



Acknowledgement of Country

Transport for NSW acknowledges the traditional custodians of the land on which we work and live.

We pay our respects to Elders past and present and celebrate the diversity of Aboriginal people and their ongoing cultures and connections to the lands and waters of NSW.

Many of the transport routes we use today – from rail lines, to roads, to water crossings – follow the traditional Songlines, trade routes and ceremonial paths in Country that our nation's First Peoples followed for tens of thousands of years.

Transport for NSW is committed to honouring Aboriginal peoples' cultural and spiritual connections to the lands, waters and seas and their rich contribution to society.

Document control

Authors	Maritime Spatial Information Manager
Document owner	Maritime Spatial Information Manager
Approved by	Executive Director NSW Maritime
Document number	MSaSI-G-04
Branch	NSW Maritime
Division	Coordinator General
Review date	November 2026
Superseded documents	Information Guide – Maritime Property Submitting Geospatial Data to Transport for NSW Jun 2017

Versions

Version	Amendment notes
1	First version of Guideline 19 November 2024

Geospatial Data for Transport for NSW Maritime

This guideline clarifies Transport for NSW's minimum requirements for the provision of geospatial data with respect to proposed development on land within the Maritime portfolio of Transport for NSW.

Transport for NSW requires that the site plan submitted with any application for development approval or future tenure agreement (i.e., the plan, usually in PDF format, showing the layout of proposed works in the context of existing structures, cadastral boundaries, etc.) also be supplied as a **data file** in CAD (DWG or DXF) or shapefile format.

This data file must be geo-referenced to the **Map Grid of Australia** (MGA) coordinates in **metres** on the Geocentric Datum of Australia 2020 (**GDA2020**). The lines in the file should be grouped into layers in such a way to clearly indicate which type of feature is represented by each layer.

With the data thus provided in real-world coordinates and in layers we can then proceed to extract the footprint of the proposal and load it into the Maritime geographic information system (GIS). This in turn enables us to establish the proposed occupation of Transport for NSW land and associated area to be leased or licensed, as well as view and assess the development in relation to neighbouring sites, navigation concerns, etc.

To assist with the geo-referencing to MGA2020 coordinates, proponents seeking to conduct development works or hydrographic surveys on the Transport for NSW portfolio can obtain an extract of relevant existing data from the Maritime GIS over which to overlay (transpose, scale and/or rotate) their own project/design layouts. However, please note that the Maritime GIS has been compiled over many years from multiple sources with data captured at different scales, resolutions and positional accuracies. Consequently, no representation regarding positional accuracy, currency, completeness or suitability of the Maritime GIS datasets for any particular purpose is made.

For further information and data requests, please email mapping.maritime@transport.nsw.gov.au.

Other guidelines related to Maritime Survey and Spatial Information are available at <https://www.transport.nsw.gov.au/operations/roads-and-waterways/waterways/assets-and-environment/maritime-survey-and-spatial>

Important Note: This document does not constitute legal advice and provides guidance only. Users are advised to seek professional advice and refer to the relevant legislation as necessary, before taking action in relation to any matters covered by this document.

© State of NSW through Transport for NSW www.transport.nsw.gov.au

Version – November 2024

Disclaimer: While every reasonable effort has been made to ensure that this document is correct at the time of publication, the State of New South Wales, its agencies, and employees, disclaim any and all liability to any person in respect of anything, or the consequences of anything, done or omitted to be done in reliance upon the whole or any part of this document.