

SETTINGS AND PROCEDURE FOR ANNOTATING NZTRAVERSE DATA IN MAGNET OFFICE

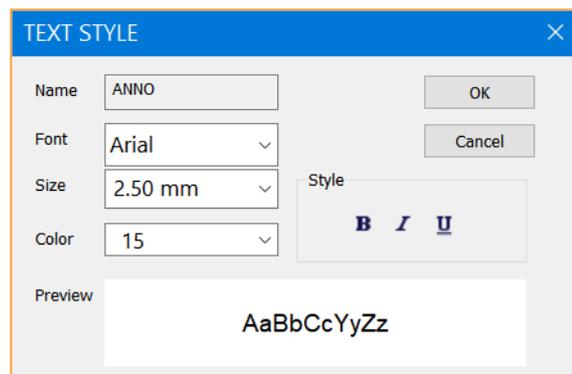
There are 4 settings that need to be set up in the Magnet Office library to control the annotation of **NZTraverse** data in Magnet Office.

The annotation saved from **NZTraverse** is that of the Observed Bearings and Distances entered for the vectors in **NZTraverse**. Annotation turned On for a line in Magnet Office is by default the missing line annotation that is the norm in Magnet Office.

If you have installed the sample New Zealand libraries provided with the software (usually in the Libraries folder on the USB drive), these settings will already be available.

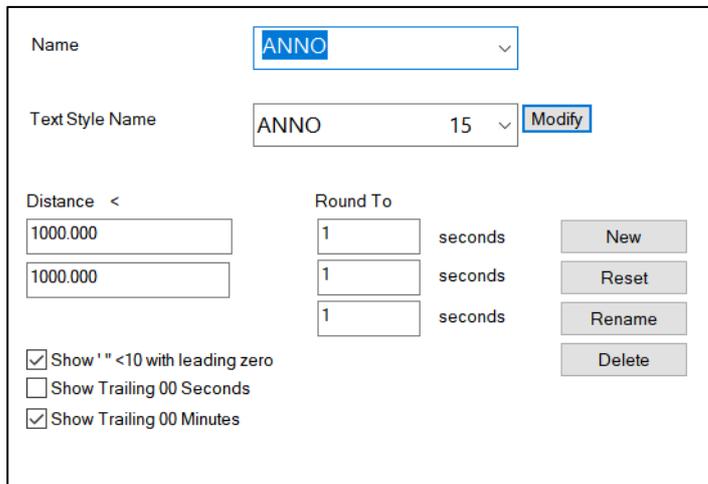
If you are not using these libraries please create the following entries in the order shown.

Text Style: Create a new text style named "ANNO" in **Library / Text Styles**. Set the font and size as required (Default setting would be font: Arial and size: 2.5mm). Allocate a colour.

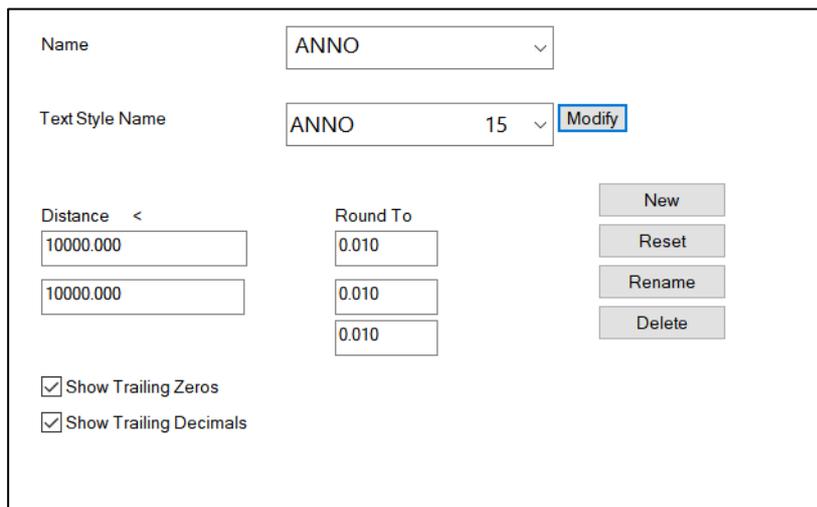


Bearing Annotation: Create a new bearing annotation style named "ANNO" on the **Bearing** page in **Library / Annotation**. Set text style name to: 'ANNO'. Set "Distance <" to 1,000.00 and "Round" to 1 second. This setting is needed to ensure the exact observed bearing sent to **Magnet Office** by **NZTraverse** is not rounded in Magnet Office.





Distance Annotation: Create a new distance annotation table named “ANNO” on the **Distance** page in **Library / Annotation**. Set the Text Style to: ANNO. Set the “Distance <” to 10,000.00 and “Round To” 0.010 metres.



Line Annotation: Create a new line annotation table named “ANNO” on the **Line** page in **Library / Annotation**. Select your preferred style (Type) for annotating lines with the observed bearings and distances entered in **NZTraverse**. Set both the Bearing and the Distance Settings to: ‘ANNO’. Set a Clear Distance and tick the option “Show Short Line Annotation” to ensure that all lines are annotated correctly. The annotation may be moved if overlapping occurs.



The screenshot shows a configuration window for 'ANNO'. At the top, the 'Name' is set to 'ANNO'. Below this is a 'Type' section with three columns of radio button options:

- Column 1: Bearing Distance, Distance Bearing
- Column 2: Bearing, Distance, Bearing and Distance
- Column 3: Distance Bearing, Bearing Distance, Distance and Bearing

 Below the 'Type' section are several input fields:

- 'Text Before Distance' and 'Text After Distance' (empty text boxes)
- 'Bearing Settings' (dropdown menu set to 'ANNO')
- 'Spread Bearing (Paper Units)' (input field with '0.00' and a checked checkbox)
- 'Distance Settings' (dropdown menu set to 'ANNO')
- 'Clear Distance' (input field with '0.50')
- 'Annotate' section with Above and Below
- 'Show Short Line Annotation' (checked checkbox)

 On the right side of the form, there are four buttons: 'New', 'Reset', 'Rename', and 'Delete'.

PROCEDURES IN NZTRAVERSE

On the **Setup** Tab in the **NZTraverse** dataset, check these settings:

The screenshot shows a list of three settings, all of which are checked with a tick mark in a box:

- Annotate by default
- Annotate peg ties
- Annotate Magnet Office data

Annotate by Default:

When the box is ticked the Annotate column in any new Traverse grid is set to Yes. By default all lines will be set ready to Annotate if required.

Annotate Peg Ties:

When the box is ticked, the Save to Magnet Office routine creates a line, which joins the Peg Tie points defined in Magnet Office to the Tie Point defined in **NZTraverse**. The calculated bearing and distance annotate the line, rounded as defined in the Rounding details on the Setup Tab in **NZTraverse**.

Annotate Magnet Office Data:

When the box is ticked, the observed bearings and distances are written into Magnet Office as Annotation for each line in the Traverse grid which has the Annotate column set to Yes.

When the box is not ticked, no bearings and distances are written into Magnet Office, even if lines in the Traverse grid have the Annotate column set to Yes.



We suggest you only turn this option on when you are ready to annotate your data in Magnet Office as it can slow down the save procedure if you have a large dataset in Magnet Office.

PROCEDURES IN MAGNET OFFICE

Display of Annotation in Magnet Office

To display the **NZTraverse** vector annotation in Magnet Office, go to the Hot Button (Red Square at foot of screen) and tick 'Line Bearings' and 'Line Lengths' in the Annotation/Attributes section of the page.

Please Note: the Properties Manager will show the Annotation as False for these lines.

Please do **NOT** set the Annotation to True for **NZTraverse** created lines displayed in **Magnet Office**. If you do, the annotation will be displayed twice and **Magnet Office** will show you the bearing and distance calculated from the coordinates of the points – and not the observed bearing and distance entered in **NZTraverse**

To Delete the NZTraverse Annotation of Lines in Magnet Office

As this annotation is not the standard Magnet Office annotation you need to use **Modify / Text / Annotation / Delete** to remove selected or all annotation on these Lines.

