1.　Dataset name

NSW Boating Ramps

2.　Custodian

Infrastructure and Geospatial Services, Maritime, Roads and Maritime Services NSW
mapping.maritime@rms.nsw.gov.au

3.　Dataset overview

3.1.　Introduction

The Boat ramps map (NSW) is a map based web application that allows you to browse and search for available boat ramps located across NSW waterways.

The map provides the locations of the boat ramps along with details such as the responsible authority, ramp condition, contact details and the different facilities (e.g. toilets, fuel, BBQ facilities, etc.) that are available at each boat ramp.

The information displayed in the Boat ramps map is available as a dataset and searchable API for use by public and industry.

3.2.　Data quality and suitability

3.2.1.　Accuracy and suitability

This data is not intended to be used for navigational purposes. Although every effort has been made to ensure the quality of the data, NSW Roads and Maritime Services cannot guarantee the accuracy of the data and does not accept responsibility for any consequences arising from its use.

3.2.2.　Geographic detail

Data covers the following geographic area(s): State

Data is available at the following levels of geography: Locality (Suburb), Postcode, Street Address, Waterway Name

3.2.3.　Reference period

Period for which the data was obtained: 01/01/2006 – ongoing

3.2.4.　Timing

Updates and revisions: If errors are identified data is revised and the revision is publicised.
The data became available (i.e. released or published) in September 2017.

4. Dataset description

4.1. Boat Ramps

This table provides information relating to the geographical location of each boat ramp including a description of the boat ramp along with the facilities that are provided at each location.

Table name: boat_ramps

Variable name	Data type	Value definition	Domain values
THE_GEOM	Geometry	WGS84 Point Geometry	
BOAT_RAMP_ID	Number	Unique boat ramp ID	
BOAT_RAMP_NAME	String	Name of the boat ramp	
ASSET_OWNER	String	Authority responsible for managing and maintaining the boat ramp, typically the local council.	
CAR_TRAILER_SPACE	String	Number of car and/or trailer spaces that are available for use at or near the boat ramp. 'Unconfirmed' indicates that this information is currently unavailable. 'Informal' means there are no marked parking spaces.	
CONDITION	String	The last recorded condition of the boat ramp.	Refer to 5.1
CONSTRUCTION_MATERIAL	String	Construction material of the boat ramp.	Refer to 5.2
CONTACT_NUMBER	String	The contact number of the authority responsible for managing the boat ramp.	
HAS_BBQ	Boolean	Indicates whether BBQ facilities are available at or near the boat ramp. 0: No 1: Yes	
HAS_FISH_CLEAN_TABLE	Boolean	Indicates whether fish cleaning tables are available at or near the boat ramp. 0: No 1: Yes	
HAS_FUEL	Boolean	Indicates whether a fuel refilling station is available at or near the boat ramp. 0: No 1: Yes	
HAS_KIOSK	Boolean	Indicates whether a kiosk is present at or near the boat ramp. 0: No 1: Yes	
HAS_LIGHTING	Boolean	Indicates whether lighting is present at the boat ramp. 0: No 1: Yes	
HAS_PONTOON_NEARBY	Boolean	Indicates whether a pontoon is in the vicinity of the boat ramp. 0: No 1: Yes	
HAS_RAMP_PONTOON	Boolean	Indicates whether a pontoon is adjacent to the boat ramp. 0: No 1: Yes	
HAS_TOILET	Boolean	Indicates whether toilets are available at or near the boat ramp. 0: No 1: Yes	
HAS_WASTE_BIN	Boolean	Indicates whether waste bins are available at or near the boat ramp. 0: No 1: Yes	
IS_FEE_PAYABLE	Boolean	Indicates whether there is a fee payable to access the boat ramp. 0: No 1: Yes	

NUMBER_OF_RAMP_LANES	String	The number of ramp lanes available at the boat ramp. A value of 'Informal' indicates that a dedicated boat ramp is not available.	
POSTCODE	Number	The postcode in which the boat ramp is located.	
STATE	String	The state in which the boat ramp is located. Although this dataset is for NSW, there are several boat ramps located along the NSW/VIC border which are technically located in VIC.	
STREET	String	The street address at which the boat ramp is located.	
SUBURB	String	The suburb in which the boat ramp is located.	
WATERWAY_ACCESS	String	A description of when users are permitted to use the boat ramp.	Refer to 5.3
WATERWAY_NAME	String	The name of the waterway in which the boat ramp is located.	

5.   Dataset domain values

5.1.   Condition

The last recorded condition of the boat ramp.

Code
GOOD
FAIR
POOR
UNKNOWN

5.2.   Construction Material

The material in which the ramp has been constructed form.

Code
Concrete
Unsealed
Sand
Bitumen
Timber
Aluminium
Asphalt
Not Provided

5.3.   Waterway Access

A description of when users are permitted to use the boat ramp.

Code
All Times
Shallow At Times
High Tide Only
Mid to High Tide Only
Monday – Sunday: 7:00-20:30
Passive Craft Only
Daylight Hours Only
Emergency Only
High Dam Level
Low Dam Level
Unknown

6.   Usage Examples

Example 1

Request the names and geographic location which include toilet and BBQ facilities and do not have a payable fee.

Request

```
SELECT boat_ramp_name, the_geom
FROM boat_ramps
WHERE has_toilet = 1 AND has_bbq = 1 AND is_fee_payable = 0
ORDER BY boat_ramp_name
```

Response

```
{
    "rows": [{
        "boat_ramp_name": "5 Mile reserve (Murray Valley Regional Park) - Murray River",
        "the_geom": "0101000020E6100000332108AC1C16624055C73090A00842C0"
    }, {
        "boat_ramp_name": "Andrews Reserve Boat Ramp, Taree",
        "the_geom": "0101000020E61000007C6E38E9590D6340864F37BC93EE3FC0"
    }, {
        "boat_ramp_name": "Apex Park Boat Ramp",
        "the_geom": "0101000020E610000031AC0AB69119634000047D4831A83FC0"
    },
    ...
    ,{
        "boat_ramp_name": "Yarrawonga Caravan Park - Vic Side",
        "the_geom": "0101000020E6100000A4062809E83F6240D034DDA44F0142C0"
    }],
    "time": 0.017,
    "fields": {
        "boat_ramp_name": {
            "type": "string"
        },
        "the_geom": {
            "type": "geometry"
        }
    },
    "total_rows": 167
}
```

Example 2

Return all boat ramps and associated information within 5km of a given location in Parramatta (WGS84 - 33.816228, 150.999919) and export to a named GeoJSON file.

Request

```
SELECT *
FROM boat_ramps
WHERE ST_DWithin(the_geom, ST_MakePoint(150.999919,-33.816228)::geography, 5000)
&format=GEOJSON&filename=BoatRampsWithin10kmParramatta
```

Response

```
{
        "type": "FeatureCollection",
        "features": [{
                "type": "Feature",
                "geometry": {
                        "type": "Point",
                        "coordinates": [151.051472, -33.824714]
                },
                "properties": {
                        "cartodb_id": 491,
                        "has_bbq": 0,
                        "boat_ramp_id": 476,
                        "car_trailer_space": "Unconfirmed",
                        "condition": "GOOD",
                        "construction_material": "Concrete",
                        "contact_number": "02 9735 1222",
                        "boat_ramp_name": "Silverwater Park",
                        "is_fee_payable": 0,
                        "has_fish_clean_table": 0,
                        "has_fuel": 0,
                        "has_kiosk": 0,
                        "has_lighting": 0,
                        "number_of_ramp_lanes": "2",
                        "postcode": 2128,
                        "has_pontoon_nearby": 1,
                        "has_ramp_pontoon": 0,
                        "state": "NSW",
                        "street": "Clyde Street",
                        "suburb": "Silverwater",
                        "has_toilet": 1,
                        "has_waste_bin": 0,
                        "waterway_name": "Parramatta River",
                        "waterway_access": "All Times",
                        "asset_owner": "Auburn City Council"
                }
        }]
}
```

Example 3

Return all boat ramps and associated information within the Lake Macquarie waterway and export to a name CSV file.

Request

```
SELECT *
FROM boat_ramps
WHERE waterway_name = 'Lake Macquarie'
&format=CSV&filename=BoatRampsAlongLakeMacquarie
```

Response/Output

	A cartodb_	B the_geom	C the_geom	D has_bbq	E boat_ram	F car_traile	G condition	H constructi	I contact_n	J boat_ram	K is_fee_pa	L has_fish_	M has_fuel	N has_kiosl	O has_light	P number_c	Q postcode	R has_pont
2	1	010100002	010100002	1	54	Nov-20	GOOD	Concrete	02 4921 0	Bolton Po	0	0	0	0	0	1	2283	1
3	2	010100002	010100002	1	575	Nov-20	GOOD	Concrete	02 4921 0	Memorial	0	1	0	0	1	2	2267	1
4	11	010100002	010100002	0	621	Nov-20	GOOD	Concrete	02 4359 1	Ruttleys F	0	0	0	0	0	2	2259	0
5	24	010100002	010100002	1	578	Nov-20	GOOD	Concrete	02 4921 0	Eleebana	0	1	0	0	1	2	2282	0
6	38	010100002	010100002	0	15	Nov-20	GOOD	Concrete	02 4921 0	Balcolyn	0	0	0	0	1	2	2264	0
7	48	010100002	010100002	0	73	0-10	FAIR	Concrete	02 4921 0	Browns B	0	0	0	0	0	1	2281	0
8	65	010100002	010100002	1	547	0-10	GOOD	Concrete	02 4350 5	Toronto M	0	0	0	1	1	2	2283	1
9	149	010100002	010100002	0	511	Unconfirm	GOOD	Concrete	02 4921 0	Swansea	0	1	0	0	1	3	2281	0
10	152	010100002	010100002	0	463	0-10	GOOD	Concrete	02 4921 0	Secret Ba	0	1	0	0	1	1	2283	1
11	199	010100002	010100002	0	477	0-10	GOOD	Concrete	02 4921 0	Skye Poin	0	1	0	0	1	1	2283	0
12	237	010100002	010100002	0	150	Nov-20	GOOD	Concrete	02 4921 0	Dora Cree	0	1	0	0	1	2	2264	0
13	258	010100002	010100002	1	90	21-50	GOOD	Concrete	02 4921 0	Cams Wh	0	1	0	0	1	2	2281	0
14	269	010100002	010100002	1	101	0-10	GOOD	Concrete	4350 5555	Chain Val	0	0	0	0	1	1	2259	1
15	270	010100002	010100002	1	470	Nov-20	FAIR	Concrete	02 4921 0	Shingle S	0	0	0	0	0	1	2264	0
16	271	010100002	010100002	1	113	21-50	GOOD	Concrete	02 4921 0	Cockle Cre	0	1	0	0	1	3	2284	1
17	281	010100002	010100002	0	574	0-10	GOOD	Concrete	02 4921 0	Wangi Wa	0	0	0	0	1	1	2267	1
18	304	010100002	010100002	0	149	0-10	FAIR	Concrete	4350 5555	Diamond	0	0	0	0	0	1	2259	0
19	317	010100002	010100002	1	222	Nov-20	GOOD	Concrete	02 4350 5	Gamban I	0	1	0	0	1	2	2259	1
20	320	010100002	010100002	0	55	Nov-20	GOOD	Concrete	02 4921 0	Bonnells	0	1	0	0	1	2	2264	0
21	336	010100002	010100002	1	200	0-10	POOR	Concrete	4351 5555	Summerla	0	0	1	0	0	1	2259	1
22	343	010100002	010100002	0	504	Nov-20	GOOD	Concrete	02 4921 0	Styles Poi	0	0	0	0	1	2	2267	1
23	348	010100002	010100002	0	505	Nov-20	GOOD	Concrete	02 4921 0	Sunshine	0	1	0	0	1	1	2264	0
24	351	010100002	010100002	1	306	Unconfirm	POOR	Concrete	02 4921 0	Wangi Fo	0	0	0	0	1	2	2280	0
25	358	010100002	010100002	0	343	Nov-20	GOOD	Concrete	02 4921 0	Marmong	0	1	1	1	1	1	2284	0
26	366	010100002	010100002	1	97	21-50	GOOD	Concrete	02 4921 0	Rathmine	0	0	0	0	0	6	2283	1
27	367	010100002	010100002	1	701	Nov-20	FAIR	Concrete	02 4921 0	Balcolyn	0	0	0	0	0	1	2264	0
28	387	010100002	010100002	0	45	21-50	GOOD	Concrete	02 4921 0	Blacksmit	0	0	0	0	0	2	2281	0
29	439	010100002	010100002	0	127	21-50	GOOD	Concrete	02 4921 0	Thomas H	0	1	0	0	1	3	2281	0
30	477	010100002	010100002	1	700	Nov-20	FAIR	Concrete	02 4921 0	Balcolyn	0	0	0	0	0	1	2264	0
31	483	010100002	010100002	0	654	Nov-20	GOOD	Concrete	02 4350 5	Mulloway	0	0	0	0	0	1	2259	1
32	507	010100002	010100002	1	563	Nov-20	GOOD	Concrete	02 4350 5	Valentine	0	0	0	0	1	1	2280	0
33	510	010100002	010100002	1	410	21-50	GOOD	Concrete	02 4921 0	Pelican	0	1	0	0	1	2	2281	0
34	518	010100002	010100002	1	199	Nov-20	GOOD	Concrete	4350 5555	Summerla	0	1	1	1	1	3	2259	1
35	528	010100002	010100002	1	307	Unconfirm	GOOD	Concrete	02 4921 0	Dobell M	0	0	0	0	1	2	2280	0
36	531	010100002	010100002	0	30	21-50	FAIR	Concrete	02 4921 0	Belmont	0	0	0	0	0	1	2281	0