

CoastSnap West Beach SLSC South

Quarterly Update Report (March 2025)



UNSW
Water Research
Laboratory



UNSW
SYDNEY



CoastSnap
community beach monitoring

CoastSnap | coastsnap.aus.nz@unsw.edu.au

Water Research Laboratory, UNSW Sydney

School of Civil and Environmental Engineering | wrl.unsw.edu.au



Participation Summary Since Installation



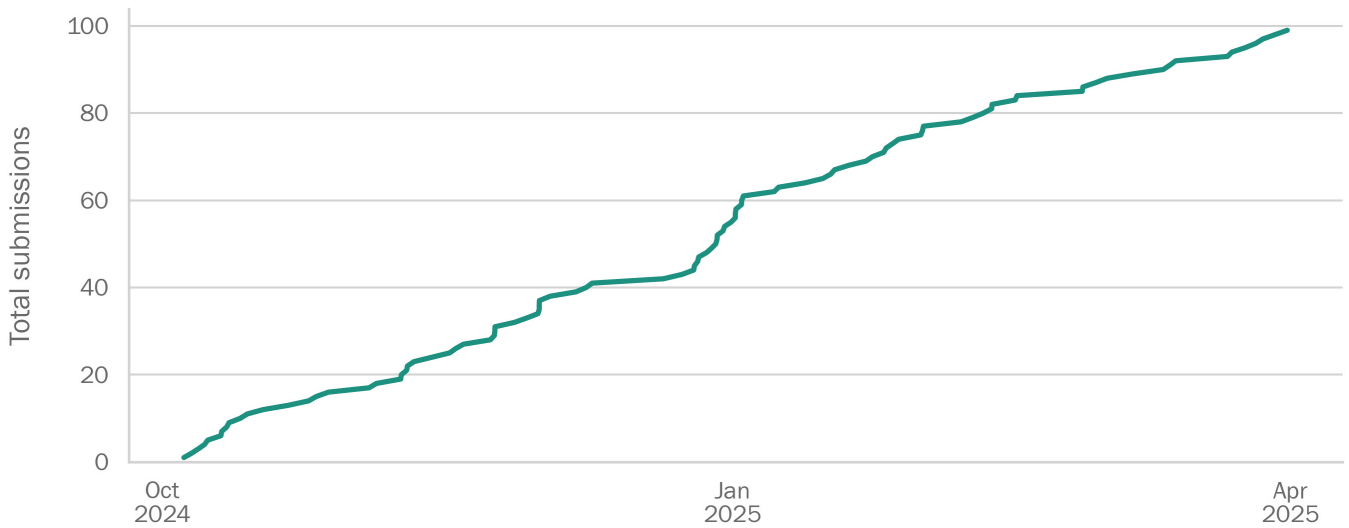
99

Total images submitted



1.5

Submission rate (per week)



Submissions Leaderboard

CoastSnap Anonymous



138



**CoastSnap
Anonymous**

Local champion



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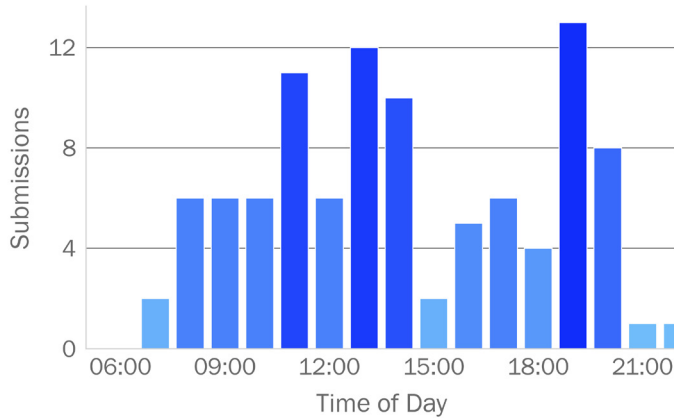
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Participation Summary Since Installation

Popular times of the day



19:00

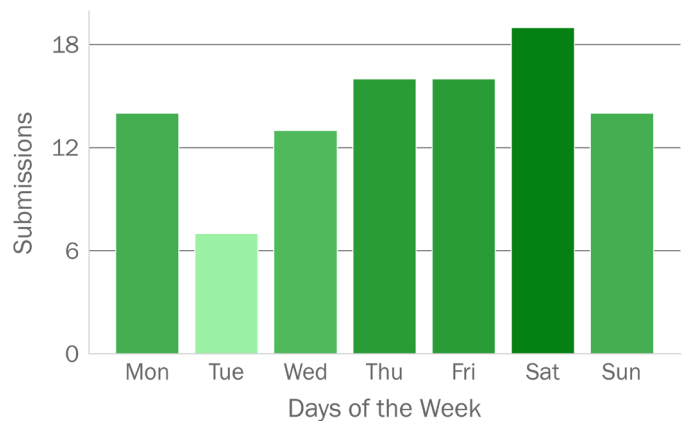
Most popular time of the day



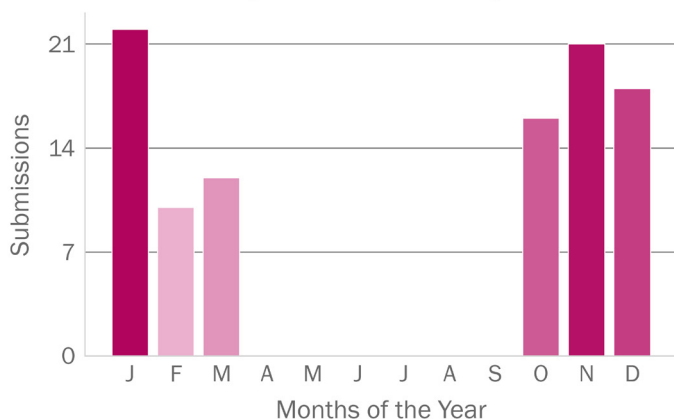
Saturday

Most popular day of the week

Popular days of the week



Popular months of the year



January

Most popular month of the year



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Shoreline Mapping

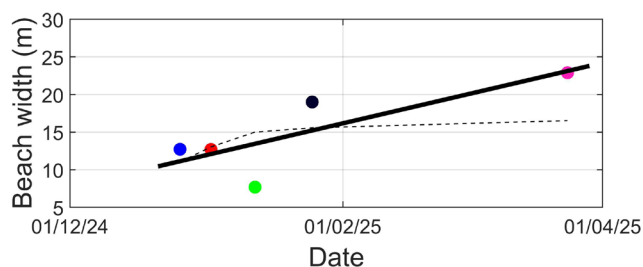
Last Quarter

The figure below shows the shoreline and beach width changes at West Beach SLSC South from January 2025 to March 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 region.

Date:2025/03/24 Time:16:49 Tide:-0.14m AHD Contributor:CoastSnap_Anonymous



Beach width trend
+49.78 metres/year



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.

Date:2025/03/24 Time:16:49 Tide:-0.14m AHD Contributor:CoastSnap_Anonymous



Date:2025/01/12 Time:16:13 Tide:-0.25m AHD Contributor:CoastSnap_Anonymous



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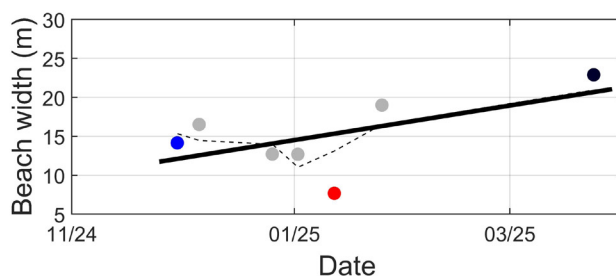
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Shoreline Mapping Since Installation

The figure below shows the shoreline and beach width changes at West Beach SLSC South since the station was installed and shoreline mapping commenced.

Date:2025/03/24 Time:16:49 Tide:-0.14m AHD Contributor:CoastSnap_Anonymous



Beach width trend
+27.44 metres/year



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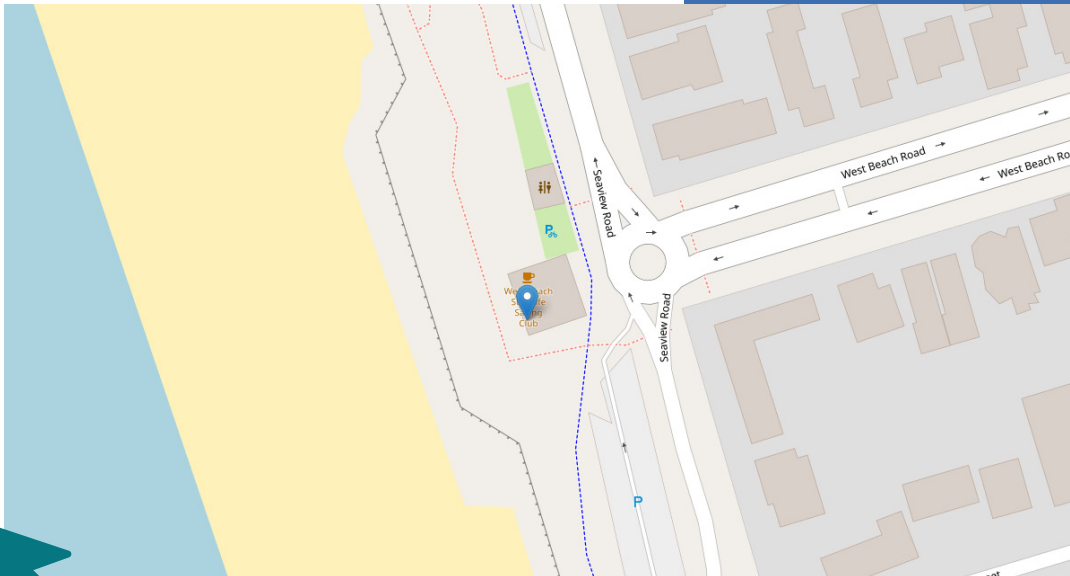
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Additional information



Click on the map to see all the photos from this CoastSnap station.



For further information, visit the CoastSnap website:
<https://www.coastsnap.com/>

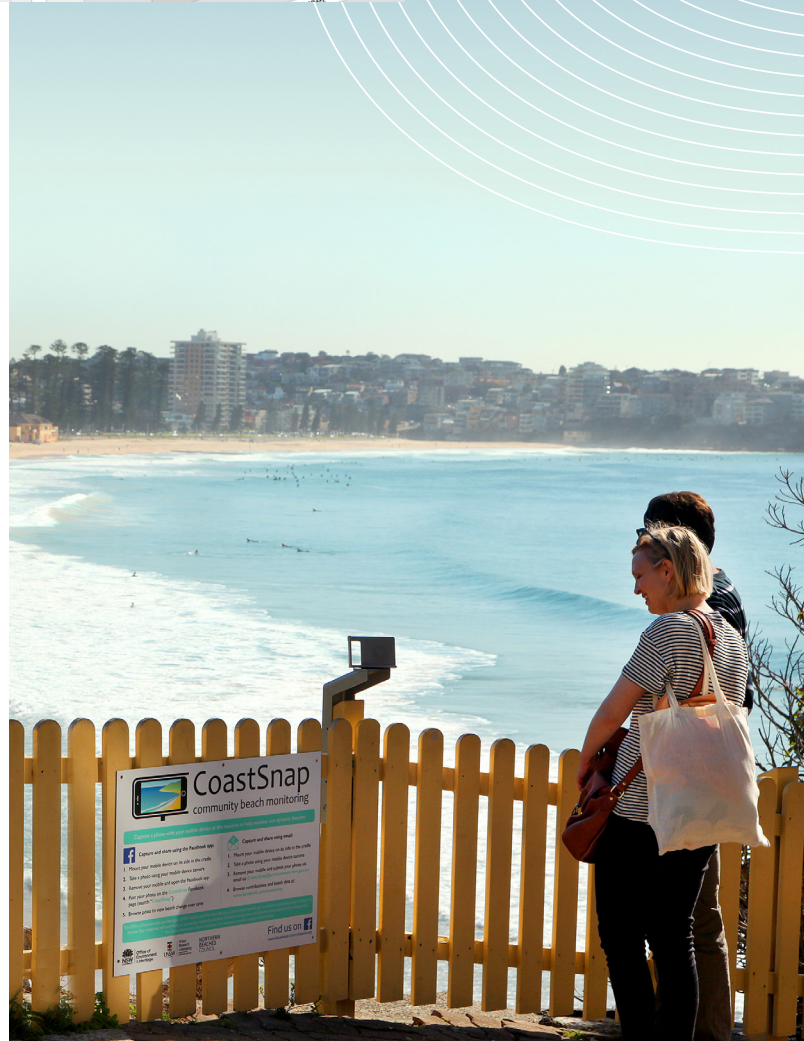
Or visit the Water Research Laboratory to see what other projects we do:
<https://www.wrl.unsw.edu.au/>

For a general overview of the CoastSnap project, please refer to the following publication that was published in a special issue on community outreach initiatives in the scientific journal *Continental Shelf Research*:

[Harley, M.D. and Kinsela, M. \(2022\) CoastSnap: A global citizen science program to monitor changing coastlines. *Continental Shelf Research*, 245, 104795. <https://doi.org/10.1016/j.csr.2022.104796>](#)

For more specific technical details about how CoastSnap images can be used by scientists and engineers to map shoreline change, please refer to:

[Harley, M.D., Kinsela, M., Sánchez-García, E. and Vos, K. \(2019\) Shoreline change mapping using crowd-sourced smartphone images. *Coastal Engineering*, 150, 175-189. <https://doi:10.1016/j.coastaleng.2019.04.003>](#)



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