

## **RadarClass**

U6139 Peachys Road, Cardinham  
August 2018

Report  
09/08/2018

**CORMAC Consultancy**  
**Engineering Design Group**  
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# RadarClass



**U6139 Peachys Road, Cardinham  
 August 2018**

**Eastbound / Westbound**

Route N <sup>o</sup>	Column N <sup>o</sup>	Neighbourhood Service Area	RadarClass Unit ID	Ordnance Survey Grid Reference
U6139	Post	East	Unit 2	212228 / 068923

Date of Deployment	End of Operation	Total Period of Operation
01/08/2018	08/08/2018	8 days

## Summary Table

 Speed Limit	All Observations		Weekdays		Weekends	
	Eastbound	Westbound	Eastbound	Westbound	Eastbound	Westbound
<b>Number of Observations:</b>	<b>1,155</b>	<b>1,406</b>	865	1,043	290	363
<b>Mean Speed (mph):</b>	<b>26.7</b>	<b>26.7</b>	26.8	26.9	26.5	26.1
<b>85%ile Speed (mph):</b>	<b>32</b>	<b>32</b>	32	32	32	31
<b>Standard Deviation:</b>	<b>5.5</b>	<b>5.4</b>	5.5	5.5	5.7	5.1
<b>% ≤  :</b>	<b>78.4%</b>	<b>78.4%</b>	78.4%	76.3%	78.3%	84.3%
<b>% 31 mph to 40 mph:</b>	<b>20.7%</b>	<b>20.8%</b>	20.7%	22.8%	20.7%	15.2%
<b>% &gt;40 mph:</b>	<b>1.0%</b>	<b>0.8%</b>	0.9%	0.9%	1.0%	0.6%

**Comments:**

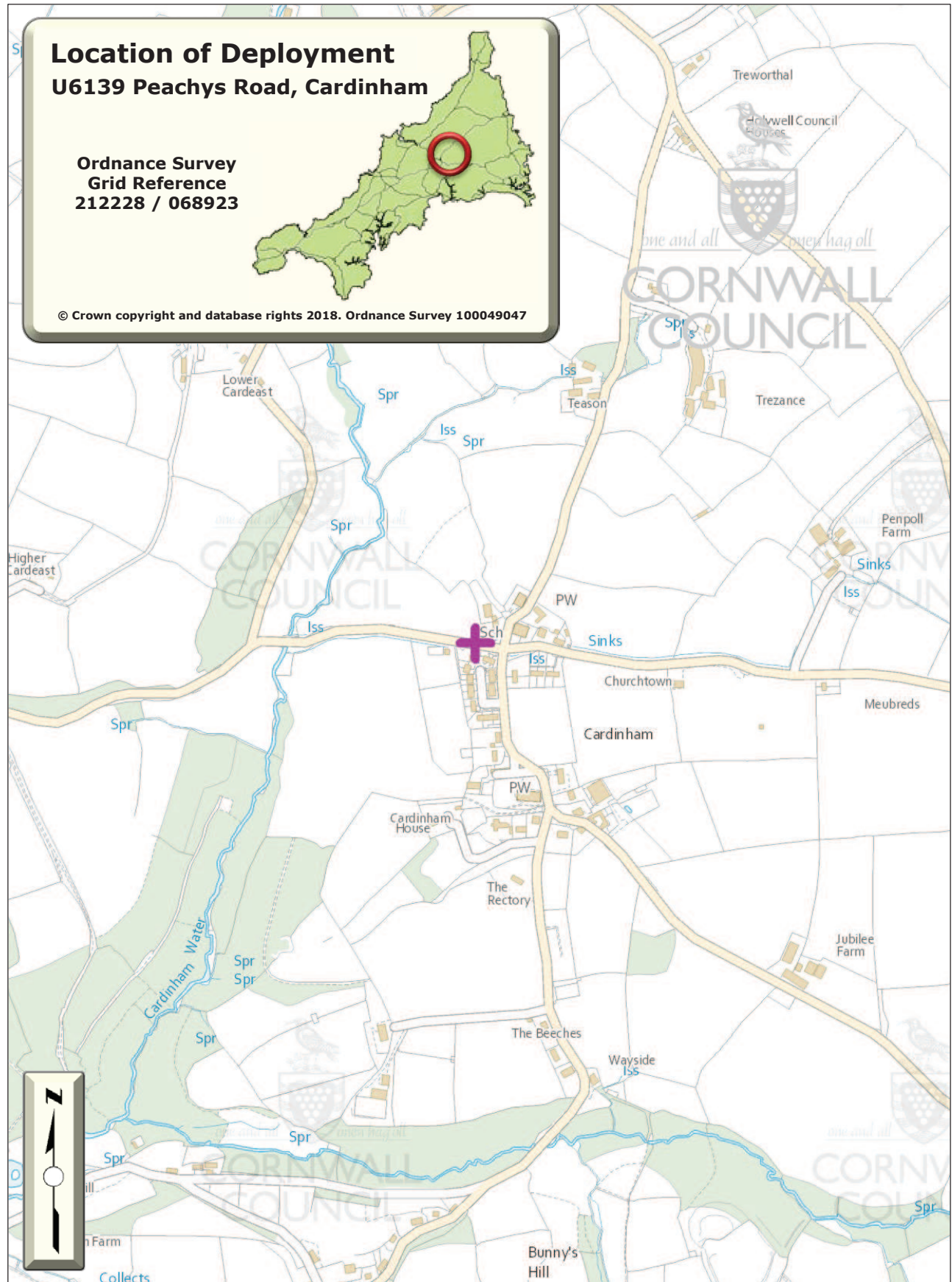
**Data Submitted by:**

Ken Dunn

**Data Processed by:**

Jim Rowe

# 1. Location Map.



## 2. Glossary of Terms & Abbreviations.

RadarClass is a portable radar device that detects and records the speed of passing vehicles. The unit is housed in an unobtrusive rugged black anti-vandal housing which can be mounted on any item of roadside furniture without looking conspicuous.

The principal role of the unit is to detect and count passing vehicles and log the date, time and speed at which they passed. Data collected can be used to determine the volume of traffic flow on the road on which the unit has been deployed.



- Nº of Observations:** The number of readings recorded by the radar. This does not correspond to an exact count of vehicles passing the sign, since vehicles may pass the sign in a tightly packed group (or 'platoon'); the radar will only record data for the 'lead vehicle' that is determining the speed for the remainder of the platoon.
- Mean Speed:** The arithmetic average of all the speed values recorded.
- 85%ile Speed:** The speed at or below which 85% of the vehicles recorded were travelling.
- Standard Deviation:** A measure of how widely speeds are dispersed from the Mean Speed.
- % ≤ 30 :** The percentage of vehicles travelling at speeds of 30 mph or below (i.e. the percentage of vehicles travelling at or within the 30 mph speed limit).
- % 31 mph to 40 mph:** The percentage of vehicles travelling at speeds of between 31 mph and 40mph.
- % >40 mph:** The percentage of vehicles travelling at speeds greater than 40 mph (i.e. the percentage of vehicles travelling at speeds in excess of 10mph above the 30 mph speed limit).