

# Traffic surveys comparison.

## Introduction

This considers the two most recent traffic surveys conducted for the parish council. The surveys were conducted using automatic measurement equipment and took place commencing 24/02/16 and 05/11/18, respectively.

The objective of conducting these surveys was to gather evidence supporting the need for traffic calming and then to assess the effect that the scheme has had by observing any trends in speed.

The six locations measured in 2016 were repeated for comparison, with a site in Knightcote Road being included for future reference and in response to local concerns and perception that speeds are excessive at that location.

## Observations

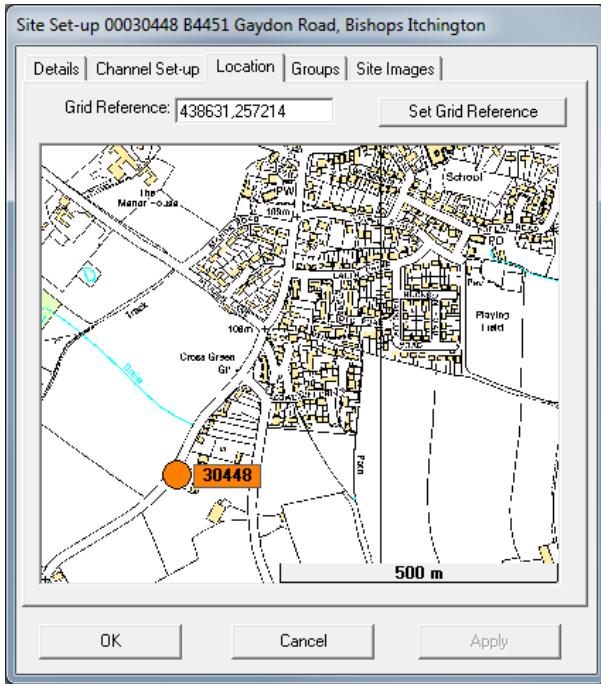
In general, there is evidence that the mean and 85<sup>th</sup> percentile speeds have reduced following the introduction of the traffic calming. The effect appears variable, with the most significant reductions being observed in the centre of the village at location 30451, where the modal speed shifted down two bins in this case.

An exception to this is the southbound traffic at the northern entrance to the village on Station Road. This location showed a small increase (<1 mph for the 24-hour average) in the mean and 85<sup>th</sup> percentile speeds. Along with the northbound entry to the village on Gaydon Road, this site shows a smaller change in profile at higher speeds than other locations.

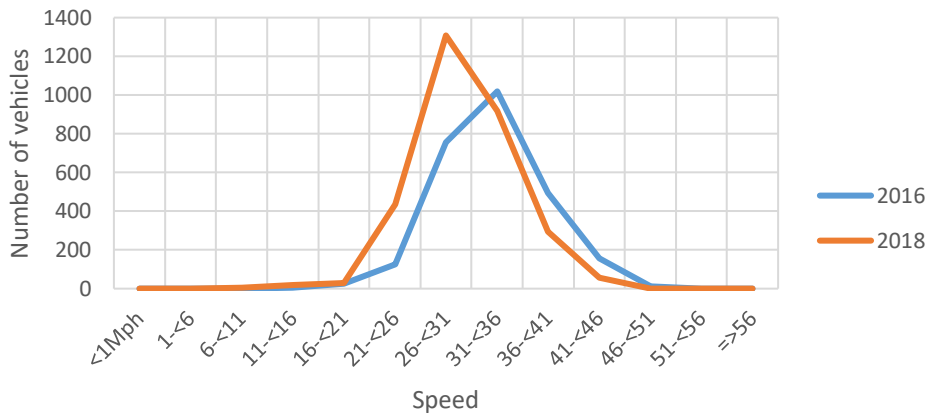
The distribution, mean and modal speeds are broadly unchanged at the Plough Lane survey location, the NW-bound profile being very consistent between the two surveys. This is reasonable, as there have been no changes made there.

Regarding Knightcote Road, the evidence reflects a modal speed in excess of the 30 mph speed limit, with the 85<sup>th</sup> percentile at 36.6 mph southbound. The data does not corroborate reports of speeds in excess of 60 mph, there being no vehicles recorded above 46 mph for the survey period. That is not to say it has not happened, only that it did not occur while this survey was taking place.

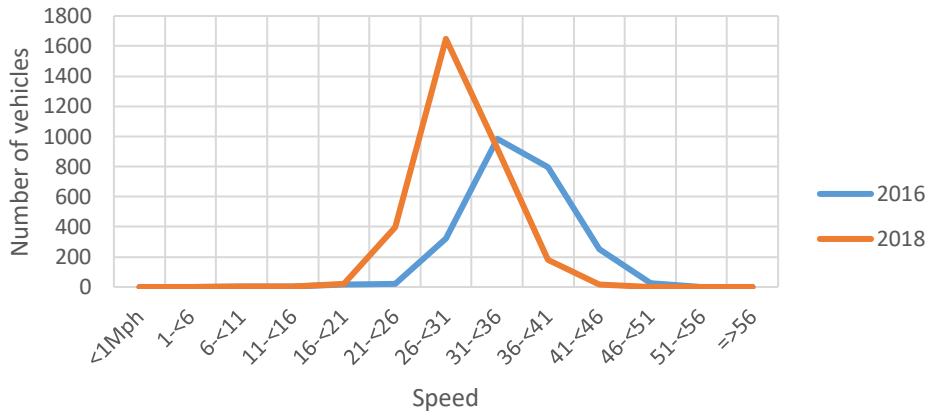
There is an observable increase in traffic volume through the village at all sites on the B4451 (Gaydon/Station Roads)

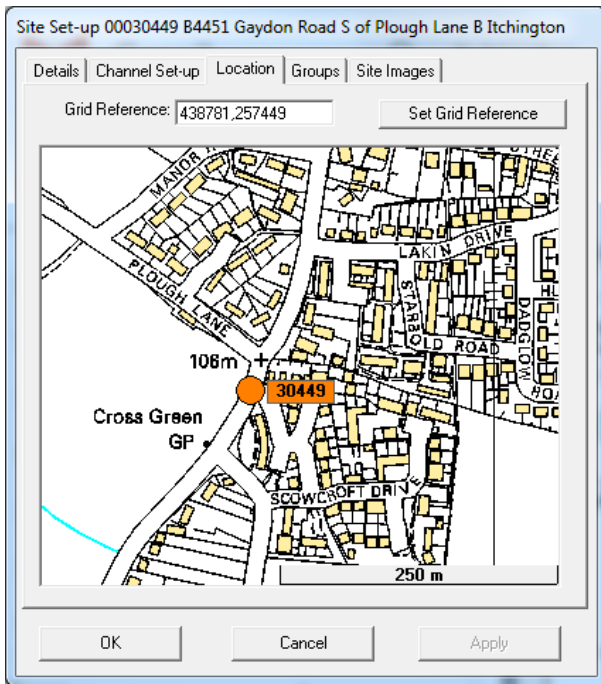


30448 Gaydon Road Northbound

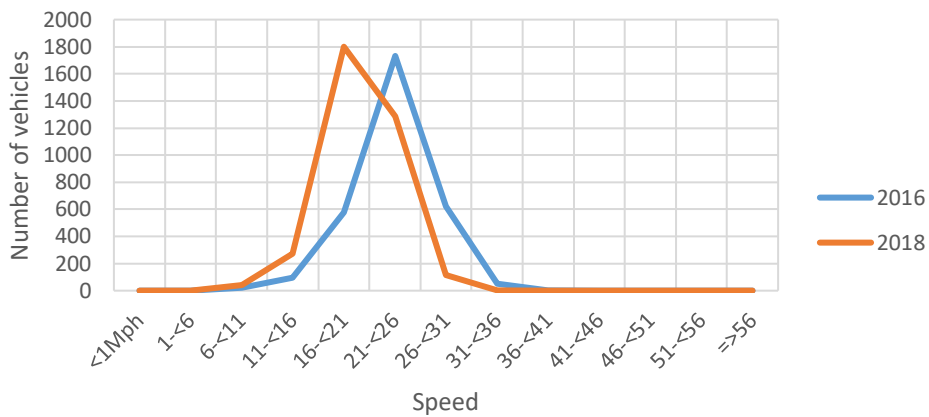


30448 Gaydon Road Southbound

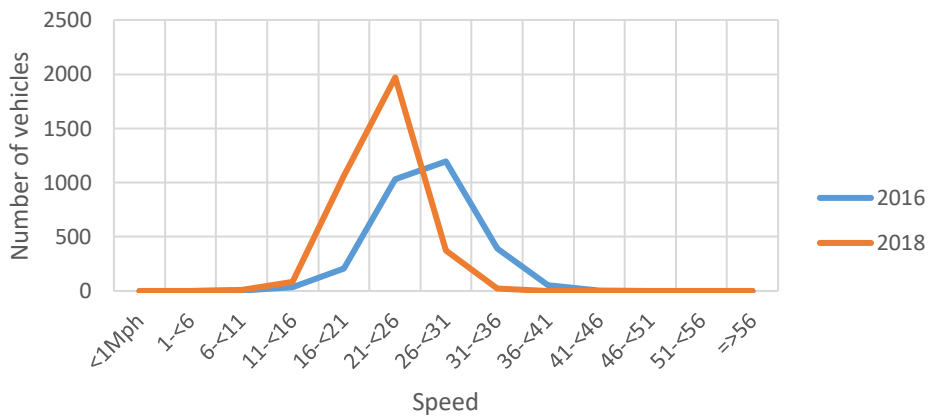


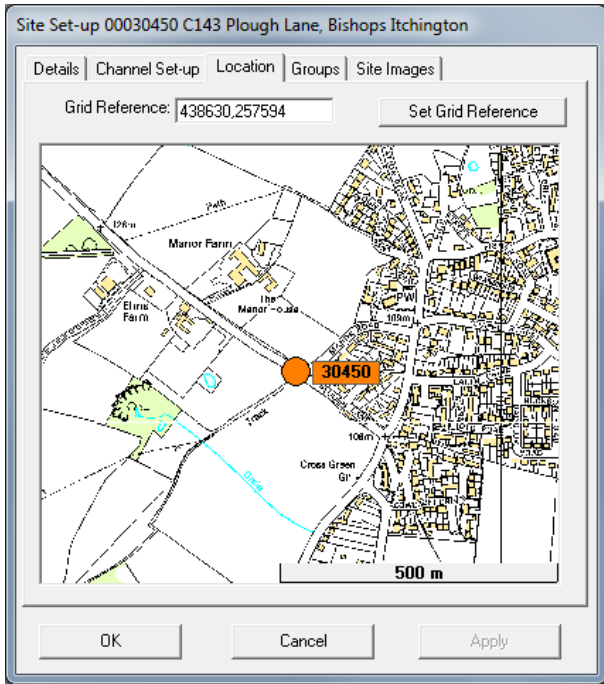


30449 Gaydon Road Northbound

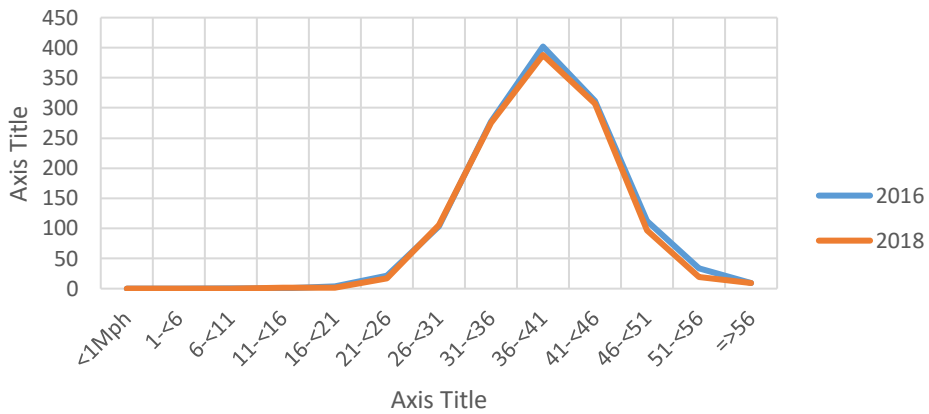


30449 Gaydon Road Southbound

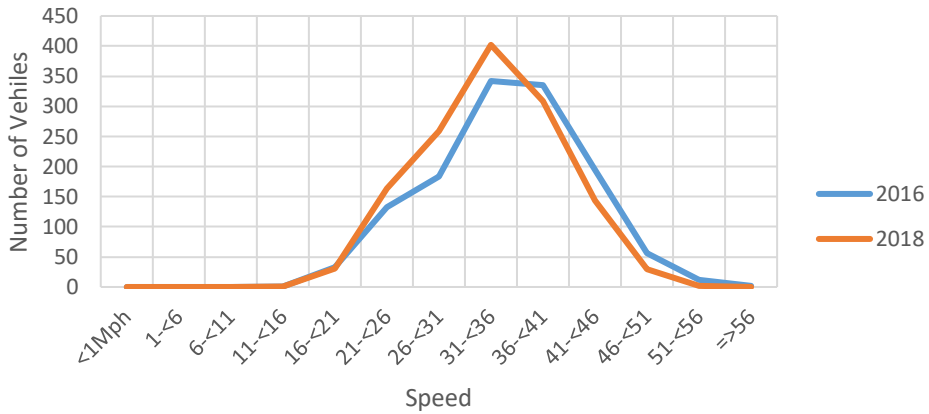


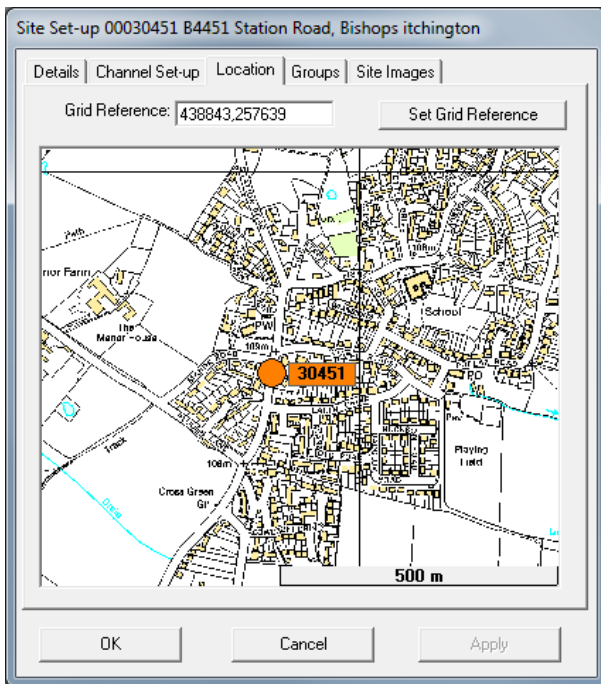


30450 Plough Lane Northwestbound

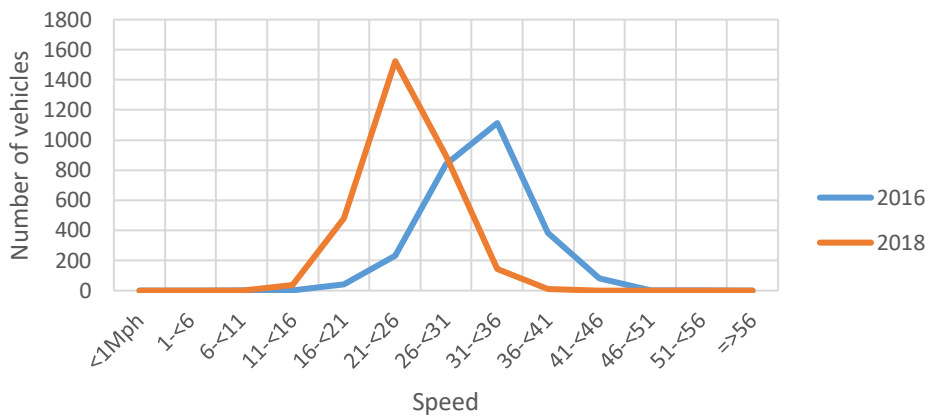


30450 Plough Lane Southeastbound

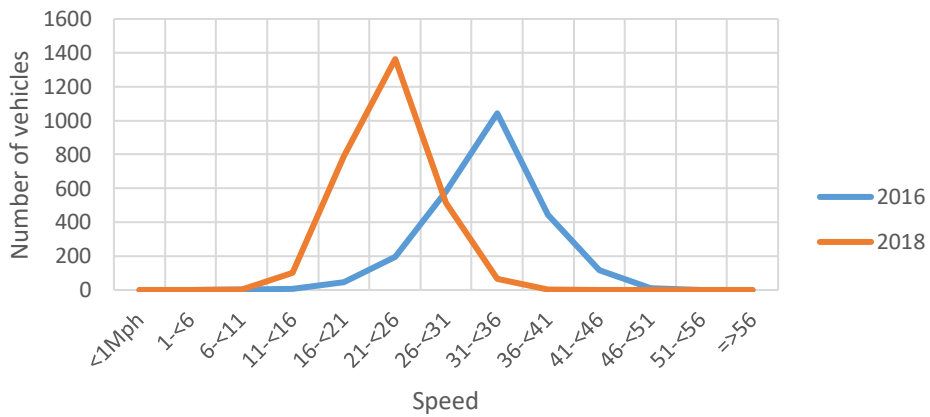


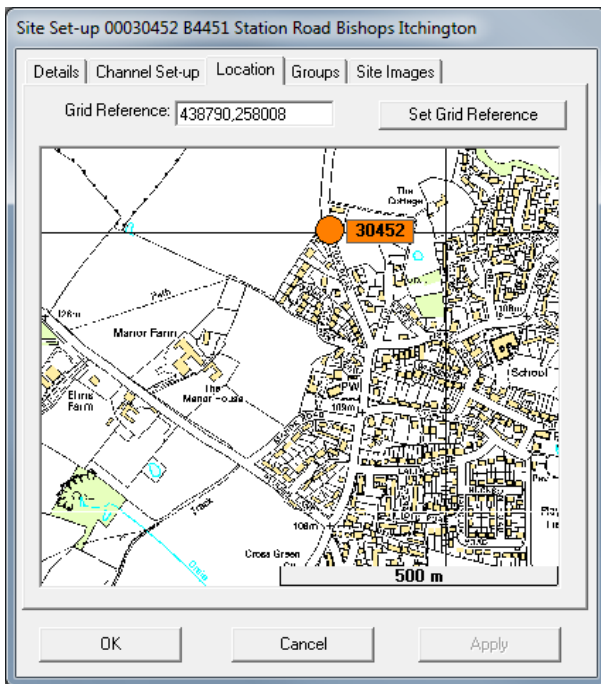


30451 Station Road Northbound

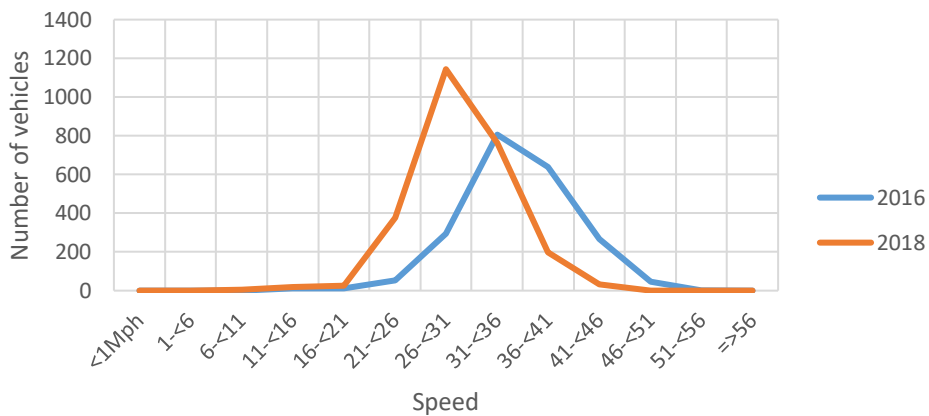


30451 Station Road Southbound

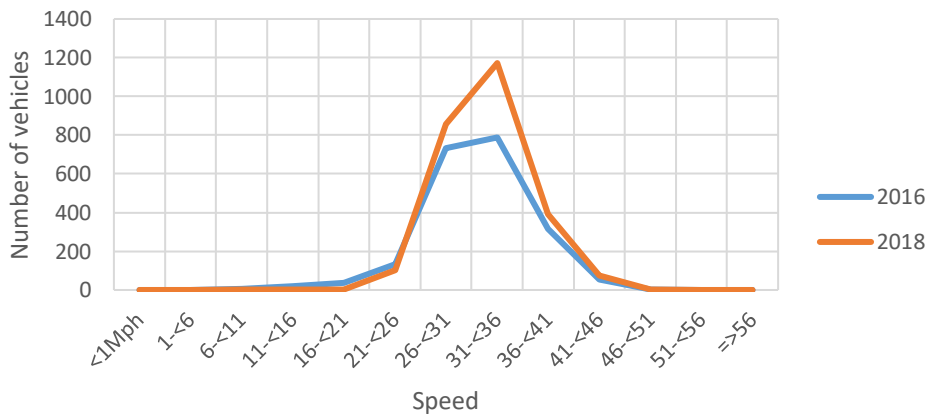


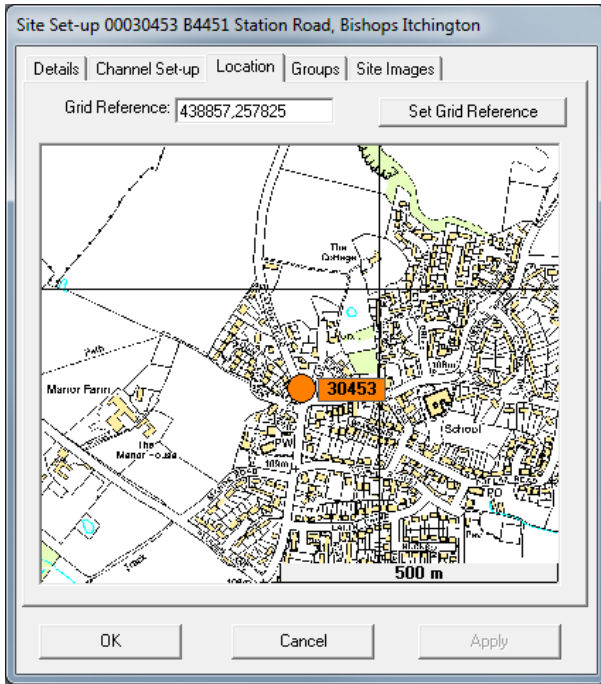


30452 Station Road Northbound

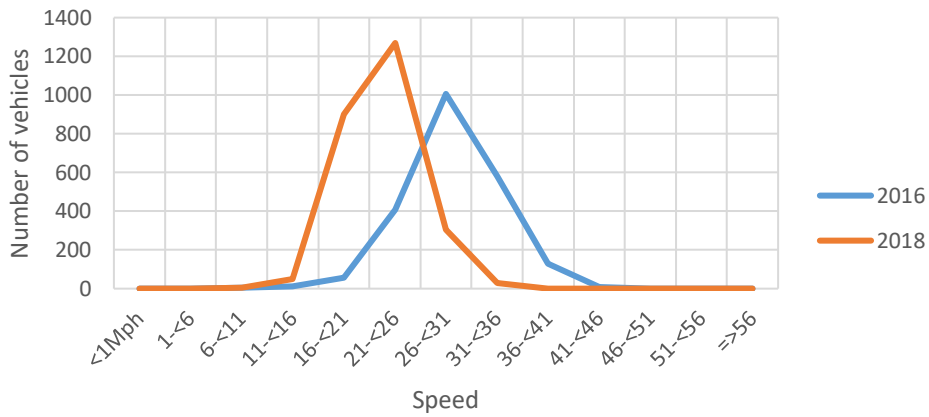


30452 Station Road Southbound

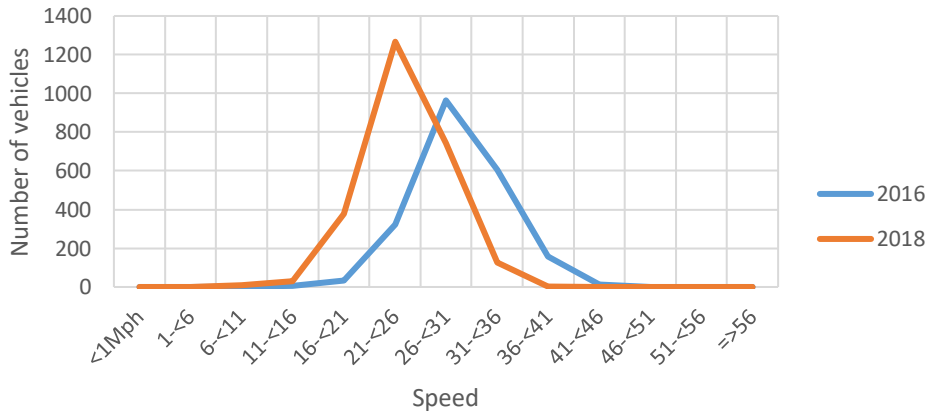


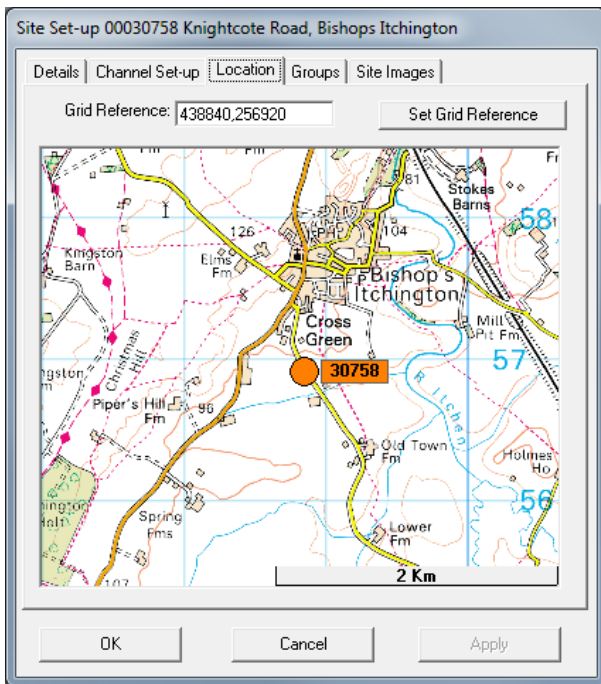


30453 Station Road Northbound

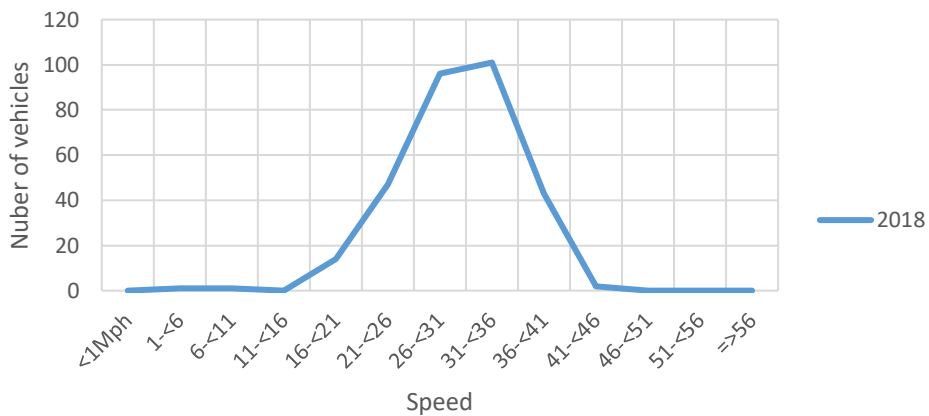


30453 Station Road Southbound





30758 Knightcote Road Northbound



30758 Knightcote Road Southbound

