BeachStat Shell Cove Harbour South

Quarterly Update Report (September 2025)

UNSW SYDNEY

UNSW Water Research Laboratory

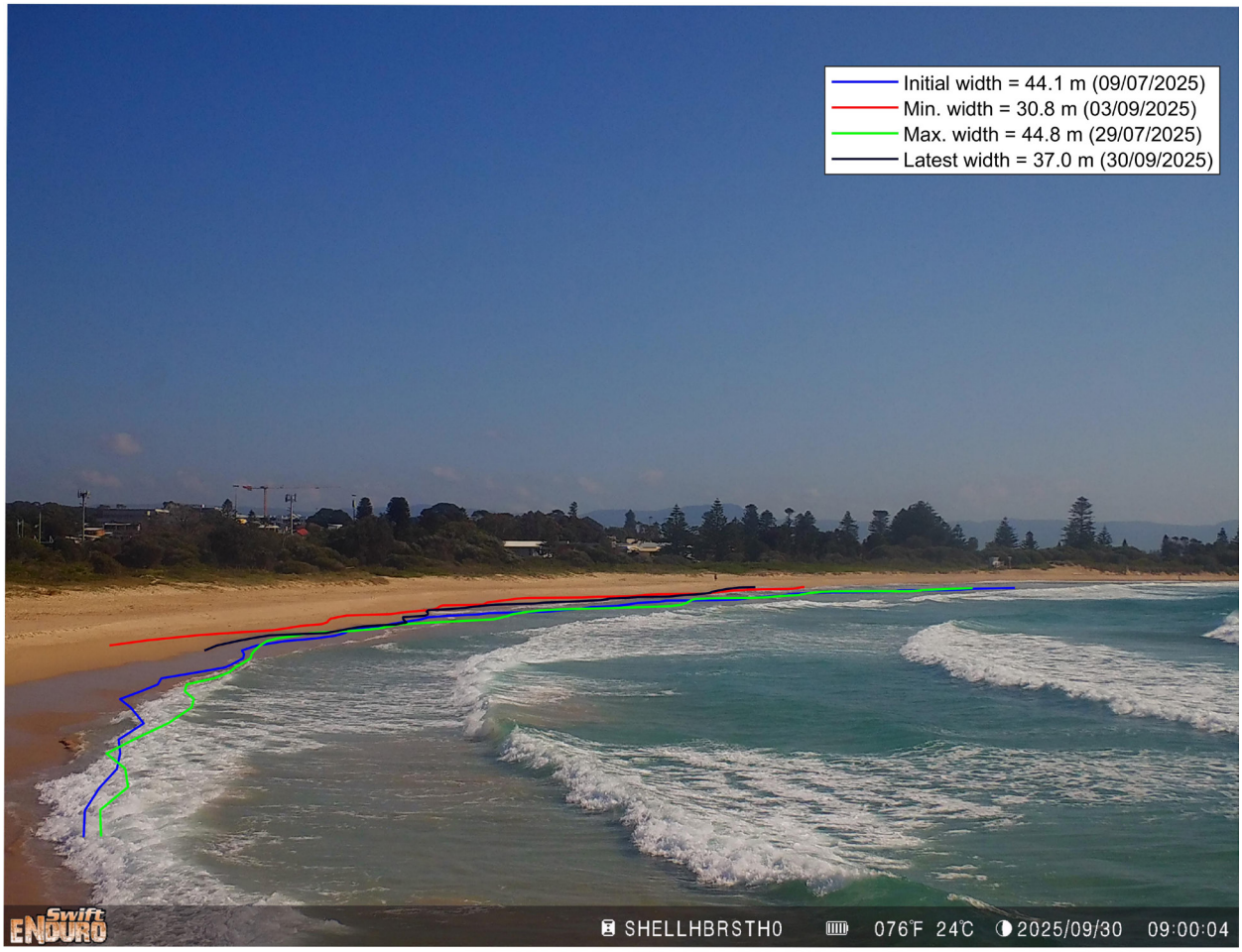
Water Research Laboratory, UNSW Sydney
School of Civil and Environmental Engineering | wrl.unsw.edu.au

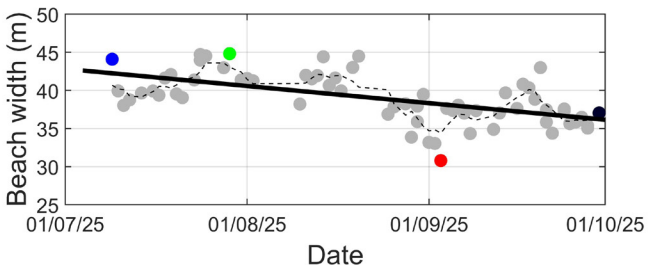
Shoreline Mapping
Last Quarter

The figure below shows the shoreline and beach width changes at Shell Cove Harbour South from July 2025 to September 2025

Shorelines are mapped using photos taken near the mid-tide level. To calculate comparable beach widths, shorelines are adjusted to the mid-tide level using the beach slope.

Beach widths are calculated by the distance from the shoreline (corrected for tidal effects within the tidal tolerance) to fixed landward benchmarks along the beach. Reported beach widths refer to alongshore-averaged values over the shoreline mapping





Beach width trend
-26.52 metres/year

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Note: the beach width trend shown in the figure refers to short-term trends over the reporting period only. This should not be used for long-term beach change analysis.

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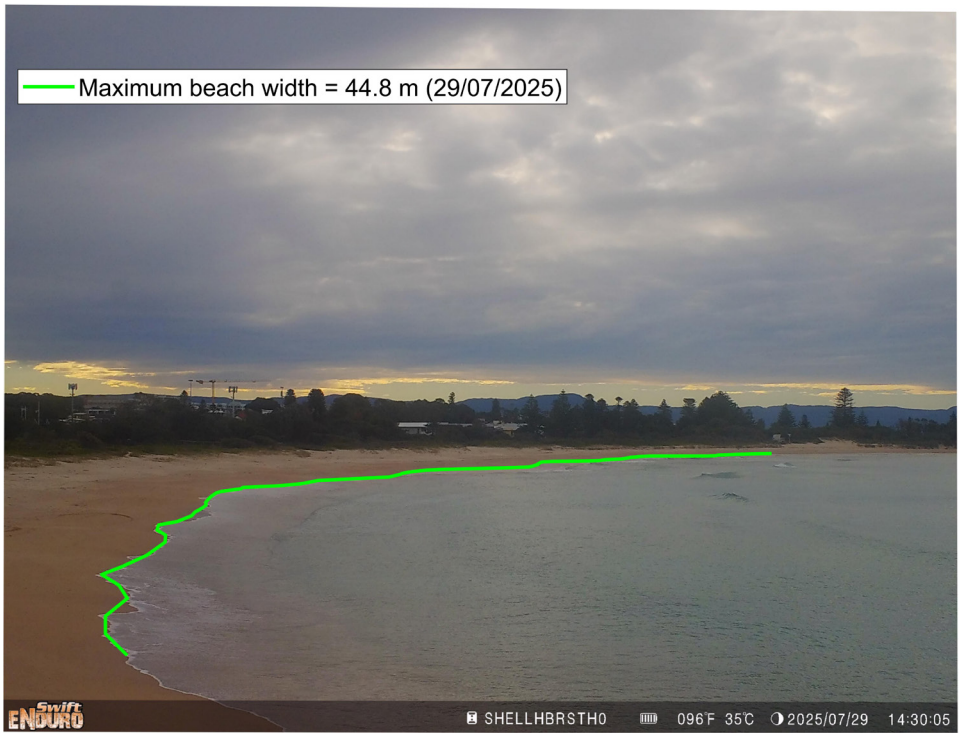
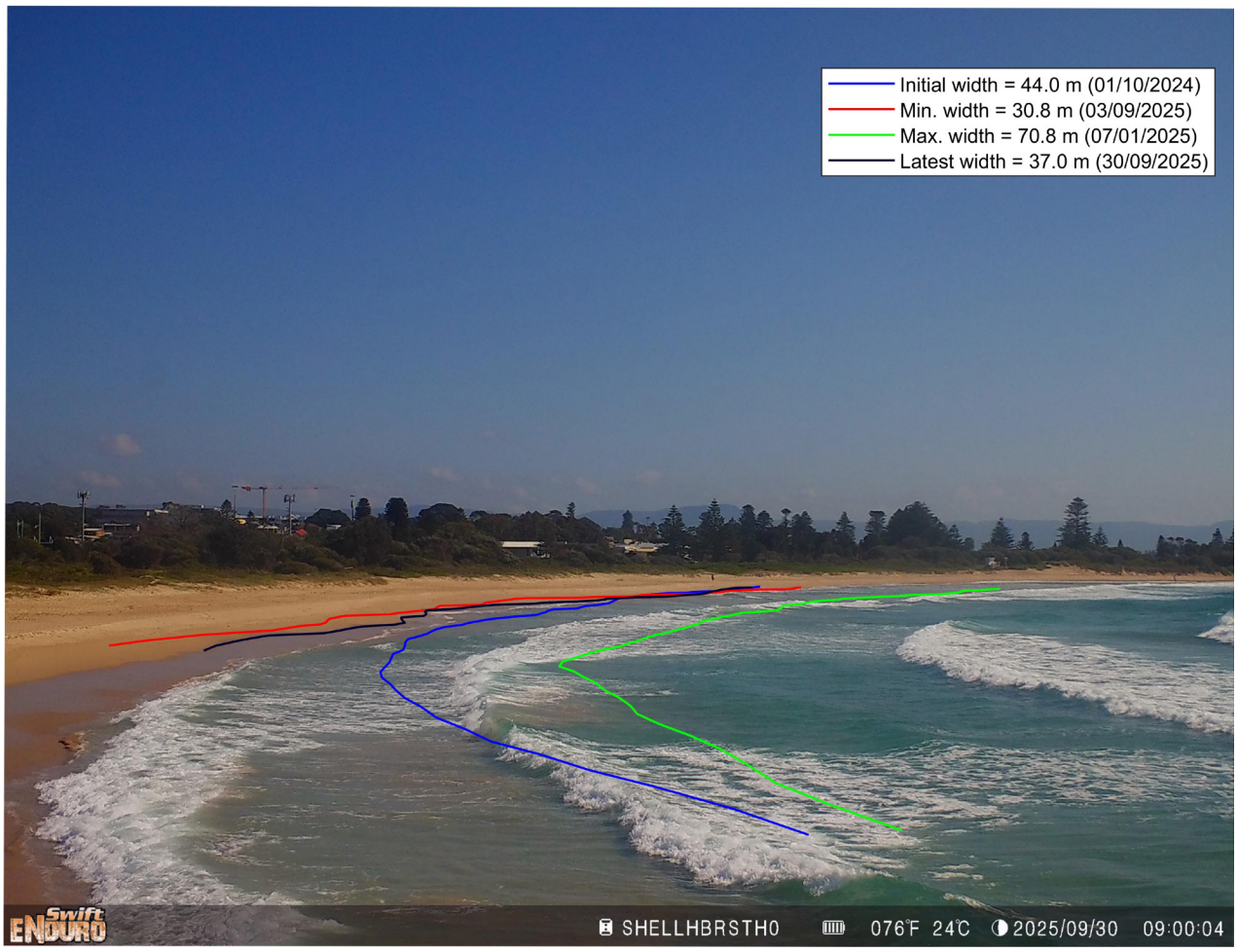
Shoreline Mapping
Last Quarter

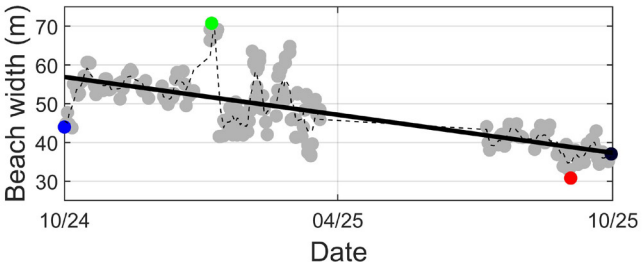
The figures below show the shorelines and images corresponding the maximum and minimum beach width over the reporting period.



Shoreline Mapping
Last 12 Months

The figure below shows the shoreline and beach width changes at Shell Cove Harbour South over the last 12 months.





Beach width trend
-19.60 metres/year

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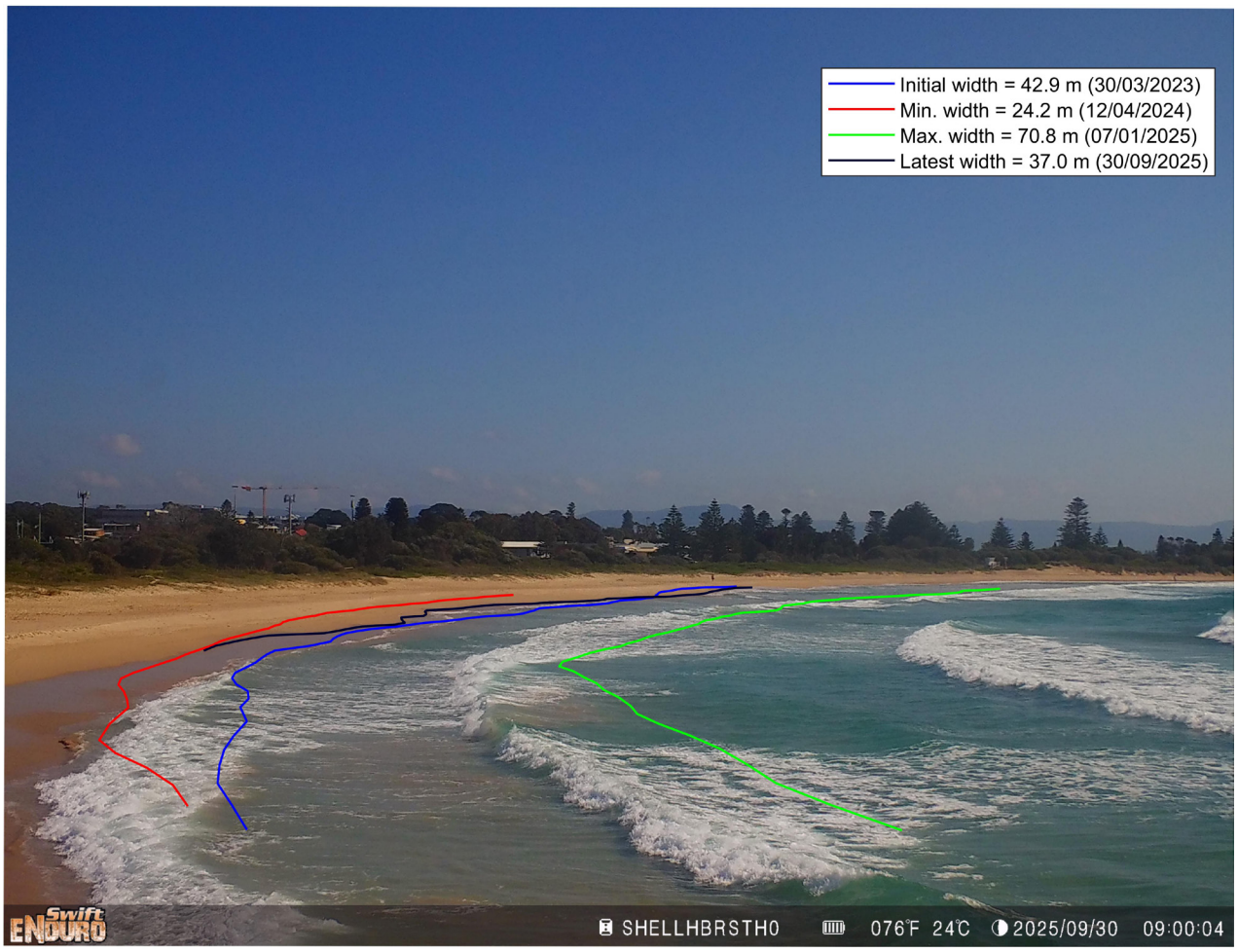
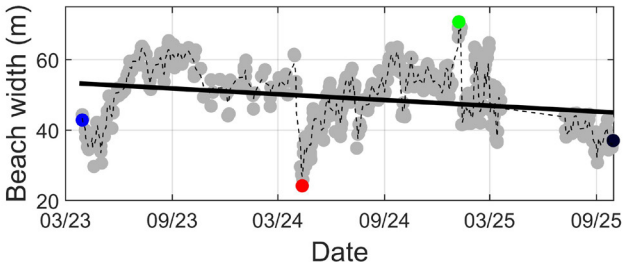
Shoreline Mapping
Since Installation

The figure below shows the shoreline and beach width changes at site since the station was installed and shoreline mapping commenced.





Beach width trend
-3.28 metres/year

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