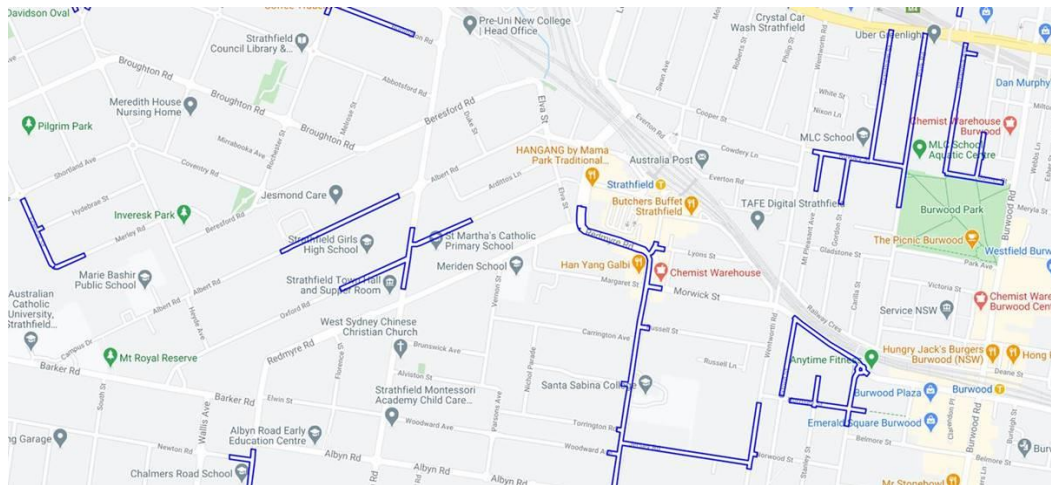


1 Existing School Zone's for NSW Dataset

This school zone data set provides the active school zone locations and shape profile of schools in NSW. The dataset can be used to graphically show the locations of these school zones.

Additionally, each school zone has a set of attributes that describe when the school zones are active.

For example, the below figure shows the school zones shown on a google map.



2 Dataset Structure

Field Name	Data Type	Description
OBJECTID	Integer	Dataset Zone Index.
SZ_ZONE_ID	Integer	TfNSW identification of the Zone
SZ_TYPE	String	Type of Zone. For this data set, set to "School" only
SZ_STATUS	String	Status describing whether zone is active. For this data set, set to only active zones. i.e. "Existing"
SZ_DIRECTION	String	Speed zone direction of travel. "Both Directions",
SZ_SPEED	String	Maximum speed associated with that zone (Km/h)
START_TIME_AM	String	Morning School Zone activation time Time format "Hh:Mm AM/PM".
END_TIME_AM	String	Morning School Zone finish time Time format "Hh:Mm AM/PM".
START_TIME_PM	String	Afternoon School Zone activation time Time format "Hh:Mm AM/PM".
END_TIME_PM	String	Afternoon School Zone finish time Time format "Hh:Mm AM/PM".
SCL_NAME	String	Name of the school associated with the zone. Note: for multiple schools the main school name has been used.
Late_opening_school	String	Y or N. Note: The term 1 start date differs if the school is in the Western or Eastern division.
OP_CAL	String list	Operating dates of the zone related to the 4 school term time published on the url education.nsw.gov.au Format is StartDate, End Date and occurrence pattern for weekdays only <OperatingCalendar StartDate="2021-01-27" EndDate="2021-04-01" Recurrence="* * * 1-5 *"/> Note: The term 1 start date differs if the school is in the Western or Eastern division.
SHAPE_Length	Double	The max length of the shape
SHAPE_Area	Double	The Area of the shape
json_ogc_wkt_crs	String	Geometric projection, WGS_1984 latitude , Longitude World Geodetic System of 1984

json_geometry.. coordinates	Array List	A Polygon/s array of the zone shape in Longitude / Latitude value pairs. Note: First and last positions are identical and complete the shape definition. Multiple polygon shapes can be contained in a zone definition
--	------------	---

3 Sample Feed

```
[
  {
    "generated" : "12March2021"
  },
  {
    "json_featuretype" : "School_Zones_existing",
    "OBJECTID" : "1",
    "SZ_ZONE_ID" : "399526",
    "SZ_TYPE" : "School",
    "SZ_STATUS" : "Existing",
    "SZ_DIRECTION" : "Both Directions",
    "SZ_SPEED" : "40 km/h",
    "START_TIME_AM" : "08:00 AM",
    "END_TIME_AM" : "09:30 AM",
    "START_TIME_PM" : "02:30 PM",
    "END_TIME_PM" : "04:00 PM",
    "SCL_NAME" : "WILLIAM CLARKE COLLEGE",
    "SHAPE_Length" : "0.00048423113215141807",
    "SHAPE_Area" : "1.4457687534060185e-8",
    "Late_opening_school" : "N",
    "OP_CAL" : "<OperatingCalendar StartDate='2021-01-27'
EndDate='2021-04-01' Recurrence='* * * 1-5 *' /><OperatingCalendar
StartDate='2021-04-19' EndDate='2021-06-25' Recurrence='* * * 1-5
*' /><OperatingCalendar StartDate='2021-07-12' EndDate='2021-09-17'
Recurrence='* * * 1-5 *' /><OperatingCalendar StartDate='2021-10-05'
EndDate='2021-12-17' Recurrence='* * * 1-5 *' />",
    "json_ogc_wkt_crs" : "GEOGCS[\"WGS84
Lat/Longs\",DATUM[\"WGS_1984\",SPHEROID[\"World Geodetic System of 1984, GEM
10C\",6378137,298.257223563,AUTHORITY[\"EPSG\",\"7030\"]],AUTHORITY[\"EPSG\",
\"6326\"]],PRIMEM[\"Greenwich\",0],UNIT[\"degree\",0.0174532925199433],AUTHORIT
Y[\"EPSG\",\"4326\"]]",
    "json_geometry" : {
      "type" : "Polygon",
      "coordinates" : [
        [
          [ 150.975547785, -33.712771992 ],
          [ 150.975422048, -33.712809513 ],
          [ 150.975378475, -33.712707532 ],
          [ 150.975504212, -33.712670011 ],
          [ 150.975547785, -33.712771992 ]
        ]
      ]
    }
  },...
]
```

4 Data Description

This section provides general development notes for the supplied dataset.

Data Update Schedule

- The data set will be each month throughout the year.
- New term dates will be populated, during the term 4 holidays each year

Operating Date format

- Each School zone has a Operating Calender that represents the zones Operating times expresses to cover the four school term times
- An example of this OP_CAL is provided below

```
"OP_CAL" : "<OperatingCalendar StartDate='2021-01-27' EndDate='2021-04-01' Recurrence='* * * 1-5 *' /><OperatingCalendar StartDate='2021-04-19' EndDate='2021-06-25' Recurrence='* * * 1-5 *' /><OperatingCalendar StartDate='2021-07-12' EndDate='2021-09-17' Recurrence='* * * 1-5 *' /><OperatingCalendar StartDate='2021-10-05' EndDate='2021-12-17' Recurrence='* * * 1-5 *' />",
```

In this example, the zone is active as follows

Term 2021	Start Date	End Date	Recurrence
1	27th January	1st April	* * * 1-5 * Monday to Friday every week
2	19th April	25th June	* * * 1-5 * Monday to Friday every week
3	12th July	17th September	* * * 1-5 * Monday to Friday every week
4	5th October	17th December	* * * 1-5 * Monday to Friday every week

Source: <https://roadsafety.transport.nsw.gov.au/stayingsafe/schools/flashinglights/index.html>

Data Format

The dataset is a zipped Geojson file.