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1. About *Land Tasmania* Open Data

As the custodian of a significant amount of Tasmanian spatial data, *Land Tasmania* is working towards the public release of spatial data and services, in keeping with Open Data principles wherever possible.

While the Open Data concept generally describes the idea that ‘data’ should be openly accessible to all, there are many different definitions of this in use worldwide. For *Land Tasmania*, ***Open Data is authoritative location-based government data, which is easy to access and download, with minimal constraints on its use and reuse.***

As a result of redevelopment work undertaken through the Spatial Information Foundations Project, the LIST now provides government, industry and the general public with improved access to a greater range of spatial data and services. Combining this new framework with Open Data principles will encourage government and industry to embed the use of authoritative government data into core business, reduce the duplication of data and systems, and use the data for better policy and decision-making.

This document will assist you to easily find *Land Tasmania* Open Data.

2. Creative Commons and Open Data

Land Tasmania is using the Creative Commons 3.0 Australia (CC 3.0 AU) license to implement its Open Data policy.

Most data is released under the least restrictive licence ‘Creative Commons Attribution 3.0 Australia (CC BY 3.0 AU)’. Under this licence, you are free to **share** and **adapt** the data for any purpose, even commercially, subject to the following terms:

- **attribution** — you must give appropriate credit, provide a link to the license, and indicate if changes were made. You can do this in any reasonable manner, but not in any way that suggests that *Land Tasmania* endorses you or your use of the data
- **no additional restrictions** — you cannot apply legal terms or technological measures that legally restrict others from doing anything the license permits

The Creative Commons license should be used in collaboration with the [Land Tasmania Data Attribution Guidelines](#).

For more information about the Creative Commons license, visit: <http://creativecommons.org/licenses/by/3.0/au/>

3. How to access Open Data

Open Data is available via a number of methods within the LIST infrastructure including:

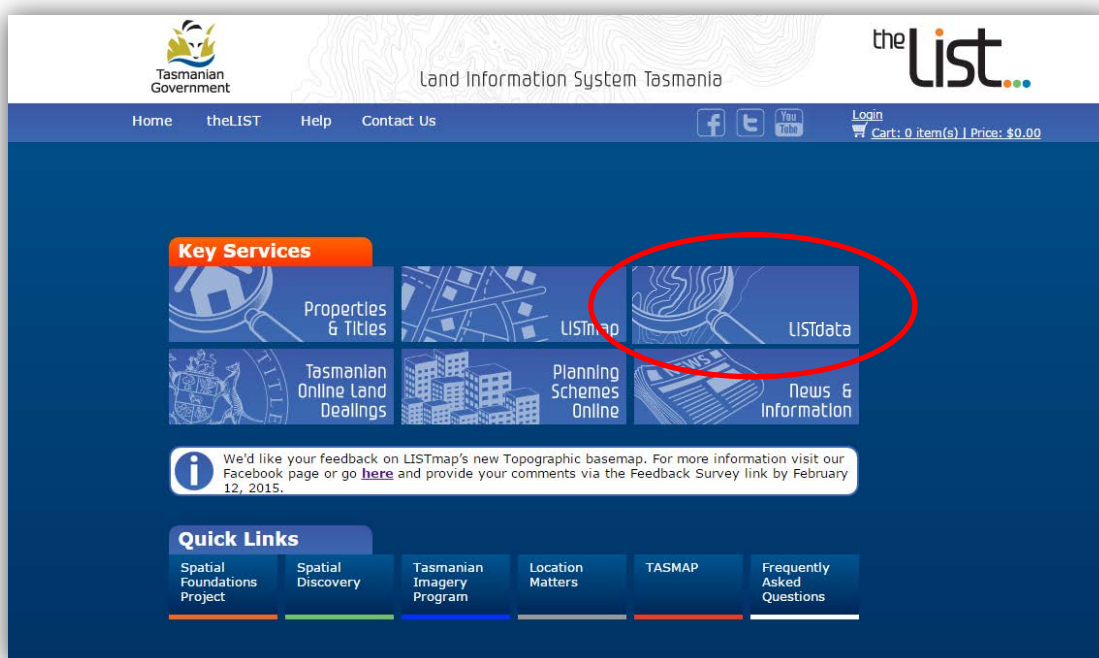
- **LISTdata** – data.thelist.tas.gov.au - a free, easy to use online data portal that helps you discover, use and reuse Tasmanian location based information
- **LISTmap** – maps.thelist.tas.gov.au - a free, easy to use online map application that allows you to export current data via its simple export data facility
- **LISTservices** – services.thelist.tas.gov.au - a free web service endpoint that can be integrated into your business systems and applications via REST-based web services

Whilst Open Data is directly accessible via any of these methods, LISTdata is recommended as your first point of access. LISTdata allows users to discover a wide range of location based information, and provides a central point for discovering all options to access authoritative government data, including Open Data.

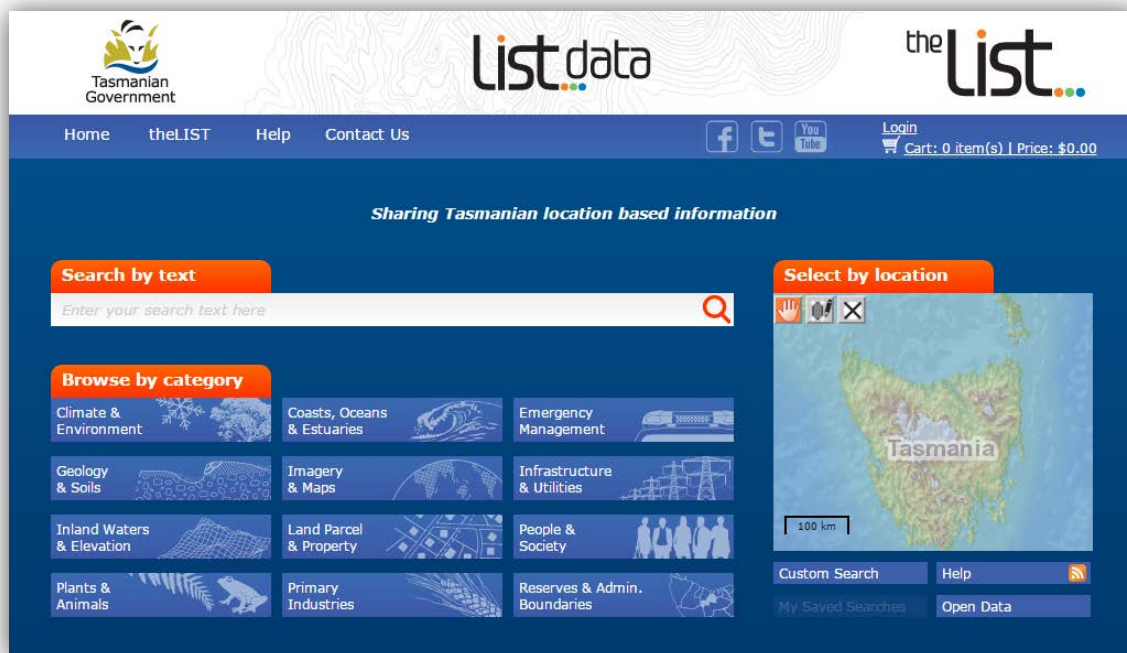
As not all Tasmanian location-based data is released under an Open Data policy, in all cases you must refer to the Licence Terms and Conditions (within the relevant LIST infrastructure component) to confirm what you are permitted to do with the data.

3.2 Accessing data using LISTdata

- Go to www.thelist.tas.gov.au then click on the **LISTdata** button.



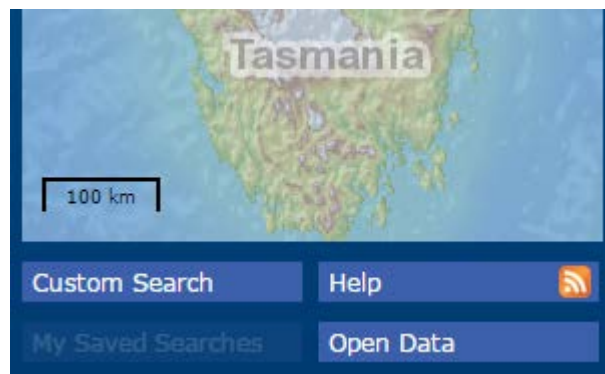
- This will take you to **LIST data**



- **Search for your dataset** of interest by text, by location or you can browse by category. See the [LISTdata Help Notes](#) for more information on searching.

After performing a search, a summary of search results that matched your criteria will be displayed (see next page).

- You can also navigate directly to an extract of the datasets released under Open Data, by **clicking** on the **Open Data** button on the LISTdata home page. However you will not be able to view or read the associated metadata, or discover links to other methods of accessing live data.



- searching LISTdata (continued...)

Current Search X Clear all

Refine Results **18 Results** Sort by Title Ascending Results per page 10 Page <- 1 ->

Cadastral Plan Points Date: 05-06-2014
Cadastral Plan Points holds points representing the location of plans lodged in the Land Titles Office, Deeds Office, Office of the Surveyor General (Survey Office) and Central Plan Register. Points are attributed with the plan reference, plan authority and source. Cadastral Plan Points is intended as an approximate index to the location of these plans and surveys and also as a key reference ...

LIST Authority Land Date: 15-07-2011
LIST Authority Land is a subset of the LIST Cadastral Parcels layer. It portrays parcels of land owned, vested or managed by a Commonwealth, State or Local Government Authority. Categories include Housing Tasmania, HEC, Councils, Education, TAS Water, Defense etc. Authority Land attributes are the same as for LIST Cadastral parcels and include the authority name, title reference and property ...

LIST Boundary Segment Date: 09-09-2011
The LIST Boundary Segment is a straight line, arc, topographic feature, meridian or parallel that is used to build the various polygon datasets derived from the LIST CadArea (Cadastral Area) table within The LIST Cadastral Datamodel. This dataset is not intended to be used independently of LIST Cadastral datasets but may be of use in conjunction with these to ascertain the origin of a line or ...

LIST Cadastral Parcels Date: 31-01-2011
The LIST Cadastral Parcels is a spatial index of polygons forming Tasmania's Cadastral framework. These polygons have been formed from The LIST Boundary Segments and the layers of Authority Parcel, Casement, Water areas and Private Parcel from The LIST Cadastral Area spatial table within the Cadastral Data Model. Private parcels will represent an entitlement in fee simple. These layers combine ...

LIST Electoral Divisions Date: 09-09-2011
The Electoral Divisions data set contains boundaries of the 5 Commonwealth (House of Representatives) and State (House of Assembly) Electorates (Bass, Braddon, Denison, Franklin and Lyons) within the State of Tasmania. Areas are attributed with their Electoral name.

- Click the relevant metadata Title from the **summary results** (example shown above). The metadata for that particular dataset will be displayed (see below).

LIST Cadastral Parcels

Creation Date: 31-01-2011
Publication Date: 31-01-2011
Revision Date: 17-12-2014

Abstract
The LIST Cadastral Parcels is a spatial index of polygons forming Tasmania's Cadastral framework. These polygons have been formed from The LIST Boundary Segments and the layers of Authority Parcel, Casement, Water areas and Private Parcel from The LIST Cadastral Area spatial table within the Cadastral Data Model.

Private parcels will represent an entitlement in fee simple. These layers combine to form a single layer of non-overlapping polygons (with the exception of vertical strata titles and user roads) for the whole of Tasmania.

Attributes of the Cadastral Parcels include the PID (Property Identifier) and Volume and Folio, which are the key identifiers to the VISTAS (Valuation Information System for Tasmania) and TASPOL (Tasmanian Folio of the Register) systems. These systems hold attributes including property details, valuation, ownership, title and address which can be linked to the cadastral area through these identifiers.

Category planningCadastr

Keywords BOUNDARIES ; LAND Cadastre

Dataset Information
Dataset Created 16-11-1999
Data Type vector
Data Coverage Tasmania
Coordinates **North:** -39.2 **East:** 149.0
West: 143.5 **South:** -44.0
Lineage Statement Cadastral boundaries were originally derived from the Tasmanian 1:5,000 orthophoto/cadastral map series and 1:25,000 topographic/cadastral map series.

More information about LISTdata searching is available in the [LISTdata Help Notes](#).

- Scroll down to the **Data Access** heading. Here you will find all relevant links to connect to or download the Data or further information about it (if available) – see image below. You will also find information about the Licence type and terms of use.

Data Access	
View Dataset	http://maps.thelist.tas.gov.au/listmap/app/list/map?layout-options=LAYER_LIST_OPEN&cpoint=147.43,-42.85,50000&srs=EPSG:4283&bmlayer=3&layers=143
Product Information Sheet	http://listdata.thelist.tas.gov.au/public/LIST_Legislative_Council_Divisions_information.pdf
Licence	Other
Licence Terms	Copyright © State of Tasmania. Data costs and licensing may apply for access and subsequent use of part or all of this dataset. Please contact the Data Custodian for more information.

- **Licence Types**
 - Where the Licence is listed as **'Other'** (as shown above), that particular dataset is **not** available for free under **Open Data**. Contact the data custodian (see top left corner of the Metadata page) or Geodata Client Services if you wish to obtain a copy of that dataset.
 - Where a Creative Commons symbol or another licence type is shown (see below), that particular dataset is available for free under Open Data.

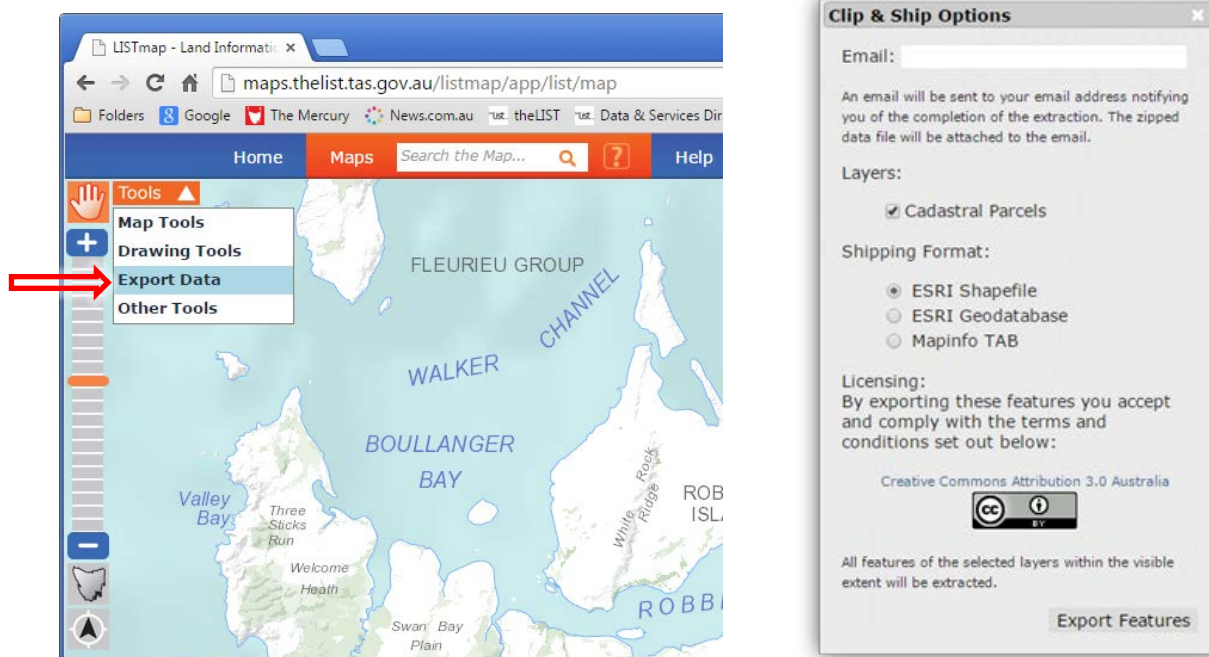
Data Access	
View Dataset	http://maps.thelist.tas.gov.au/listmap/app/list/map?layout-options=LAYER_LIST_OPEN&cpoint=147.43,-42.85,10000&srs=EPSG:4283&bmlayer=3&layers=130
Product Information Sheet	http://listdata.thelist.tas.gov.au/public/LIST_Contours_Information.pdf
Access LIST Web Services	http://services.thelist.tas.gov.au/arcgis/rest/services/Public/TopographyAndBaker/Master/12
Access LIST Vector Data	http://listdata.thelist.tas.gov.au/ovendata/index.html#LIST_Contours_10m
Licence	
Licence Terms	Creative Commons Attribution 3.0 Australia Licence

- The datasets which are available under Open Data will also have links to other sources of information or the Data itself, including:
 - **View Dataset** - view and extract the dataset in LISTmap (see 'Accessing Data using LISTmap' below)
 - **Access LIST Web Services** - access the dataset via LIST Web Services (see 'Accessing Data using LISTservices' below)
 - **Access LIST Vector Data** - download static copies of vector data (see 'Accessing Data using the LISTdata Download Facility' below).

3.3 Accessing data using LISTmap

LISTmap allows you to view and interrogate spatial data as well as extract small extents of spatial data from the LISTmap viewer (data extraction limits apply).

- Go to www.thelist.tas.gov.au, then click on the **LISTmap** button.
- Navigate to the area of interest and add the required layers. (See **LISTmap Help Notes** for more on finding a location and adding layers).
- Hover over the **Tools** arrow and click **Export Data**.
- A **Clip and Ship Options** window will appear.



- The **Clip and Ship Options** window will display the layers you are able to export and their licencing information. **Not all layers you had viewable in LISTmap will be listed**, only those layers available via Open Data.
- Select the **Shipping Format** you wish to receive the data. You can only choose one format.
- Enter your **email address**.
- Click **Export Features**
- The extracted data will be sent to your nominated email either:
 - as a compressed zip file within the email, or
 - where the data size is too large for email, as an embedded web link within the email.

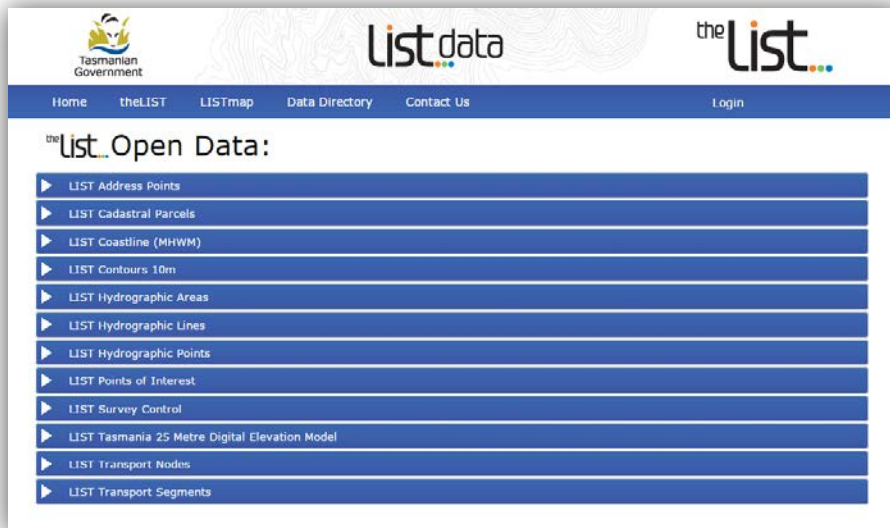
Simply click the web link to start downloading your data.

3.4 Accessing data using the LISTdata download facility

The LISTdata download facility allows you to browse the spatial datasets which are available for download under the Open Data policy.

Each dataset can be downloaded in common GIS formats (ESRI shape, ESRI geodatabase, MapInfo tab). **This data is refreshed every six months.**

- Go to <http://listdata.thelist.tas.gov.au/opendata>



- Select a dataset of interest by clicking on the dataset name. Most datasets will be divided into municipalities for download, while some (e.g. coastline and survey control) are available for download as state-wide datasets.



- You can view the **Metadata Record** and the **Land Tasmania Data Attribution Guidelines** by clicking on the links on the right hand side of the screen.
- Select a municipality of interest by clicking on the appropriate **Download Now** button. The data will be downloaded to your computer as a zip file, and will contain a number of formats.
- Save the required files in your preferred location.

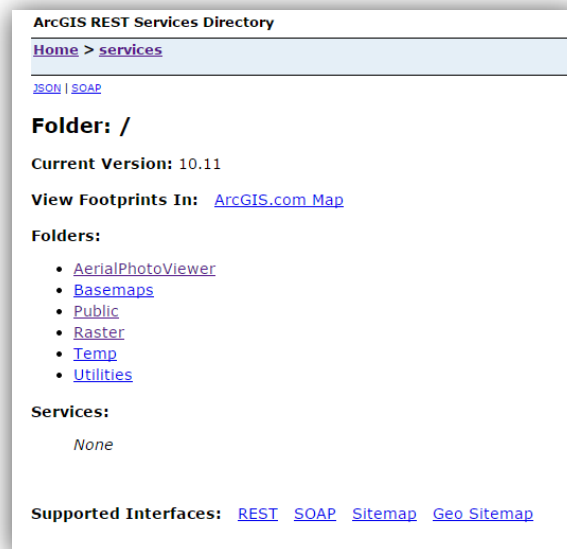
3.5 Accessing data using LISTservices

LISTservices allows you to receive ongoing current and dynamic feeds of public and basemap data into your business system via the **Land Tasmania** ArcGIS REST server. One of the main advantages of using LISTservices is that you are accessing the same up-to-date data that is displayed on LISTmap.

The data can also be read directly into specific GIS software platforms such as MapInfo and ESRI.

This method of data access effectively involves one computer talking to another computer, and as such it requires IT support to set up and a GIS system to connect.

- Go to <https://services.thelist.tas.gov.au/>
- Select the appropriate folder. This will take you to a list of available services (see example below).



ArcGIS REST Services Directory

Home > [services](#)

[JSON](#) | [SOAP](#)

Folder: /

Current Version: 10.11

View Footprints In: [ArcGIS.com Map](#)

Folders:

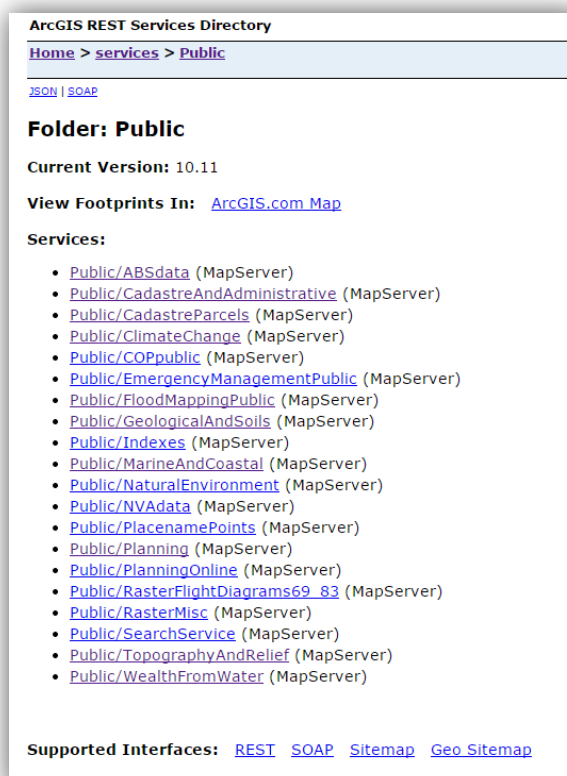
- [AerialPhotoViewer](#)
- [Basemaps](#)
- [Public](#)
- [Raster](#)
- [Temp](#)
- [Utilities](#)

Services:

None

Supported Interfaces: [REST](#) [SOAP](#) [Sitemap](#) [Geo Sitemap](#)

- Select the appropriate service. A service may contain one or more layers.



ArcGIS REST Services Directory

Home > [services](#) > [Public](#)

[JSON](#) | [SOAP](#)

Folder: Public

Current Version: 10.11

View Footprints In: [ArcGIS.com Map](#)

Services:

- [Public/ABSdata](#) (MapServer)
- [Public/CadastreAndAdministrative](#) (MapServer)
- [Public/CadastreParcels](#) (MapServer)
- [Public/ClimateChange](#) (MapServer)
- [Public/COPpublic](#) (MapServer)
- [Public/EmergencyManagementPublic](#) (MapServer)
- [Public/FloodMappingPublic](#) (MapServer)
- [Public/GeologicalAndSoils](#) (MapServer)
- [Public/Indexes](#) (MapServer)
- [Public/MarineAndCoastal](#) (MapServer)
- [Public/NaturalEnvironment](#) (MapServer)
- [Public/NVAdata](#) (MapServer)
- [Public/PlacenamePoints](#) (MapServer)
- [Public/Planning](#) (MapServer)
- [Public/PlanningOnline](#) (MapServer)
- [Public/RasterFlightDiagrams69_83](#) (MapServer)
- [Public/RasterMisc](#) (MapServer)
- [Public/SearchService](#) (MapServer)
- [Public/TopographyAndRelief](#) (MapServer)
- [Public/WealthFromWater](#) (MapServer)

Supported Interfaces: [REST](#) [SOAP](#) [Sitemap](#) [Geo Sitemap](#)

- Before integrating the service within your system/s, ensure you consult the **Terms and Conditions**, including the **Attribution Guidelines**. These are found in the **Service Description** and/or the **Copyright Text** fields of the service (see example below). Users must ensure they acknowledge the source of the data and how the data may have been altered by your use.

Example 1:

ArcGIS REST Services Directory

[Home](#) > [services](#) > [Public](#) > [TopographyAndRelief \(MapServer\)](#) > [Hydrographic Points](#)

[JSON](#)

Layer: Hydrographic Points (ID: 2)

Name: Hydrographic Points


Display Field: NAME

Type: Feature Layer

Geometry Type: esriGeometryPoint

Description: LIST Hydrographic Points depicts all point features in the hydrographic themes including Offshore Rock, Tank, Water Tow
 See LIST Web Services Terms and Conditions (<http://listdata.thelist.tas.gov.au/public/LISTWebServicesTermsConditions.pdf>)
 See ILS Data Attribution Guidelines (<http://listdata.thelist.tas.gov.au/public/ILS Data Attribution Guidelines.pdf>)

Definition Expression:

Copyright Text:  the LIST © State of Tasmania

Default Visibility: false

MaxRecordCount: 1000

3.6 Custom data supply services

If you do not have the capability or capacity to access **Land Tasmania** data via the above options, or if you require data supplied at a different custom specification, you can contact **Land Tasmania** Client Services. Client Services can discuss with you a *Fee for Service* data supply, and any other appropriate Licensing arrangements that may apply.

4. Contact Us

Feel free to contact our helpful Client Services team by:

- **Phone:** (03) 6165 4444
- **Email:** listhelp@nre.tas.gov.au