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Wave Processes and Overwash Hazard on a High-Energy Rock Platform

Hosted by: Coastal, Ocean and Port Engineering Panel (COPEP)

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hours

Wave Processes and Overwash Hazard on a High-Energy Rock Platform Figure 8 Pools, Royal National Park

Rocky coastlines are frequently used for recreation; however, they are often exposed to large and hazardous waves, resulting in high risk to visitors. Traditional approaches to managing human safety in coastal settings, such as surf lifesaving clubs, are not necessarily transferable to rock platforms due to their more remote and fragmented distribution, and different recreational uses. The Figure Eight Pools rock platform in the Royal National Park south of Sydney recently experienced a dramatic increase in visitation due to social media exposure. We will present a new method for measuring wave hazards on rock platforms using a low-cost camera system, and describe the data and analysis that was used to develop and evaluate a wave overwash hazard rating system for the Figure Eight Pools rock platform. The results show that wave overwash at the site can be both dangerous and deceptive to visitors, even during low-moderate wave conditions. In response, the hazard rating system is now being developed into a live predictive web tool to assist in managing visitor safety at the site.



SPEAKERS

Dr Hannah Power, Senior Lecturer
School of Environmental and Life Sciences, University of Newcastle

Dr Michael Kinsela, Senior Scientist (Coastal & Marine)
Water, Wetlands & Coasts Science, NSW Office of Environment & Heritage

DATE & TIME

Monday 19 March 2018
6:00pm start
Refreshments from 5:30pm

VENUE

Harricks Auditorium
Ground Floor, 8 Thomas Street
Chatswood NSW 2067

CPD

Eligible for 2.0 CPD hours

FURTHER INFORMATION

Sean Garber (COPEP Secretary)
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