

STUARTS POINT DRAINAGE STUDY FACT SHEET

Stuarts Point Drainage Study

October 2023

Summary

Kempsey Shire Council is conducting a review of Stuarts Point's drainage system consisting of a Groundwater Study and a Stormwater Study to reduce the risk of flooding in the area.

Location

The drainage studies, as shown in Figure 1, cover the Stuarts Point, Grassy Head and Fishermans Reach area.

There is a focus on the area of Stuarts Point.

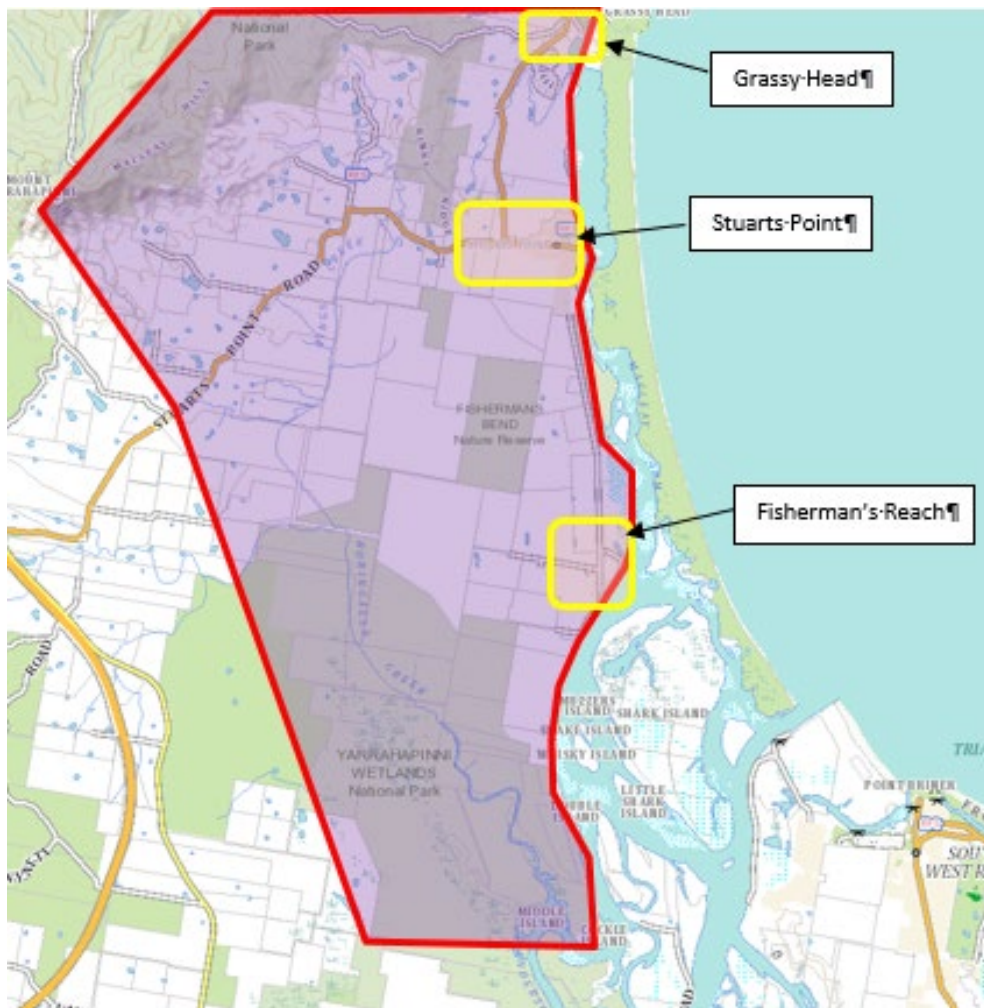


Figure 1. The approx. location of drainage study

Kempsey Shire Council acknowledges the land of the Thunggutti/Dunghutti Nation. We pay respect to Elders past and present. We acknowledge the role of emerging leaders to continue to guide us in the future. We acknowledge the Stolen Generations and the need to change practices to be inclusive. This land always was and always will be Thunggutti/Dunghutti land.



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Status

Council applied and received \$300,000 from the NSW Government's Disaster Risk Reduction Fund.

Council has engaged external consultant GHD to carry out the studies, which are nearing completion.

The studies have found a solution supported by modelling that reduces flooding in Stuarts Point.

This has progressed to conceptual designs with further refinement to occur. The conceptual design's flood reduction effectiveness can be seen in Figure 2 below.

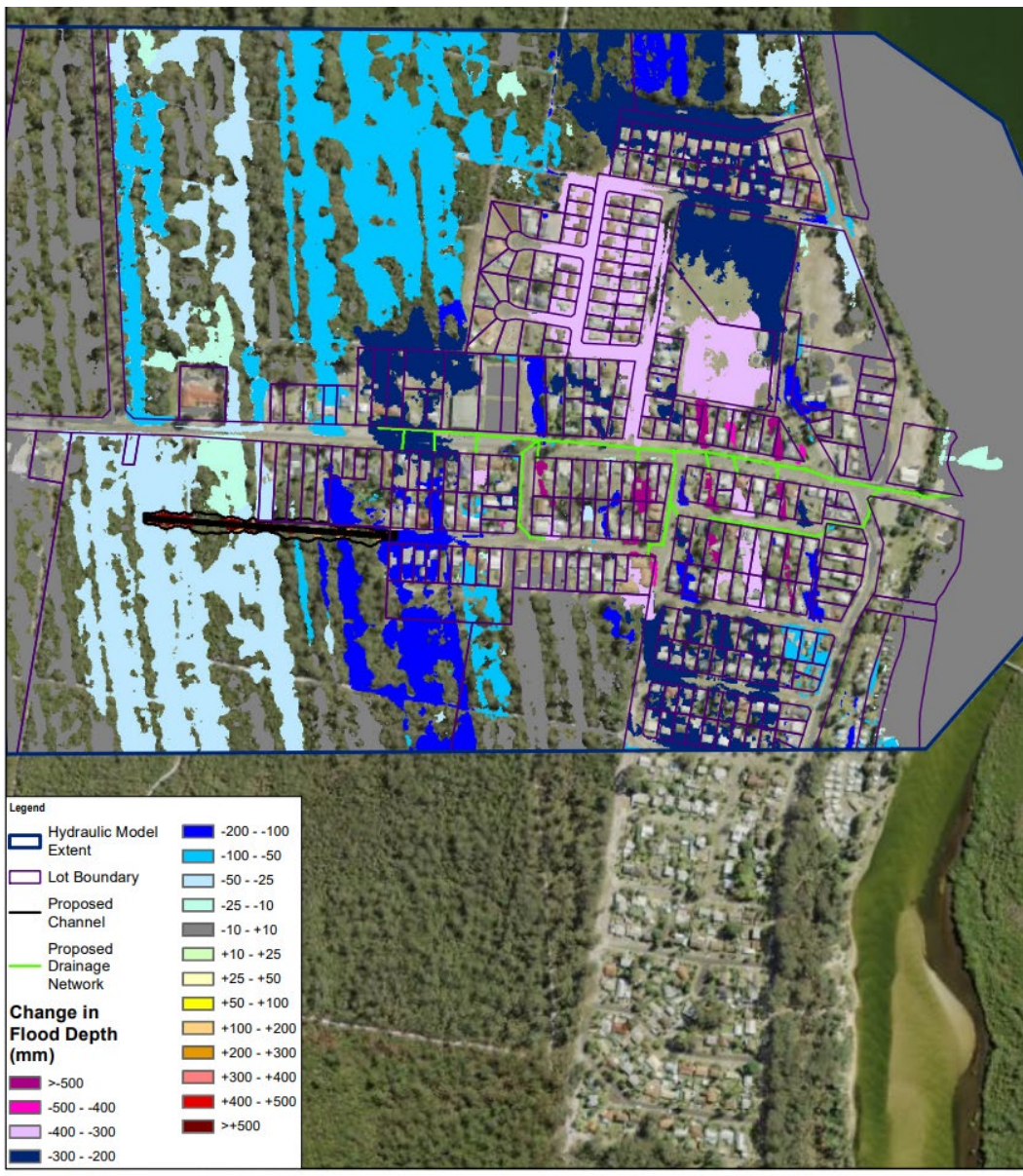


Figure 2 Modelling showing Stuarts Point Flood Reduction

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Stuarts Point Conceptual Design

- An Options Analysis was conducted to assess possible solutions to the drainage challenges. This included analysing how effective stormwater drains, pumped dewatering and stormwater pipes could be.
- Open drains, stormwater pit/stormwater pipes were identified as the preferred solution.
- Open drains to the east were not feasible due to the required depth (around 2 – 4 metres).
- Modelling of the stormwater pit and pipe network indicated a reduction in flood depths of up to approx. 500mm.



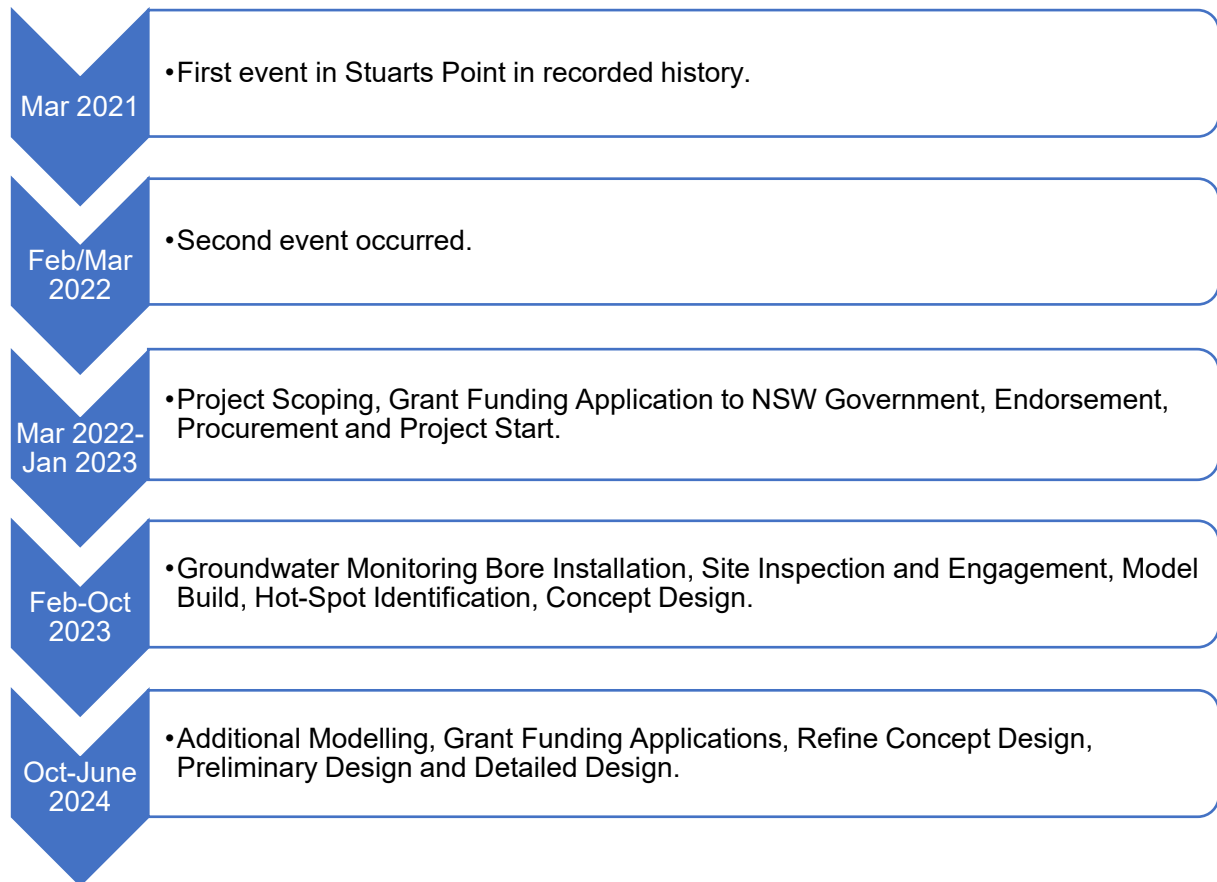
Figure 3 Stuarts Point Concept Design – Pit and Pipe Network to the East and Possible Open Drain to the West.

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Timeline & Where to from here?



Funding

GHD is currently working on determining the project's cost estimate. This project is expected to be expensive due to the complex construction challenges involving deep pipelines.

Council will be pursuing state and federal government grant opportunities to help fund the project.

More information

For more information on the Stuarts Point Drainage Study, head to <https://ksc.pub/sp-drainage> or scan the QR code.

For all other Council matters head to www.kempsey.nsw.gov.au



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