

Late Holocene mangrove dynamics of the Doce River delta, southeastern Brazil: implications for the understanding of mangrove resilience to sea-level changes and channel dynamics

Article

Supplemental Material

da Silva, F. A. B., Franca, M. C., Cohen, M. C. L., Pessenda, L. C. R., Mayle, F. E. ORCID: <https://orcid.org/0000-0001-9208-0519>, Fontes, N. A., Lorente, F. L., Buso Junior, A. A., de C. Piccolo, M., Bendassolli, J. A., Macario, K. and Culligan, N. (2022) Late Holocene mangrove dynamics of the Doce River delta, southeastern Brazil: implications for the understanding of mangrove resilience to sea-level changes and channel dynamics. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 600. 111055. ISSN 0031-0182 doi: <https://doi.org/10.1016/j.palaeo.2022.111055> Available at <https://centaur.reading.ac.uk/105939/>

It is advisable to refer to the publisher's version if you intend to cite from the work. See [Guidance on citing](#).

To link to this article DOI: <http://dx.doi.org/10.1016/j.palaeo.2022.111055>

Publisher: Elsevier

All outputs in CentAUR are protected by Intellectual Property Rights law, including copyright law. Copyright and IPR is retained by the creators or other copyright holders. Terms and conditions for use of this material are defined in the [End User Agreement](#).

www.reading.ac.uk/centaur

CentAUR

Central Archive at the University of Reading

Reading's research outputs online

Table 2. Species from the Doce River Delta and their $\delta^{13}\text{C}$ value.

Vegetation type	Division or Family	Species/genus	Growth form	$\delta^{13}\text{C}$ (VPDB)
Lake	Asparagaceae	Unidentified	Herb	-26.03
	Cannaceae	<i>Canna glauca</i>	Herb	-26.55
	Cyperaceae	<i>Eleocharis</i>	Herb	-27.08
	Fabaceae	<i>Dalbergia ecastaphyllum</i>	Shrub	-28.71
		<i>Senna sp.</i>	Shrub	-29.31
	Malpighiaceae	<i>Stigmaphyllon ciliatum</i>	Liana	-27.57
	Nymphaeaceae	<i>Nymphaea ampla</i>	Herb	-28.52
	Poaceae	<i>Paspalum</i>	Herb	-11.48
		Unidentified	Herb	-12.56
		<i>Typha domingensis</i>	Herb	-29.39
Mangrove	Combretaceae	<i>Laguncularia racemosa</i>	Tree	-27.39
		<i>Laguncularia racemosa</i>	Tree	-27.68
	Rhizophoraceae	<i>Rhizophora mangle</i>	Tree	-28.30
		<i>Rhizophora mangle</i>	Tree	-28.46
Restinga	Anacardiaceae	<i>Schinus terebinthifolia</i>	Shrub	-28.07
	Asteraceae	Unidentified	Herb	-26.42
	Boraginaceae	<i>Varronia curassavica</i>	Shrub	-30.10
	Cactaceae	<i>Cereus fernambucensis</i>	Shrub	-13.73
		<i>Cereus fernambucensis</i>	Shrub	-13.54
	Clusiaceae	<i>Clusia nemorosa</i>	Shrub	-15.42
		<i>Clusia nemorosa</i>	Shrub	-15.39
	Convolvulaceae	<i>Ipomoea imperati</i>	Herb	-24.74
		<i>Ipomoea pes-caprae</i>	Herb	-26.48
		<i>Ipomoea pes-caprae</i>	Herb	-26.53
	Fabaceae	<i>Stylosanthes guianensis</i>	Herb	-26.50
	Goodeniaceae	<i>Scaevola plumieri</i>	Shrub	-25.49
		<i>Scaevola plumieri</i>	Shrub	-24.97
	Myrtaceae	<i>Eugenia vernicosa</i>	Tree	-30.15
		<i>Eugenia vernicosa</i>	Tree	-29.99
	Nyctaginaceae	<i>Guapira pernambucensis</i>	Shrub	-27.45
	Poaceae	<i>Sporobolus virginicus</i>	Herb	-13.20
	Polygonaceae	<i>Coccoloba alnifolia</i>	Shrub	-28.04