

TIPS FOR USING CAS

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MAKING AND USING SITES

You can set up an area or group of areas of interest. This is called a site and you can use it in making queries. [Information on how to set up a site.](#)

Saving sites

You can save a site for use in later queries.

Editing existing sites

You can edit an existing calling it up in a query and clicking on the edit pen. [Demonstration on how to do this.](#)

There are two things to be aware of.

1. Not all the white squares will move in any edit session. You may have to save the site and push on the edit pen several times to obtain the shape you want.
2. When you finish editing (and editing can include deleting polygons and buffers), don't push 'Save', push the arrow next to Save and choose 'Save as'. This will save a site with the original site name with '(Copy)' appended. If you want to change the name of the new site, click the edit pen next to the site name, edit the name and push 'Save'. If you don't follow these steps but simply push 'Save' you may be thrown out with an error message.

USING RSRP MAP SEARCH TOOL TO MAKE A BUFFER ON A STATE HIGHWAY

Data input

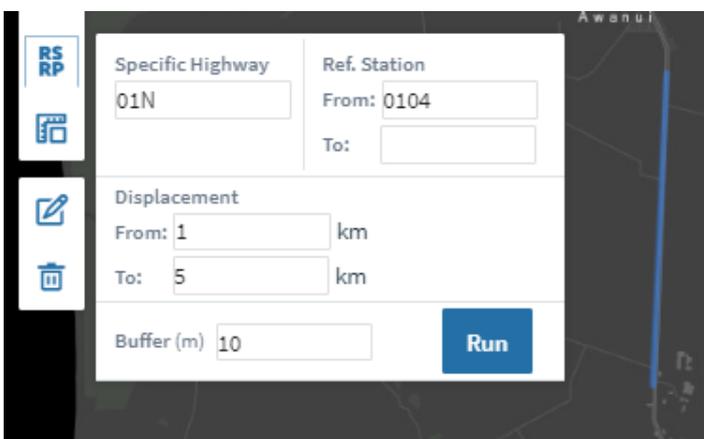
Specific Highway <input type="text" value="01N"/> <i>3 characters e.g. 01N</i>	Ref. Station <i>4 characters e.g.0010</i> From: <input type="text" value="0104"/> To: <input type="text"/>	<i>Allows roundabout, duel carriageway reference stations</i> Ref. Station From: <input type="text" value="0414-D"/> To: <input type="text" value="0414-R1"/>
Displacement From: <input type="text" value="7.5"/> km <i>Allows numeric, with or without decimals</i> To: <input type="text" value="10"/> km		
Buffer (m) <input type="text" value="10"/>	<input type="button" value="Run"/>	

FIELD	VALUE	EXAMPLE	COMMENTS	RELEVANCE
State Highway	alphanumeric - 4 characters	01N	The State Highway number	Mandatory
Reference station (From)	text field - 8 characters	234	A reference station on the SH entered first - can be limited to 4 characters	Mandatory
Reference station (To)	text field- 8 characters	234	A reference station on the SH - can be limited to 4 characters	Optional
Displacement: From	numeric, allow decimals, in kms - 6 characters	5	The offset start point (route position)	Optional
Displacement: End	numeric, allow decimals, in kms - 6 characters	5.6	The offset end point (route position)	Optional

Valid combinations

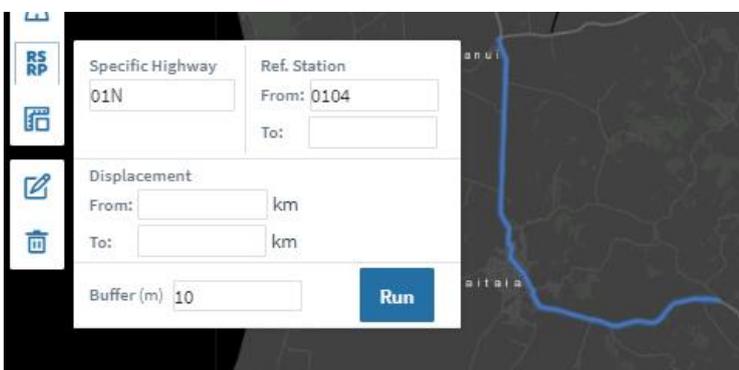
Find reference point on a reference station

SH FIELD	REF.STATION FROM	REF. STATION TO	DISPLACEMENT FROM	DISPLACEMENT TO	COMMENTS
Mandatory	Mandatory		Optional	Optional	This will create a buffer between the reference points



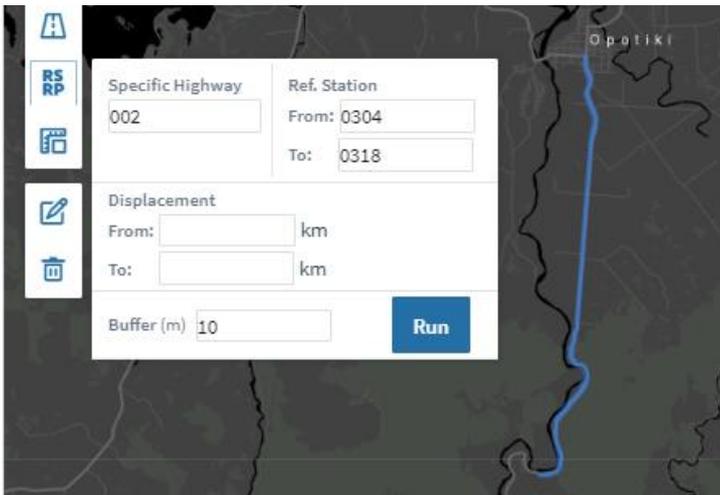
Find the length of road covered by a reference station

SH FIELD	REF.STATION FROM	REF. STATION TO	DISPLACEMENT FROM	DISPLACEMENT TO	COMMENTS
Mandatory	Mandatory				This will buffer the whole road covered by the reference station



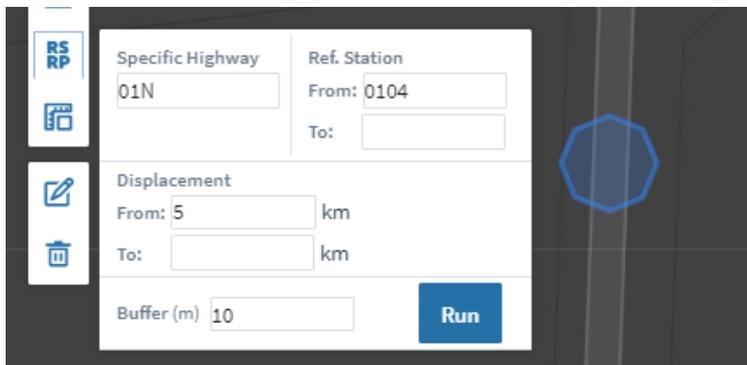
Reference station to reference station on the same State Highway

SH FIELD	REF.STATION FROM	REF. STATION TO	DISPLACEMENT FROM	DISPLACEMENT To	COMMENTS
Mandatory	Mandatory	Optional			This will buffer the area between the two reference stations



Find a specific route position only

SH FIELD	REF.STATION FROM	REF. STATION TO	DISPLACEMENT FROM	DISPLACEMENT To	COMMENTS
Mandatory	Mandatory		Optional		This will create a small buffer around the reference point



Using the RSRP map search tool

Finding the section of road you are interested in:

1. Enter the information (refer to the valid combination information).
2. Select the 'Run' option.
3. The system will create the buffer.

Using that section of road in your query:

1. Save the buffer to use in your query (normal buffer tool behaviour).
2. Select the 'Saved site' attribute in your query.
3. Select the site you saved in step 1.
4. Run the query to return crashes within the buffer.

COLLISION DIAGRAMS

A collision diagram can only be created when all of the following criteria are met:

1. The area of the saved site is less than or equal to 10 square kilometres.
2. There are no more than 200 crashes in the query.
3. There are no more than eight polygons in the saved site.

Five steps to create a collision diagram

1. Create a polygon ([find out how to create polygons](#)).
2. Save the polygon as a site.
3. Run a query using the saved site in the query.
4. Group the crashes.
5. Click on collision diagram.