

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.

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Document control

Authors	Data & Apps Program Lead, Open Data & Innovation
Document owner	Director, Maritime Insights & Operational Coordination
Approved by	Director, Maritime Insights & Operational Coordination, NSW Maritime
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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 Web Camera

This dataset provides locations of Maritime web cameras, including links to the Transport for NSW website for viewing of live feeds. Dataset formats include:

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

The dataset also includes an interactive map which allows for simple querying of the data, provides a visualisation of the locations and links to the live web camera feed.

Data is refreshed on a weekly basis.

3. Data Structure

3.1 Web Camera API

Field Name	Data Type	Field Description
Link	String	Public web page for the web camera
LOCATION	String	Location of the web camera
LIVE_FEED	String	URL to live video feed
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": "Point",
        "coordinates": [
          148.707881,
          -36.040832
        ]
      },
      "properties": {
        "cartodb_id": 330,
        "crc": "7D3D3518116B30B1",
        "link": "https://roads-waterways.transport.nsw.gov.au/maritime/using-waterways/conditions/web-cameras/eucumbene.html",
        "location": "Lake Eucumbene",
        "publish_date": 20240810,
        "ref_id": 4,
        "live_feed": "https://widget.coastalcoms.com/video/ee7e9e78-c228-4868-864c-8e8477a195c4"
      }
    },
  ],
}
```

3.2 Sample CSV Feed

LOCATION	LINK	WEB_CAM	LIVE_FEED
Merimbula	https://roads-wat	1	https://widget.coastalcoms.com/video/3d3a9ea9-8000-4d4e-9e87-5de98f2a15e0
Bermagui	https://roads-wat	2	https://widget.coastalcoms.com/video/afdc038f-b8f6-466d-be38-a561260a45cb
Shoal Bay - Port Stephens	https://roads-wat	3	https://widget.coastalcoms.com/video/364ee26f-ad27-4713-93dd-fc0f849541e
Lake Eucumbene	https://roads-wat	4	https://widget.coastalcoms.com/video/ee7e9e78-c228-4868-864c-8e8477a195c4
South West Rocks	https://roads-wat	5	https://widget.coastalcoms.com/video/4331f3b4-3583-4bfa-b4b0-9b65c3a820dc
South West Rocks - Macleay River	https://roads-wat	6	https://widget.coastalcoms.com/video/ea2bf350-48d7-4017-b8d9-29a24da1785f
Nambucca Heads	https://roads-wat	7	https://widget.coastalcoms.com/video/1dbb0315-6607-4e07-9aed-00a6bd269915
Coffs Harbour	https://roads-wat	8	https://widget.coastalcoms.com/video/c84385c2-10bb-499b-9c23-0542bff3210c
Camden Haven	https://roads-wat	9	https://widget.coastalcoms.com/video/f4dfde16-760e-4a34-b455-43519186eeeb
Port Macquarie	https://roads-wat	10	https://widget.coastalcoms.com/video/7c3cc779-daa6-48e6-9eed-c102efd59038
Narooma	https://roads-wat	11	https://widget.coastalcoms.com/video/fe86b545-d2c7-480d-9842-1f0e8f31dab8
Moruya	https://roads-wat	12	https://widget.coastalcoms.com/video/4fca2d26-c6af-493a-9f22-b2b2dac9b803
Batemans Bay	https://roads-wat	13	https://widget.coastalcoms.com/video/4497b0d4-769e-4084-9e18-0bf1a46203bd
Sussex Inlet	https://roads-wat	14	https://widget.coastalcoms.com/video/fd63fb0e-1846-457f-9594-90f54b037b99
Brunswick Heads	https://roads-wat	15	https://widget.coastalcoms.com/video/db6bcc9-545e-4575-95ee-a5b1d4786f63
Tweed Heads	https://roads-wat	16	https://widget.coastalcoms.com/video/ebe03351-5116-4987-9e59-52776a7b3af2
Iluka/Yamba	https://roads-wat	17	https://widget.coastalcoms.com/video/26f42761-cece-45f3-94c8-5edb9508dee1
Evans Head	https://roads-wat	18	https://widget.coastalcoms.com/video/a7e20076-4e9e-4239-8529-ee3389a718ad
Ballina	https://roads-wat	19	https://widget.coastalcoms.com/video/76818de6-1bc6-44d2-943a-3a905ee9c132
Swansea	https://roads-wat	20	https://widget.coastalcoms.com/video/5bb0d918-2423-4b5c-9840-c6599108523e
Tweed Heads entrance	https://roads-wat	22	https://widget.coastalcoms.com/video/6321b2c5-7545-49d1-83b3-a10fd2c8926b
Forster	https://roads-wat	21	https://widget.coastalcoms.com/video/2bb39d41-38bd-4808-9c52-d4fee1525d0b
Cudgen	https://roads-wat	23	https://widget.coastalcoms.com/video/73a52fac-d291-42be-a1f1-dd859c5dd28f

3.3 Sample JSON Feed

```
[
  {
    "json_featuretype": "Maritime_Web_Camera",
    "LOCATION": "Merimbula",
    "LINK": "https://roads-waterways.transport.nsw.gov.au/maritime/using-
waterways/conditions/web-cameras/merimbula.html",
    "WEB_CAMERA_ID": 1,
    "LIVE_FEED": "https://widget.coastalcoms.com/video/3d3a9ea9-8000-4d4e-9e87-
5de98f2a15e0",
    "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": "Point",
      "coordinates": [ 9560418.9825044125, 4092805.8693793882 ]
    }
  },
]
```

3.4 Interactive Map

