeding all the none native plants and weeds such as the weed known as Duck Weed that takes over the tops of the water ways.

The question has to be asked why would a developer want to put a Development that has all of the previously documented problems with flooding and seepage want to use this property for 88,000 Burial Sites. This development would be a potential time bomb waiting to pollute our water ways if it went ahead.

