Sydney Train Routes

Transport Open Data

1   Sydney Train Routes

This spatial dataset includes the train lines generated from the shape.txt file in the Sydney Trains GTFS static bundle. The shapes.txt file contains the inter-stop paths that a vehicle is expected to follow.

https://api.transport.nsw.gov.au/v1/gtfs/schedule/sydneytrains

Sydney Trains and NSW Trains routes are included in the GTFS bundle as per data generated from the Sydney Trains RTTA system.

Spatial route datasets included in the following formats and will be updated on a monthly basis:
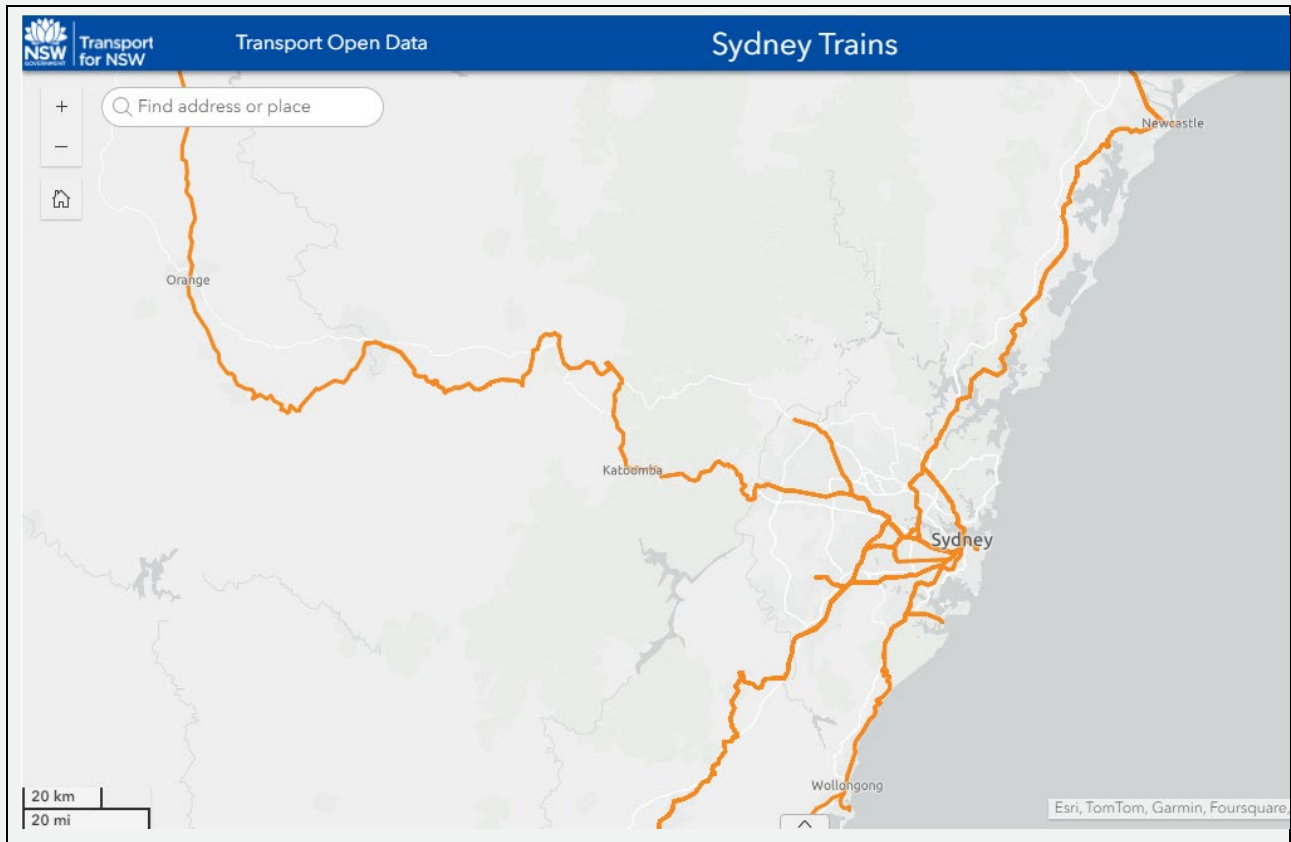
- csv
- geojson
- json
- kml
- shapefile

An interactive map is included in the dataset to view and interrogate the data.

2   Data Structure

Sydney Trains Route – csv and spatial datasets

Field Name	Data Type	Field Description
OBJECTID	numeric	GIS ID for each attribute.
shape_id	string	Contains an ID that defines a shape for the trip.
route_id	string	The route_id field contains an ID that uniquely identifies a route. The route_id is dataset unique. Constructed as "(CONTRACT ID)_(ROUTE ID)". For example: "2447_10A"
agency_id	string	The Contract ID, allocated by TfNSW. For Example: "2447"
route_short_name	string	The short code identifying the route to the public. For example: "T3" "SCO"
route_long_name	string	The long name identifying the route to the public. For example: "Bankstown Line" "South Coast Line"
route_desc	string	Note: TfNSW Variation. Indicates the descriptive Network name. For example: "Sydney Trains Network".
route_type	numeric	Note: TfNSW Variation. Indicates the route type of the route. For example: "700".
route_url	string	N/A. URL of a web page about the particular route.
route_color	string	Relevant colours utilised on timetables and signboards. For example: "00954C"
route_text_color	string	Generally, either black or white, selected for contrast with the route_color. For all: "FFFFFF"
route_type_text	string	Type of route. For example: "Rail"
Shape__Length	numeric	Length of the shape

Sample dataset – Interactive Map

Sample dataset – csv file

OBJECTID	shape_id	route_id	agency_id	route_short_name	route_long_name	route_desc	route_type	route_url	route_color	route_text_color	route_type_text	SHAPE_Leng
1	APS_1a	APS_1a	SydneyTrains	T8	City Circle to Macarthur via Airport	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.5659901
2	APS_1b											0.5181279
3	APS_1c	APS_1c	SydneyTrains	T8	City Circle to Macarthur via Sydenham	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.5451016
4	APS_1d											0.5450852
5	APS_1e	APS_1e	SydneyTrains	T8	City Circle to Leppington via Sydenham	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.497239
6	APS_1f	APS_1f	SydneyTrains	T8	City Circle to Leppington via Sydenham	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.4972230
7	APS_2a	APS_2a	SydneyTrains	T8	Macarthur to City Circle via Airport	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.5659901
8	APS_2b	APS_2b	SydneyTrains	T8	Leppington to City Circle via Airport	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.5181279
9	APS_2c											0.5451016
10	APS_2d	APS_2d	SydneyTrains	T8	Macarthur to City Circle via Sydenham	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.5450852
11	APS_2e											0.4972230
12	APS_2f	APS_2f	SydneyTrains	T8	Leppington to City Circle via Sydenham	T8 Airport & South Line	2		00954C	FFFFFF	Rail	0.497239
13	BMT_1	BMT_1	NSWTrains	BMT	Central to Lithgow and Bathurst	Blue Mountains Line	2		F99D1C	FFFFFF	Rail	2.4102059
14	BMT_2	BMT_2	NSWTrains	BMT	Bathurst and Lithgow to Central	Blue Mountains Line	2		F99D1C	FFFFFF	Rail	2.4102059
15	CCN_1a	CCN_1a	NSWTrains	CCN	Central to Newcastle Interchange via Strathfield	Central Coast & Newcastle Line	2		D11F2F	FFFFFF	Rail	1.6121296
16	CCN_1b	CCN_1b	NSWTrains	CCN	Central to Newcastle Interchange via Gordon	Central Coast & Newcastle Line	2		D11F2F	FFFFFF	Rail	1.5237463
17	CCN_1c	CCN_1c	NSWTrains	CCN	Central to Newcastle Interchange via Strathfield	Central Coast & Newcastle Line	2		D11F2F	FFFFFF	Rail	1.6121296
18	CCN_2a	CCN_2a	NSWTrains	CCN	Newcastle Interchange to Central via Strathfield	Central Coast & Newcastle Line	2		D11F2F	FFFFFF	Rail	1.6121296
19	CCN_2b	CCN_2b	NSWTrains	CCN	Newcastle Interchange to Central via Gordon	Central Coast & Newcastle Line	2		D11F2F	FFFFFF	Rail	1.5237463
20	CMB_1a	CMB_1a	SydneyTrains	T5	Richmond to Leppington	T5 Cumberland Line	2		C4258F	FFFFFF	Rail	0.6711744
21	CMB_1b	CMB_1b	SydneyTrains	T5	Emu Plains to Leppington	T5 Cumberland Line	2		C4258F	FFFFFF	Rail	0.6618187