

# Local Environmental Audit and Management System (LEAMS) Surveys

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Keep Wales Tidy



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Established in 1972

55 staff across Wales

Our role includes :

- Improving and protecting the environment - creating sustainable solutions
- Working with communities and schools
- Behavioural change through - education, campaigns and events
- Data collection, research and policy development.

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# History of LEAMS (Wales)

- 1996 – Only Cities surveyed
- 1999-2001 – 7 pilot Local Authorities
- 2006 – Only 5 Local Authorities surveyed
- 2007 - All Welsh Local Authorities surveyed

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# LEAMS provides:

- A measure of street cleanliness at the local and national level
- Information on issues which adversely affect the local environment
- Monitoring to assess improvement
- An opportunity to share good practice

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# The Surveys

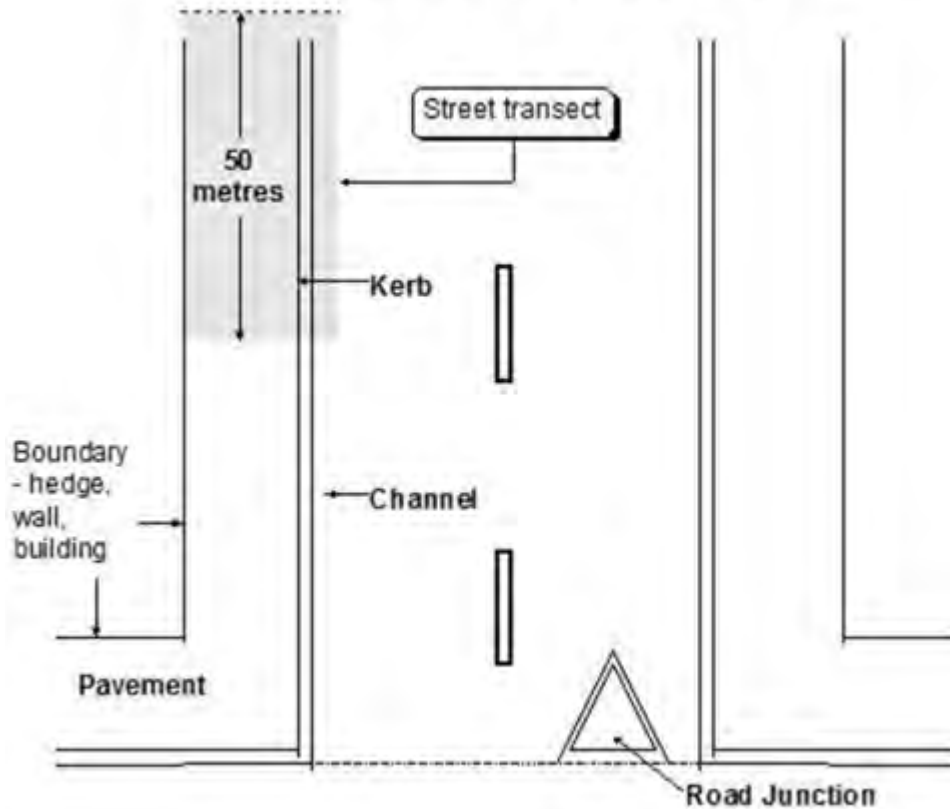
- 8% - two 4% surveys of randomly selected streets . (Spring, Summer / Autumn, Winter )
- Zones



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# Street Transect








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# What do we record ?

## Street Cleanliness

	<b>Grade A</b> No litter or refuse
	<b>Grade B+</b> No more than 3 small items of litter or refuse
	<b>Grade B</b> Predominantly free of litter and refuse apart from some small items
	<b>Grade C</b> Widespread distribution of litter and/or refuse with minor accumulations
	<b>Grade D</b> Heavily affected by litter and/or refuse with significant accumulations



Dog fouling can affect grade

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# How to Calculate the Cleanliness Index (CI)

$$\text{Cleanliness Index} = \frac{\text{Actual Score}}{\text{Maximum Score}} \times 100$$

**To calculate the Actual Score:**

(Number of Grade A) x3 + (Number Grade B+) x2.5 +

(Number of Grade B) x2 + (Number of C) x1+

(Number of transects of Grade D) x 0

**Calculate the Maximum Score** (if all transects were Grade A):

(Total number of transects surveyed) x3

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# CI across Wales 2011- 12



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# We also collect – “Types”

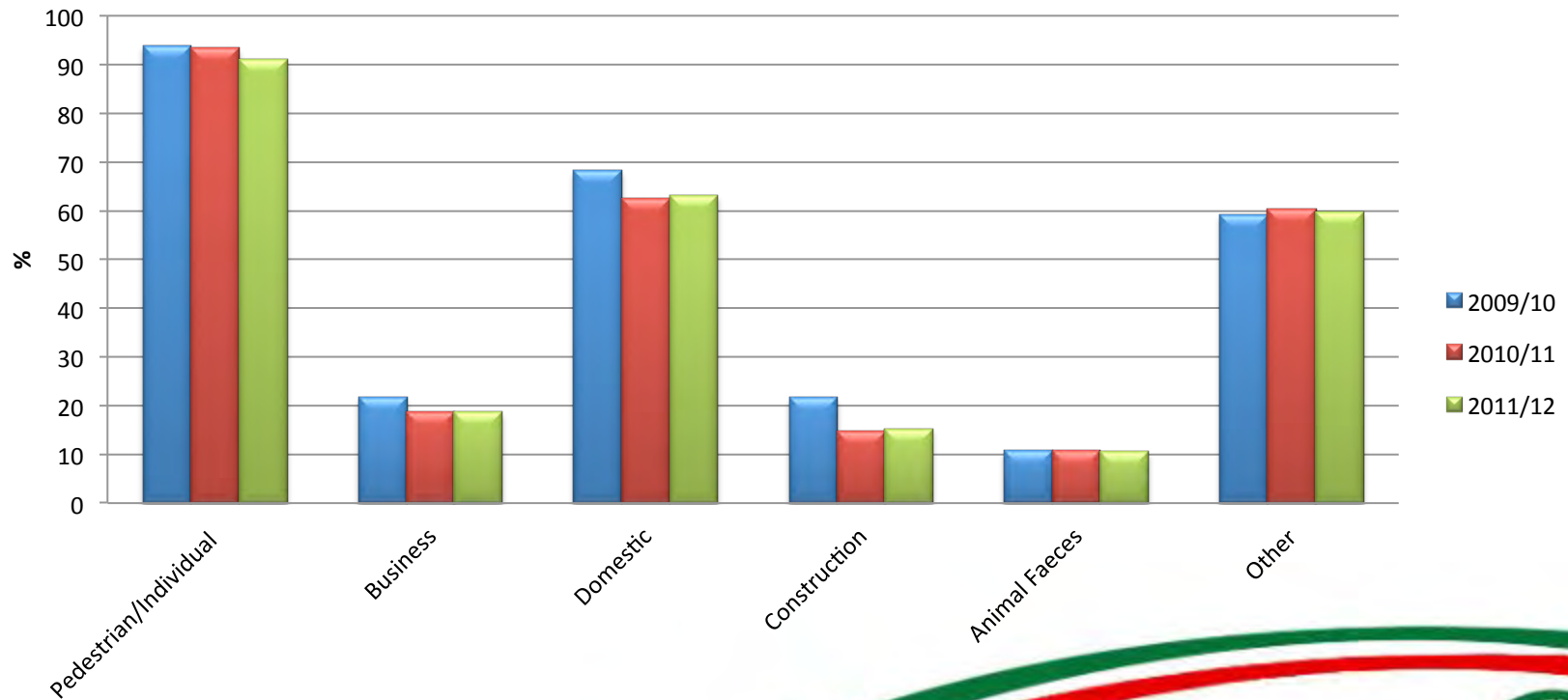


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# Sources

## Sources by Year



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# Adverse Environmental Quality Indicators



Detritus



Dog Fouling



Fly-posting



Weeds



Graffiti



Vandalism



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# From Paper to Zoom



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# How we record

Initials of Surveyors:		Types													Sources												
Date:		1-Smoki	2a A/c	2b non	2c both	drin	3-Sweets	4-F/Foo	Sources	1-Ind/Pe	2-Business	3-Domestic	4-Construction														
Street	Place	Transect	Time	Grade	Zone	Dog Fouling	Vandalism	Weeds	Detritus	Graffiti	Flyposting	Bins (> 75% full)	Types				Sources							Comments	Photo	Red	Design
													1	2	3	4	1	2	3	4	5	6	7	G			

Type numbers

Source numbers

Insert street name

1-5 grades  
"1 being not present"

A-E grades  
"A being not present"

Example  
"Large amount of Flytipping on Transect"

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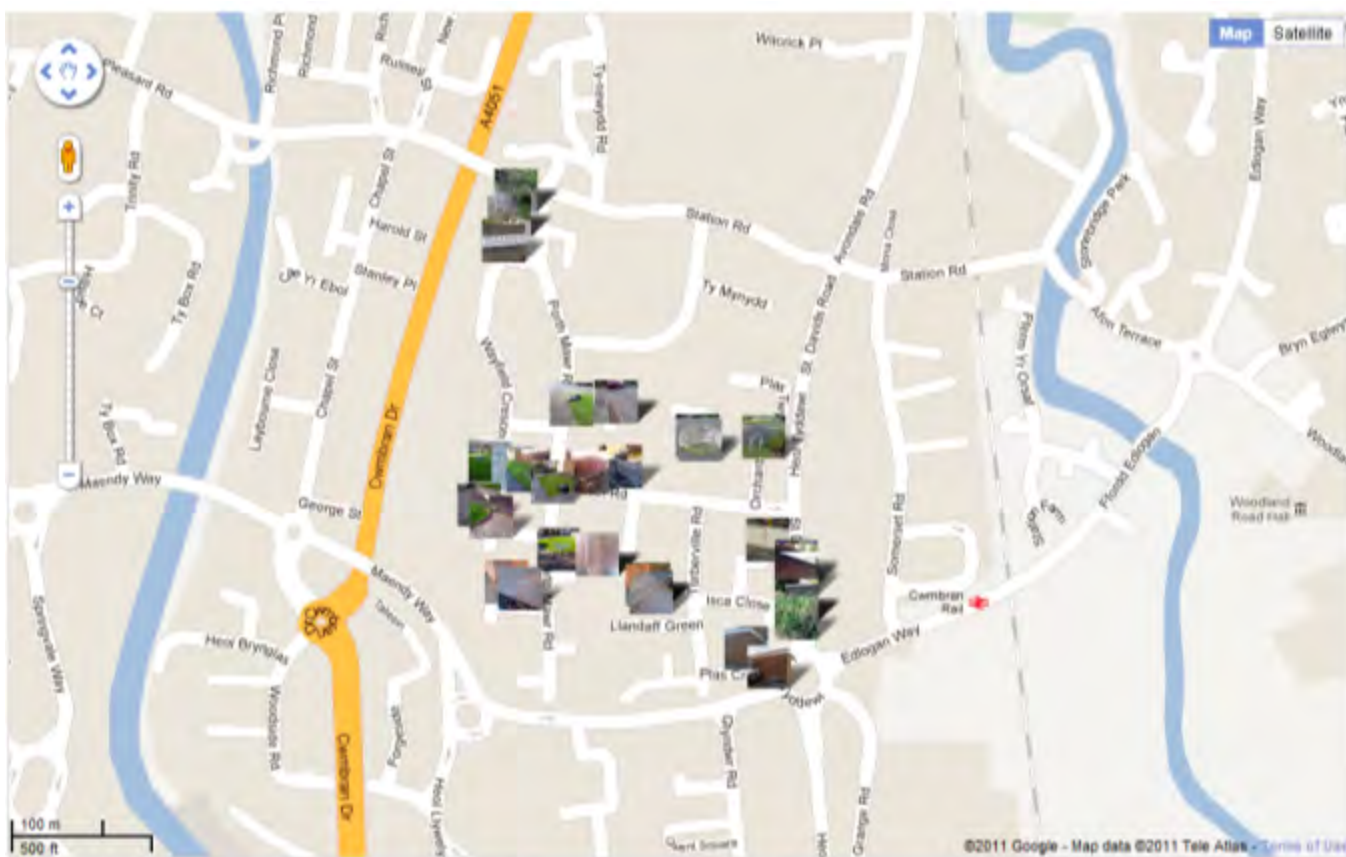
# Data sheet

Initials of Surveyors: HJ, CJ, JC		Types		1-Smoki 2-Drink 3-Sweet 4-F/Road		Sources		1-Ind/Pk 2-Business 3-Domes 4-Constructor 5-Animal Faeces 6-Other		Bins (> 75% full)		Types							Sources							Comments			Photo	Red	Design							
County: Caerphilly		Date: 6-8 February		Grade		Grade		Grade		Grade		1 2 3 4 1 2 3 4 5 6 7 G																										
Street	Place	Transect	Time	Zone	Dog Fouling	Vandalism	Weeds	Detritus	Graffiti	Flyposting	Bins (> 75% full)	1	2	3	4	1	2	3	4	5	6	7	G															
OAK LANE	MACH	1	8.43 b	3	1	1	2 b	a	a			0	x	x	x	x																						
OAKFIELDS GARDENS	MACH	2	8.44 b+	3	1	1	2 b	a	a			0	x	x	x	x																						
RECTORY GARDENS	MACH	3	8.5 b	3	1	1	3 b	a	a			0	x	x	x	x																						
STATION STREET	MACH	4	8.57 b	2	1	1	2 c	a	a			1	0																									
GARTH PLACE	RUDRY	5	9.09 b	3	1	1	2 b	a	a			0	x	x	x	x	x	x																				
UPPER GLYN GWYN STREET	TRETH	6	9.19 c	2	1	1	2 b	a	a			0	x	x	x	x	x																					
THE AVENUE	TRETH	7	9.32 b	2	2	1	2 b	a	a			0	x	x	x	x	x	x																				
AEL-Y-BRYN	TRETH	8	9.37 b	2	1	1	2 b	a	a			0	x	x	x	x																						
BRYN CLOSE	TRETH	9	9.44 b	3	1	1	2 b	a	a			0	x	x	x	x	x	x																				
TOLLGATE CLOSE	RUDRY	10	9.5 b	3	1	1	2 a	a	a			0	x	x	x	x																						
CWRT TY MAWR	CAERP	11	9.59 b	3	1	1	2 b	a	a			0	x	x	x	x	x																					
VAN ROAD	CAERP	12	10.01 b	1	2	1	2 b	a	a			0	x	x	x	x																						
CWRT NANT Y FELIN, CASTLE VIEW	CAERP	13	10.14 b	3	1	1	2 b	b	a			0	x	x	x	x	x																					
DOL-Y-PAUN	TRECEI	14	10.23 b	3	1	1	2 b	a	a			0	x	x	x	x	x																					
COED-YR-EGS	TRECEI	15	10.27 b	3	1	1	2 b	a	a			0	x	x	x	x																						
LON-Y-TRESGLEN	TRECEI	16	10.28 b	3	1	1	2 b	a	a			0	x	x	x	x	x																					
TEGFAN	TRECEI	17	10.4 c	2	2	1	2 b	a	a			0	x	x	x	x	x																					
WHITE CROSS LANE	TRECEI	18	10.56 c	2	1	1	2 b	a	a			0	x	x	x	x	x																					
HOLYHEAD COURT	HENDF	19	11.03 b	3	1	1	2 b	a	a			0	x	x	x	x																						
ALEXANDRA TERRACE	SENGH	20	11.16 b	2	1	1	2 b	b	a			0	x	x	x	x																						
THOMAS ST	ABERT	21	11.26 c	1	1	1	1 b	b	a			1	0																									
HEOL TIR BACH	PENYR	22	11.38 b	2	1	1	2 b	a	a			0	x	x	x	x																						
TIR COED	PENYR	23	11.43 b	2	1	1	2 b	b	a			0	x	x	x	x																						
NEW STREET	PWLLY	24	11.52 b	2	1	1	2 b	a	a			0	x	x	x	x																						
HEATHLANDS	YSTRA	25	12.07 b	3	2	1	2 b	a	a			0	x	x	x	x																						
COMMERCIAL STREET	YSTRA	26	12.18 b	1	2	1	1 a	a	a			1	0																									
AVENUE CLOSE	YSTRA	27	12.23 b	3	1	1	2 b	a	a			0	x	x	x	x	x																					
TAWELFAN	NELSO	28	12.49 b	2	1	1	2 a	a	a			0	x	x	x	x	x																					

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# Future ?



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# Thank you

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