

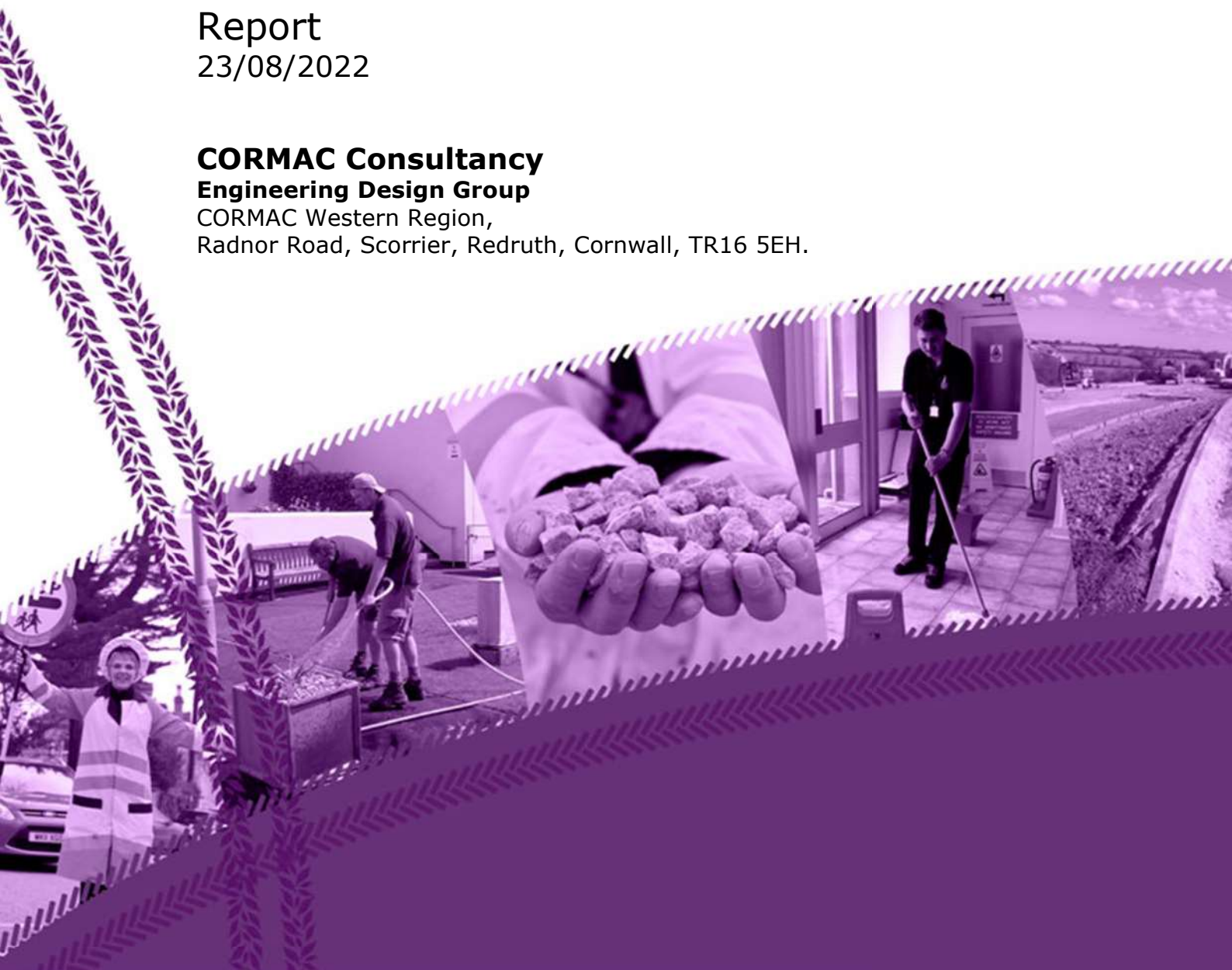





# RadarClass

C0220 Bethany  
August 2022

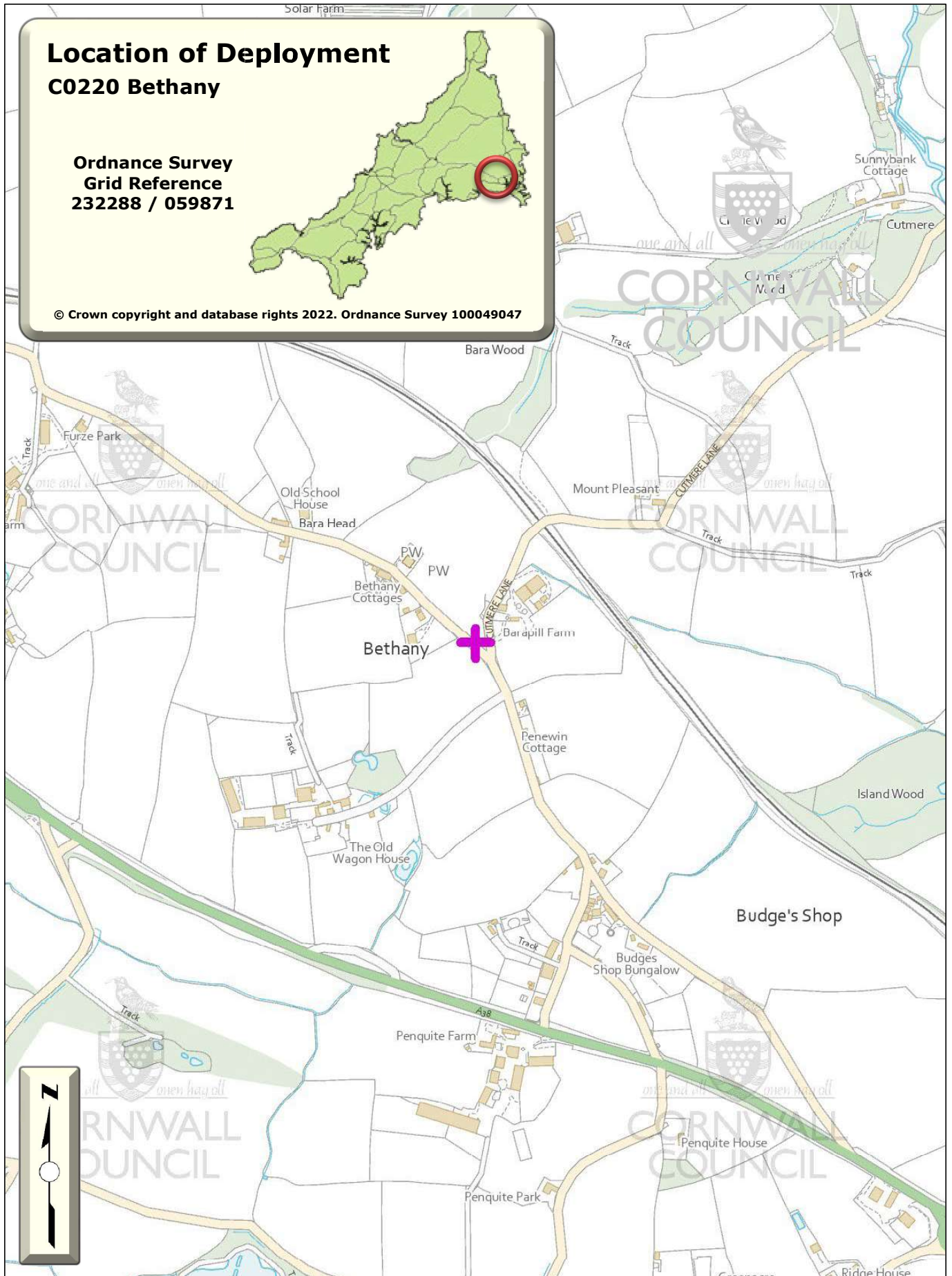
Report  
23/08/2022

**CORMAC Consultancy**  
**Engineering Design Group**  
CORMAC Western Region,  
Radnor Road, Scorrier, Redruth, Cornwall, TR16 5EH.



		<h1>RadarClass</h1>				
		<h2>C0220 Bethany August 2022</h2> <h3>South-eastbound / North-westbound</h3>				
Route No	Column No	Neighbourhood Service Area	RadarClass Unit ID	Ordnance Survey Grid Reference		
C0220	Post	East	Unit 8	232288 / 059871		
Date of Deployment		End of Operation		Total Period of Operation		
11/08/2022		18/08/2022		8 days		
Summary Table						
 Speed Limit	All Observations		Weekdays		Weekends	
	South-eastbound	North-westbound	South-eastbound	North-westbound	South-eastbound	North-westbound
<b>Number of Observations:</b>	<b>923</b>	<b>1,071</b>	704	837	219	234
<b>Mean Speed (mph):</b>	<b>29.2</b>	<b>28.5</b>	29.2	28.2	29.4	29.6
<b>85%ile Speed (mph):</b>	<b>35</b>	<b>35</b>	35	35	35	35
<b>Standard Deviation:</b>	<b>5.8</b>	<b>7.1</b>	5.7	7.4	6.0	6.0
<b>% ≤  :</b>	<b>100.0%</b>	<b>100.0%</b>	100.0%	100.0%	100.0%	100.0%
<b>% 61 mph to 70 mph:</b>	<b>0.0%</b>	<b>0.0%</b>	0.0%	0.0%	0.0%	0.0%
<b>% &gt;70 mph:</b>	<b>0.0%</b>	<b>0.0%</b>	0.0%	0.0%	0.0%	0.0%
<b>Comments:</b>						
<b>Data Submitted by:</b>	Ken Dunn		<b>Data Processed by:</b>	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.



<b>Nº of Observations:</b>	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.
<b>Mean Speed:</b>	The arithmetic average of all the speed values recorded.
<b>85%ile Speed:</b>	The speed at or below which 85% of the vehicles recorded were travelling.
<b>Standard Deviation:</b>	A measure of how widely speeds are dispersed from the Mean Speed.
<b>% ≤  :</b>	The percentage of vehicles travelling at speeds of 60 mph or below (i.e. the percentage of vehicles travelling at or within the 60 mph speed limit).
<b>% 61 mph to 70 mph:</b>	The percentage of vehicles travelling at speeds of between 61 mph and 70mph.
<b>% &gt;70 mph:</b>	The percentage of vehicles travelling at speeds greater than 70 mph (i.e. the percentage of vehicles travelling at speeds in excess of 10mph above the 60 mph speed limit).