

Maritime NSW Port Security Zone

June 2025

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.

Table of Contents

- 1. **Definitions.....4**
- 2. **Maritime NSW Port Security Zone.....4**
- 3. **Data Structure5**
 - 3.1 Port Security Zone API5
 - 3.1.1 Sample API Feed.....6
 - 3.2 Sample CSV Feed.....7
 - 3.3 Sample JSON Feed8
 - 3.4 Interactive Map.....9

Document control

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Versions

Version	Amendment notes
v2.0	Inclusion of metadata for Spatial datasets and updated ODI template

1. Definitions

Term	Definition
csv	(Comma-Separated Values): A plain text file format used to store tabular data, where each line represents a row and columns are separated by commas.
geoJSON	A JSON-based format used to encode geographic data structures such as points, lines, and polygons.
GIS	(Geographic Information System): A system used to collect, manage, analyse, and visualise spatial or geographic data, often used for mapping and decision-making.
JSON	(JavaScript Object Notation): A lightweight data format used for storing and exchanging structured data, commonly used in web applications.
kml	(Keyhole Markup Language): An XML-based file format used to display geographic data in mapping software like Google Earth.
shapefile	A widely used geospatial vector data format for geographic information system (GIS) software, typically containing points, lines, or polygons and associated attributes.

2. Maritime NSW Port Security Zone

This dataset provides areas of restricted waters for port security or naval purposes. Dataset formats include:

- API
- csv
- geoJSON
- JSON
- kml
- shapefile

The dataset also includes an interactive map which allows for simple querying of the data and provides a visualisation of the locations.

Data is refreshed on a weekly basis.

3. Data Structure

3.1 Port Security Zone API

Field Name	Data Type	Field Description
DESCRIPTION	String	Description of the feature
PUBLISH_DATE	Date	Date data last updated as Open Data
REF_ID	Number	Unique feature identifier

3.1.1 Sample API Feed

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "MultiPolygon",
        "coordinates": [
          [
            [
              [
                151.192163,
                -33.979151
              ],
              [
                151.199476,
                -33.977833
              ],
              [
                151.200732,
                -33.98268
              ],
              [
                151.193419,
                -33.983998
              ],
              [
                151.192163,
                -33.979151
              ]
            ]
          ]
        ]
      }
    }
  ]
}
```

3.2 Sample CSV Feed

NOTICE				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Vessels limited to max height of 12.2 metres				
Vessels limited to max height of 18.3 metres				
Vessels limited to max height of 18.3 metres				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Waterside restricted zone at maritime security level 1				
Naval waters restricted zone				
Vessels limited to max height of 12.2 metres				
Naval waters restricted zone				

3.3 Sample JSON Feed

```
[
  {
    "json_featuretype": "Maritime_Port_Security_Zone",
    "NOTICE": "Waterside restricted zone at maritime security level 1",
    "json_ogc_wkt_crs": "PROJCS[\"GDA2020 / NSW  
Lambert\",GEOGCS[\"GDA2020\",DATUM[\"Geocentric_Datum_of_Australia_2020\",SPHEROID[\"GR  
S  
1980\",6378137,298.257222101,AUTHORITY[\"EPSG\",\"7019\"],AUTHORITY[\"EPSG\",\"1168\"],PRI  
MEM[\"Greenwich\",0,AUTHORITY[\"EPSG\",\"8901\"],UNIT[\"degree\",0.0174532925199433,AUTH  
ORITY[\"EPSG\",\"9122\"],AUTHORITY[\"EPSG\",\"7844\"],PROJECTION[\"Lambert_Conformal_Coni  
c_2SP\"],PARAMETER[\"latitude_of_origin\",-  
33.25],PARAMETER[\"central_meridian\",147],PARAMETER[\"standard_parallel_1\",-  
30.75],PARAMETER[\"standard_parallel_2\",-  
35.75],PARAMETER[\"false_easting\",9300000],PARAMETER[\"false_northing\",4500000],UNIT[\"me  
tre\",1,AUTHORITY[\"EPSG\",\"9001\"],AXIS[\"Easting\",EAST],AXIS[\"Northing\",NORTH],AUTHORIT  
Y[\"EPSG\",\"8058\"]]",
    "json_geometry": {
      "type": "Polygon",
      "coordinates": [
        [
          [ 9687071.7101328932, 4426643.7314112466 ]
        ]
      ]
    }
  }
]
```


3.4 Interactive Map

