

NSW Blue Carbon Compatibility under 2017 Landuse

ANZLIC Metadata Element	Fields
Title	NSW Blue Carbon Compatibility under 2017 Landuse
File Identifier	
Abstract	<p>Human activities in coastal landscapes also exert both direct and indirect pressures on blue carbon (McLeod et al., 2011). Rogers et al. (2019) accounted for this pressure using land-use mapping, with the premise being that natural landscapes are more compatible with storage, preservation, and generation of blue carbon, whilst intensive land-use activities are less compatible. They proposed that this approach partly accounts for socio-economic factors that influence blue carbon. In this study, 2017 land-use mapping was reclassified based on perceived present-day compatibility with blue carbon to generate a blue carbon compatibility (BCC) raster dataset.</p> <p>McLeod, E., Chmura, G.L., Bouillon, S., Salm, R., Björk, M., Duarte, C.M., Lovelock, C.E., Schlesinger, W.H., and Silliman, B.R. (2011). A blueprint for blue carbon: toward an improved understanding of the role of vegetated coastal habitats in sequestering CO₂. <i>Frontiers in Ecology and the Environment</i> 9, 552-560.</p> <p>Rogers, K., Macreadie, P.I., Kelleway, J.J., and Saintilan, N. (2019b). Blue carbon in coastal landscapes: a spatial framework for assessment of stocks and additionality. <i>Sustainability Science</i> 14, 453-467.</p>
Purpose	<p>This project – A Coastal Wetland Restoration First Pass Prioritisation for Blue Carbon and Co-benefits in NSW was funded by the NSW Government under Initiative 2 of the Marine Estate Management Strategy 2018 – 2028 (MEMS): ‘delivering healthy coastal habitats with sustainable use and development’ (NSW Government, 2018). This output will help achieve the NSW Government’s broad vision for the NSW marine estate: A healthy coast and sea, managed for the greatest wellbeing of the community, now and into the future. It will also inform delivery of other MEMS actions and initiatives, in particular, the development of estuary specific marine vegetation strategies and prioritisation and undertaking of on ground coastal wetland rehabilitation projects that could involve the restoration of natural hydrology.</p>
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Jurisdictions	
Geographic Bounding Box	West: 219989.10 North: 6884024.73

	South: 5848551.22 East: 560702.25
Lineage	Lal, K.K. and Rogers, K. 2021. A Coastal Wetland Restoration First Pass Prioritisation for Blue Carbon and Co-benefits in NSW. Report. NSW DPI Fisheries. Parent datasets: NSW Landuse 2017
Extent	West: 219989.10 North: 6884024.73 South: 5848551.22 East: 560702.25
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