

Figure 1. I advised the Chair that there may be a case for a submission on the affected properties, and that I would need to conduct field investigations to confirm my findings.

After informing the Chair of my findings, individual affected landowners in the precinct were advised make contact with me, including you. Any submissions would be on behalf of affected landowners, as opposed to the entire Committee. I conducted field investigations on Saturday 19th September 2020. This was a fine day with no preceding rainfall.



Figure 1: Marked up 2nd Order Strahler waterways map showing areas for potential ground truthing

Findings at 

The location of the properties is shown circled in blue in Figure 2.

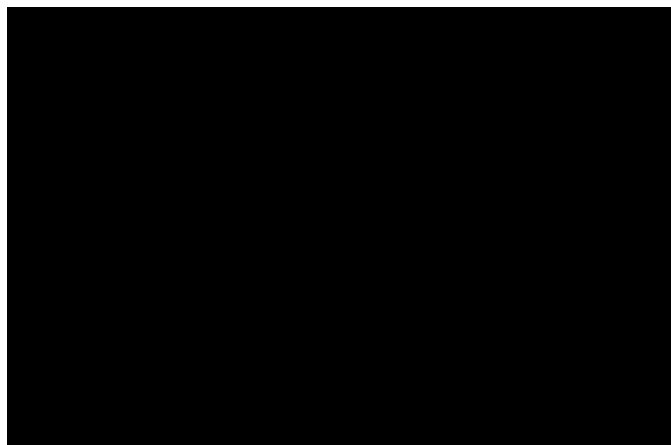


Figure 2: 

The topographic map and aerial photograph of the properties are superimposed in Figure 3. It reveals no evidence of stream processes occurring on any of the three properties.

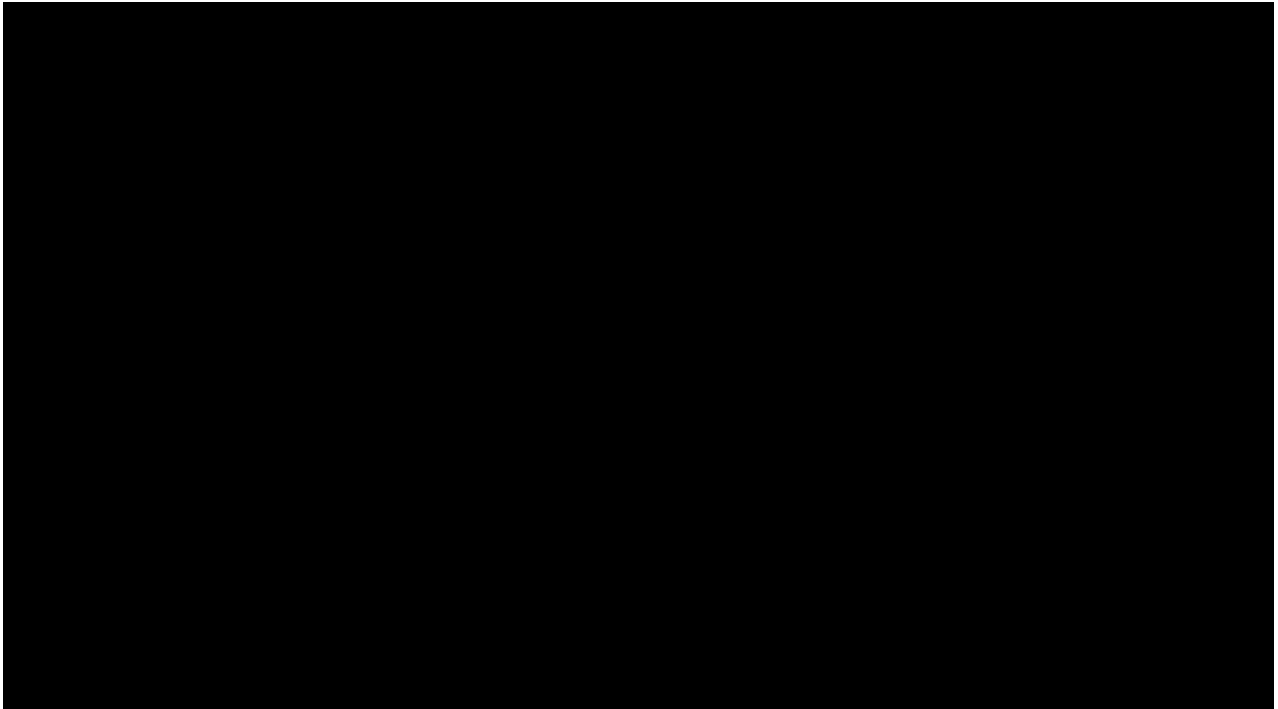


Figure 3: Snip from Six Maps showing waterways at [REDACTED]. The blue line is the mapped 2nd Order Strahler waterway

I inspected the waterway in the presence of [REDACTED], owners of [REDACTED]. They advised me that they had purchased the property 20 years or so prior and that they had not made any changes by way of earthworks in the vicinity of the waterway in that time.

The mapped waterway connects and includes two farm dams. I observed the following in relation to the waterway:

- The farm dam on No 21 spills to the west and makes its way overland to the other farm dam at No. 19 (Figure 4)
- There is a vegetated flow path leading from No. 21 to No. 19 (Figure 5).
- There was no evidence of stream processes observed any of the three properties (Figures 4,5 and 6).
- By way of contrast, there is clear evidence of stream processes on the downstream property, on the opposite side of [REDACTED], i.e. an inlet channel to a wetland (Figure 7)



Figure 4: Dam wall at [REDACTED]

Figure 5: Looking downslope from dam wall at [REDACTED] to dam at [REDACTED]

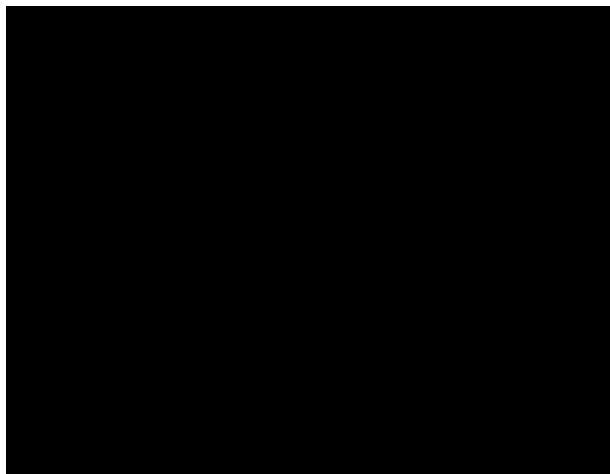


Figure 6: Outflow from dam on [REDACTED]

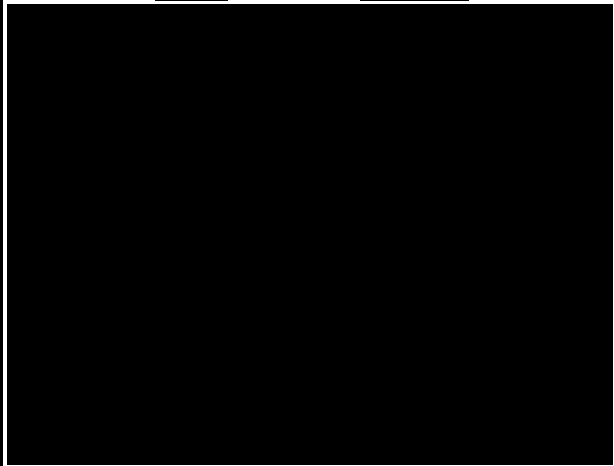


Figure 7: Inlet channel to wetland on downstream property

I conclude that the mapped 2nd Order Strahler waterway on [REDACTED] has no evidence of active stream processes. In my opinion, the mapped waterway could be extinguished and removed from the proposed zoning with no loss of waterway values.

I authorise you to use this information as the basis of a submission to NSW DPIE.

Yours faithfully,



Mal Brown
Principal | Senior Engineer
Master of Natural Resources; Bachelor of Env'tl Sci (Hons)

On behalf of Northrop Consulting Engineers Pty Ltd

Sarah Ng

From: Anthony Tavella on behalf of DPE PS ePlanning Exhibitions Mailbox
Sent: Friday, 2 October 2020 12:37 PM
To: DPE PS Biodiversity Mailbox
Subject: FW: Webform submission from: Draft Cumberland Plain Conservation Plan
Attachments: riparian-assessment-██████████-badgerys-creek-v3.pdf

From: noreply@feedback.planningportal.nsw.gov.au <noreply@feedback.planningportal.nsw.gov.au>
Sent: Friday, 2 October 2020 11:36 AM
To: DPE PS ePlanning Exhibitions Mailbox <eplanning.exhibitions@planning.nsw.gov.au>
Subject: Webform submission from: Draft Cumberland Plain Conservation Plan

Submitted on Fri, 02/10/2020 - 11:26
Submitted by: Anonymous
Submitted values are:
Submission Type: I am making a personal submission
First Name: ██████████
Last Name: ██████
Name Withheld: No
Email: ██████████
Suburb/Town & Postcode: Bringelly 2556
Submission file:
[riparian-assessment-██████████-badgerys-creek-v3.pdf](#)

Submission: SUBMISSION : DRAFT CUMBERLAND PLAINS PLAN PROPOSED E2 BOUNDARY /ZONING – ██████████
Bringelly, 2556 BASES OF SUBMISSION : - REVIEW OF PROPOSED E2 BOUNDARY – ██████████ Bringelly, 2556 (Lot ██████████ – also includes ██████████ Context/Background • We, ██████████ are the current landowners of the above mentioned property • We purchased the property in 1985 • At time of purchase the section 149 Certificate (Environment and Assessment Act 1979) clearly stated that our property is not environmentally affected by “tidal inundation nor flooding”. • Recent (September 2020) purchase of a current planning certificate under section 10.7 of the Environment Planning and Assessment Act 1979 confirms that the property is not environmentally affected by tidal inundation nor flooding. • As landowners there has been no indication prior to the receipt of the letter from the Department that our land was affected by riparian corridors as there are no signs of river, stream banks or saturated soils. all of which are indicative traits of riparian corridors. • No Department officers, that we are aware of, accessed our property to assess the land for riparian corridors. (We did give permission for ecologists to access the land to survey vegetation and wildlife habitat – no conservation issues were identified). We can only deduce that the proposed E2 zonings based on boundaries to protect the stated Level 2 Straher waterways has been determined from aerial maps only. Given the effects of these boundaries on the future development and utilization of the land, a more thorough analysis is warranted. • To support our observations, we employed the services of Mal Brown, an independent consultant with riparian management expertise, from Northrop Consulting Engineers. Report from Northrop Consulting • Attached (Appendix A) is the report from Northrop Consulting that was prepared and deduced from their aerial analysis and a thorough field inspection. • The field inspection occurred on the 19th September 2020 which confirmed no active stream processes, with a recommendation that the mapped waterway could be extinguished and removed from the proposed zoning with no loss of waterway values. We wish to have this report to be included as a part of our official submission to the Draft Cumberland Plain Planning Partnership. Outcome being sought 1. We request due consideration of the attached report along with an on the ground analysis of the property. 2. We seek to have the mapped waterway removed from the proposed zoning of our property at ██████████ Bringelly, 2556. I look forward to hearing a response from a member of your team in regards to this matter. Kind regards, ██████████

URL: <https://pp.planningportal.nsw.gov.au/draftplans/exhibition/draft-cumberland-plain-conservation-plan>