

Nicola Todd

From: Tony Trueman <tony.trueman@awa.kiwi>
Sent: Thursday, 29 August 2024 9:37 am
To: Nicola Todd; Craig Martell
Subject: RE: [#CCL23333] latest flood modelling @ 160 Mazengarb Road, Parapraumu

Hi Nicola

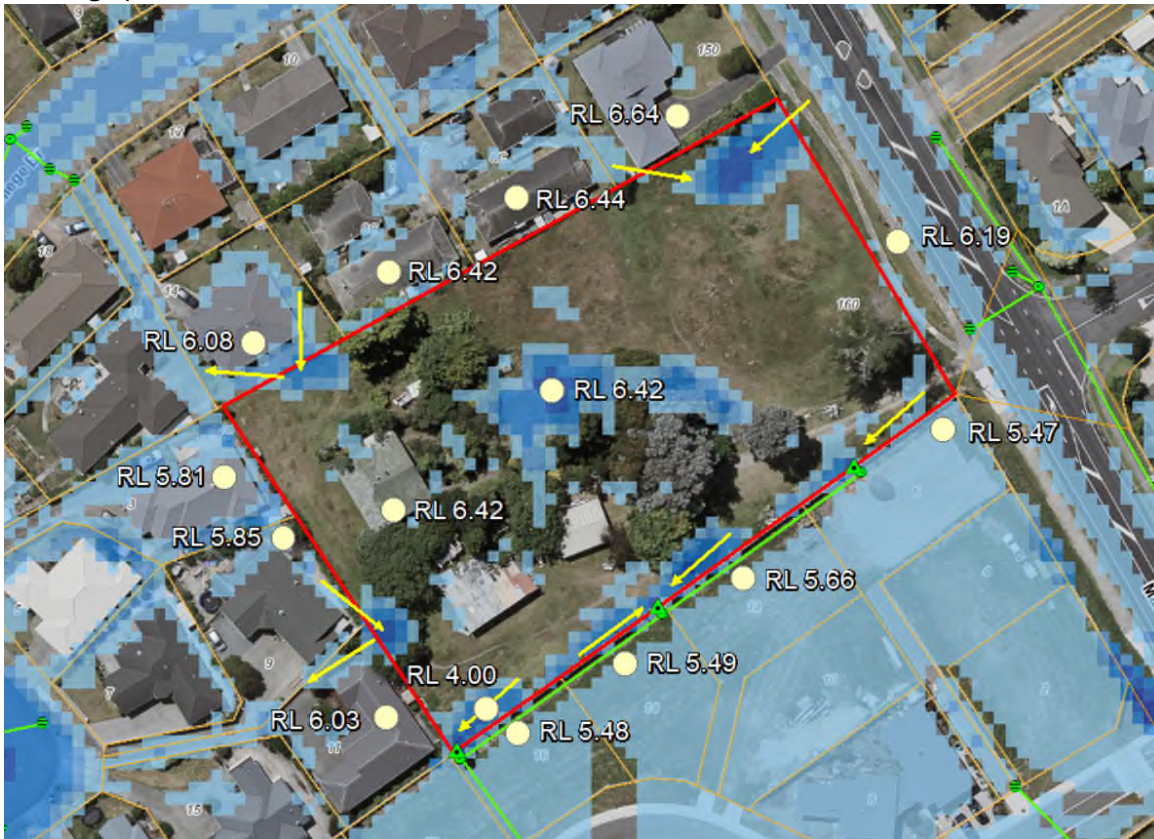
I was looking through the Tuflow model results in this location and discussing these with Craig.

He has asked me to send you some screen shots and if you are free at 1:30 to discuss these in the context of this location.

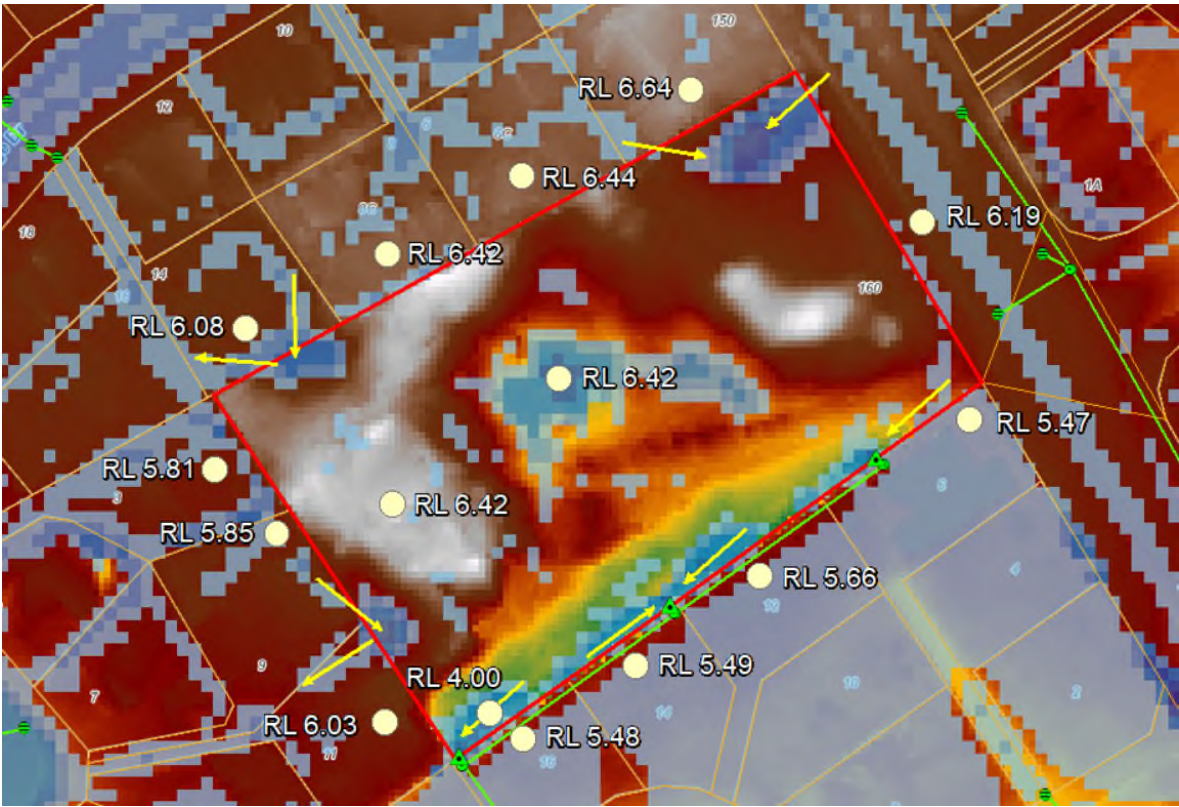
Regards

Tony

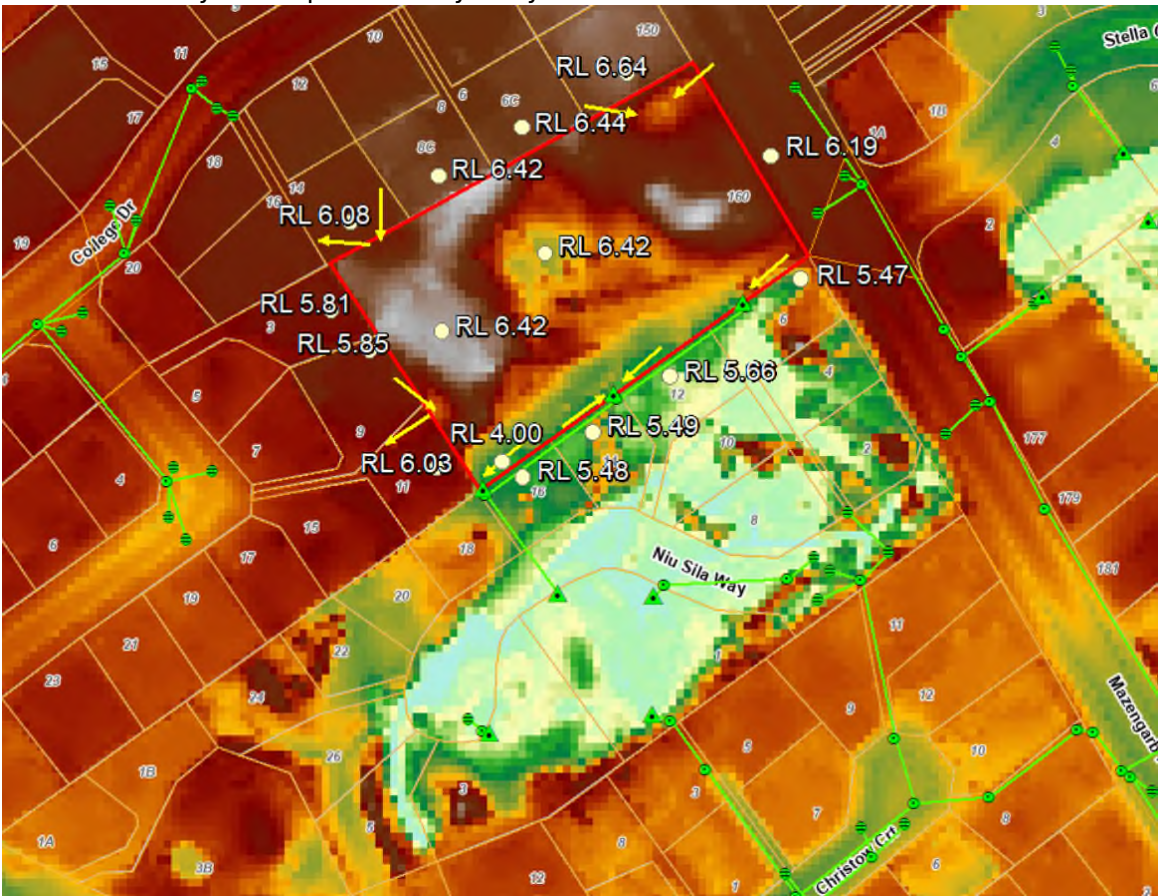
Existing Spot Ground Levels



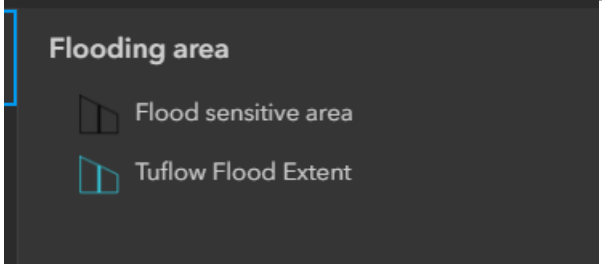
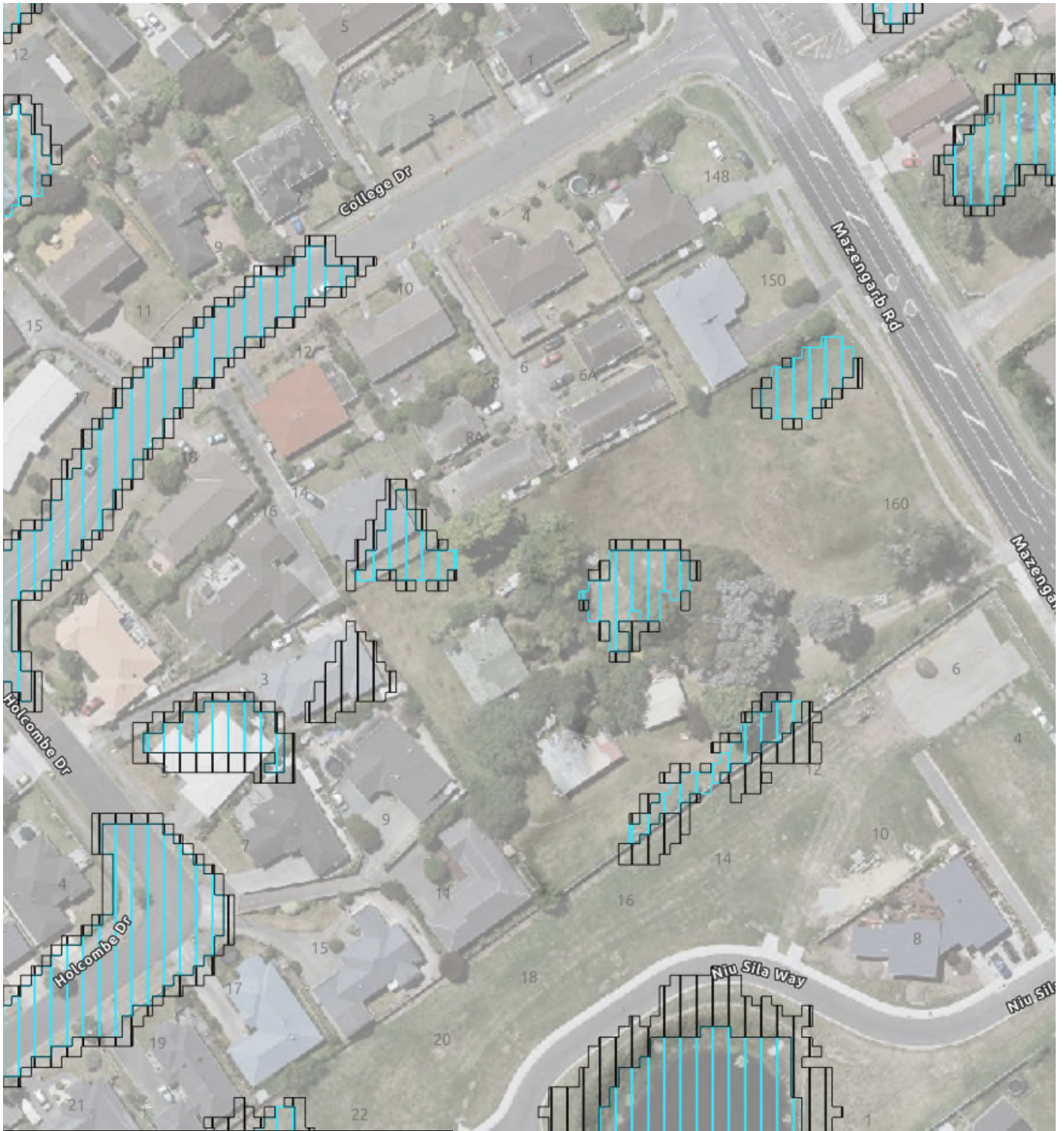
Existing Bathymetry



Pre Niu Sila-Way Development Bathymetry



Flood Sensitive Area



From: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>
Sent: Tuesday, August 27, 2024 8:31 AM
To: Tony Trueman <tony.trueman@awa.kiwi>
Subject: FW: [#CCL23333] latest flood modelling @ 160 Mazengarb Road, Parapraumu
Importance: High

Hi Tony,

Please see the forwarded query from Cuttriss i.e. what does the modelling look like for the wider catchment?

Would you also be able to answer the points highlighted in yellow?

Regards

Tapiwa Mbona

Coastal & Stormwater Asset Engineer

Te Kaiapuukaha Taonga, o ngaa wai Aawha, me Taatahi

Kāpiti Coast District Council

Tel 04 296 4778

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From: Nicola Todd <nicola@cuttriss.co.nz>

Sent: Tuesday, August 27, 2024 8:15 AM

To: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>

Subject: RE: [#CCL23333] latest flood modelling @ 160 Mazengarb Road, Parapraumu

Kia ora Taps

As per my email below. I specifically need the wider flood are catchment. It has been requested in an RFI for this subdivision. Can you please provide the wider flood extent?

Ngā mihi nui | Thank you

Nicola Todd (she/her) | Director | BSurv (Hons) | MS+SNZ |

Cuttriss Consultants Limited

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| <http://www.cuttriss.co.nz>

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From: Nicola Todd

Sent: Thursday, May 2, 2024 5:48 PM

To: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>

Subject: RE: latest flood modelling @ 160 Mazengarb Road, Parapraumu

Kia ora Taps

Thanks for this.

- What is the 1% flood level that we would need to design to?
- I can't open the attachments
- Can we see what the wider flood hazard looks like – to understand the impact of filling this ponding area?
- Will you need flood modelling if we earthwork the site and re-shape the areas of ponding? Or can we demonstrate we have mitigated an fill in the ponding areas by lowering other areas to compensate?

Ngā mihi nui | Thank you

Nicola Todd (she/her) | Director | BSurv (Hons) | MS+SNZ |

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From: Tony Trueman <tony.trueman@awa.kiwi>

Sent: Thursday, May 2, 2024 12:20 PM

To: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>

Subject: RE: latest flood modelling @ 160 Mazengarb Road, Parapraumu

Hi Tapiwa

I have had a look at this location.

The Mazengarb TUFLOW 100yr ARI 2130 peak depth results, clipped to the parcel boundary.

Ponding occurs within the low-lying areas of the site.

Generally, depths across the site are in the order of 10 to 400 mm – (wellington 1953 vertical datum).

Any runoff associated with an increase in impervious area would need to be mitigated on-site, any storage on the floodplain, off-set by development, would need to be mitigated on-site.

I have clipped the peak depth results (IND – wellington 1953 vertical datum, NZTM) and top water level (TWL – wellington 1953 vertical datum, NZTM) for the sites in raster (.img) format to show the location and depth of flooding to further inform the developed design – see link provided in email below.

<https://www.dropbox.com/t/s6jToCXGJkOiA5Xk>

Note that these are the base results. While we have run sensitivity analysis including development intensification this has been applied as a general area intensity increase rather than on a development block basis. We would recommend a recommended building level (RBL) of 300mm – 500mm above top water levels to underside of floor or joist for these locations.

Regards

Tony



- TUFLOW MODEL RESULTS
- Mazengarb 2130 100yr ARi Peak Depth_clipped.img
- (m)
- > 0.75
- 0.5 - 0.75
- 0.25 - 0.5
- 0.1 - 0.25
- 0.05 - 0.1
- 0.01 - 0.05
- < 0.01

From: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>
Sent: Wednesday, May 1, 2024 3:00 PM
To: Tony Trueman <tony.trueman@awa.kiwi>
Subject: latest flood modelling @ 160 Mazengarb Road, Parapraumu

Hi Tony,

May you please help with the request as per the forwarded email?

Regards

Tapiwa Mbona
 Coastal & Stormwater Asset Engineer
 Te Kaipuukaha Taonga, o ngaa wai Aawha, me Taatahi

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Tel 04 296 4778
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From: Nicola Todd <nicola@cuttriss.co.nz>
Sent: Wednesday, May 1, 2024 1:49 PM
To: Tapiwa Mbona <Tapiwa.Mbona@kapiticoast.govt.nz>
Subject: 160 Mazengarb Road

Kia ora Taps

Can you please supply the latest flood modelling for 160 Mazengarb Road, Paraparaumu? I expect it would be quite different and hopefully non-existent as the property to the south was filed several years ago (with consent).

Thank you.



Ngā mihi nui | Thank you
Nicola Todd (she/her) | Director | BSurv (Hons) | MS+SNZ |
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