

Site name	Site code	Date of visit	OS X	OS Y	Latitude	Longitude	UTM
Ealing 7	EA7	07/08/2007	511679	180072	51 30' 31N	0 23' 32W	30U 692861.28E, 5687167.22N

Satellite pictures

Date:
20/06/2007 -
08/072007

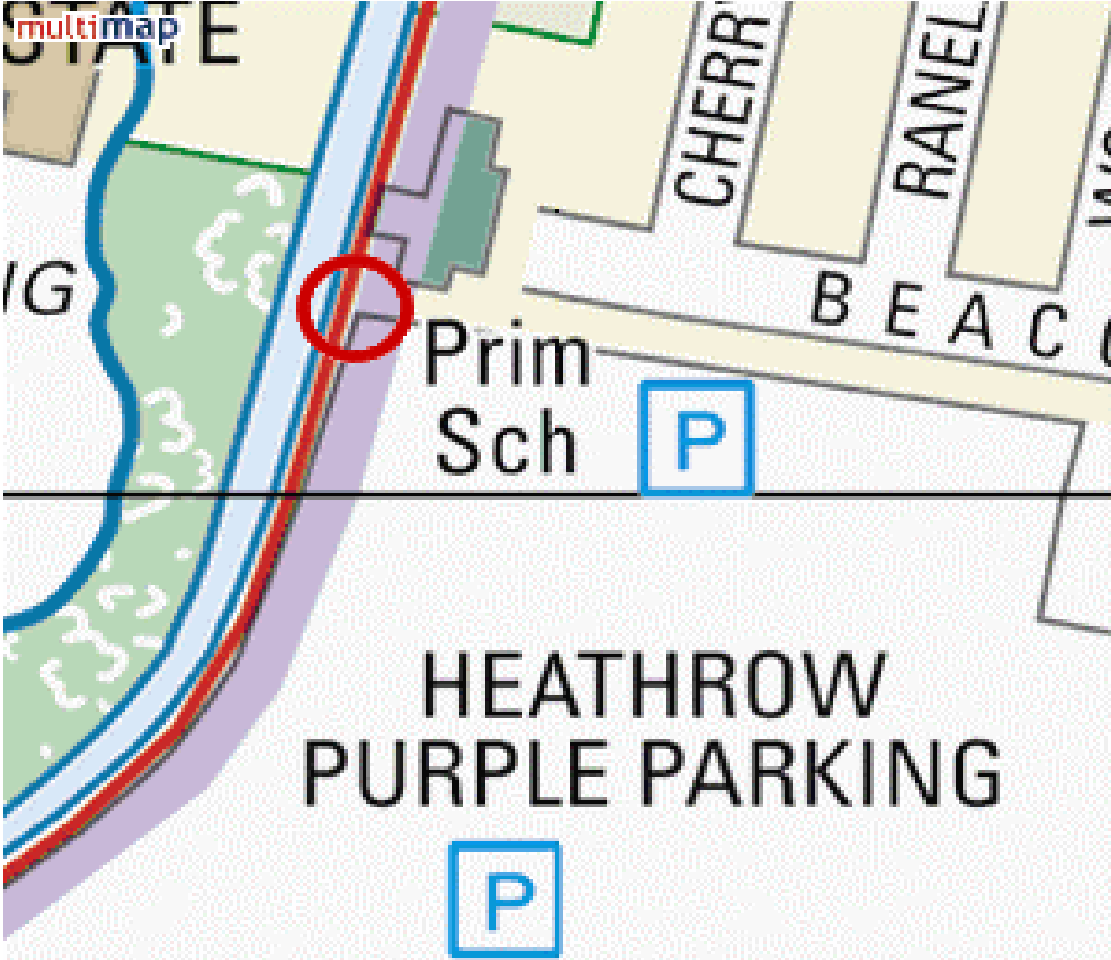
Local scale
(100 m radius)



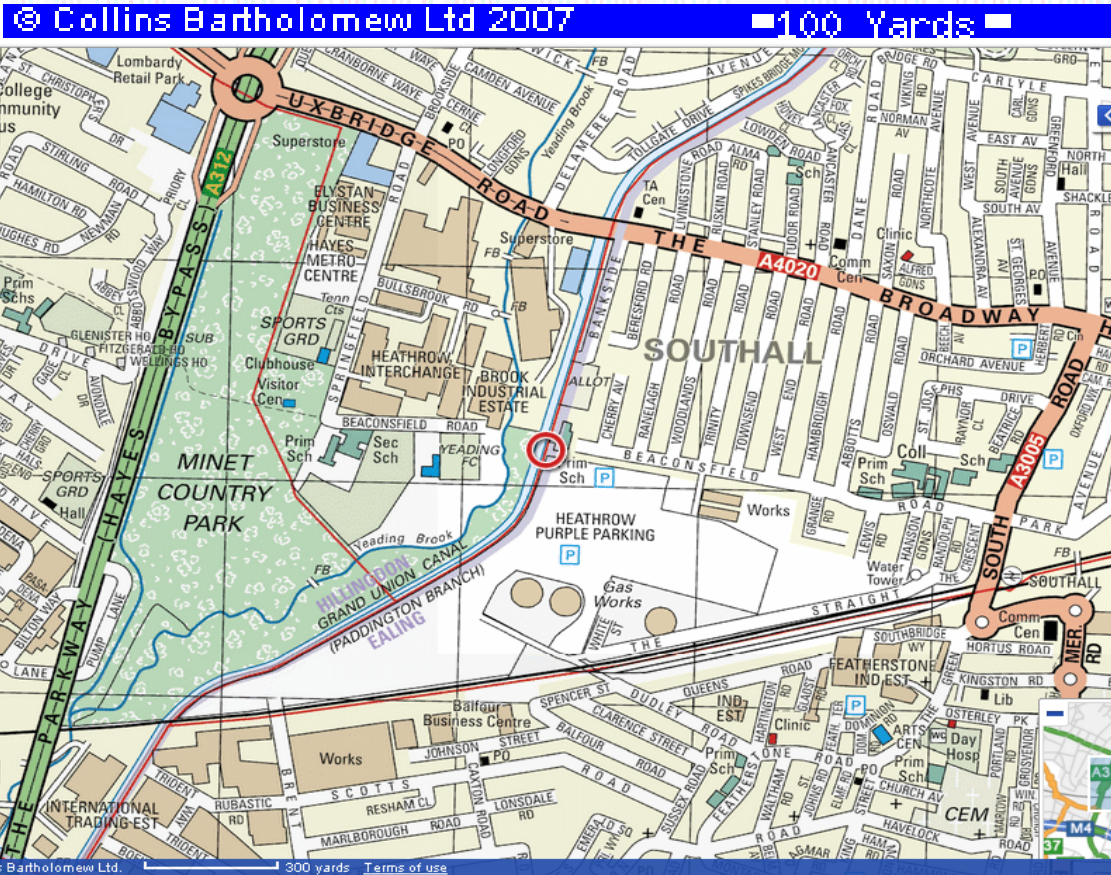
Meso Scale
(1km radius)



Street maps



Local scale
(100 m radius)



Meso Scale
(1km radius)

Site classification	LAQN Classification	Station Type
	Urban Background	Urban Meteorological

Urban climate zone	Meso (1 km radius)	Local (100 m radius)	Micro (30 m radius)
	3 (E) / 4 (W)	4	4

% Land cover		100 m	1 km
	Vegetated	46.0	38.9
	Built over	38.6	44.1
	Water	12.1	3.17
	Road	3.3	13.8

Main Land use	Direction	Land use (MAJOR / minor)
	N	INDUSTRIAL/ green field
	E	RESIDENTIAL
	S	CAR PARK/ industrial
	W	GREEN FIELDS/ residential

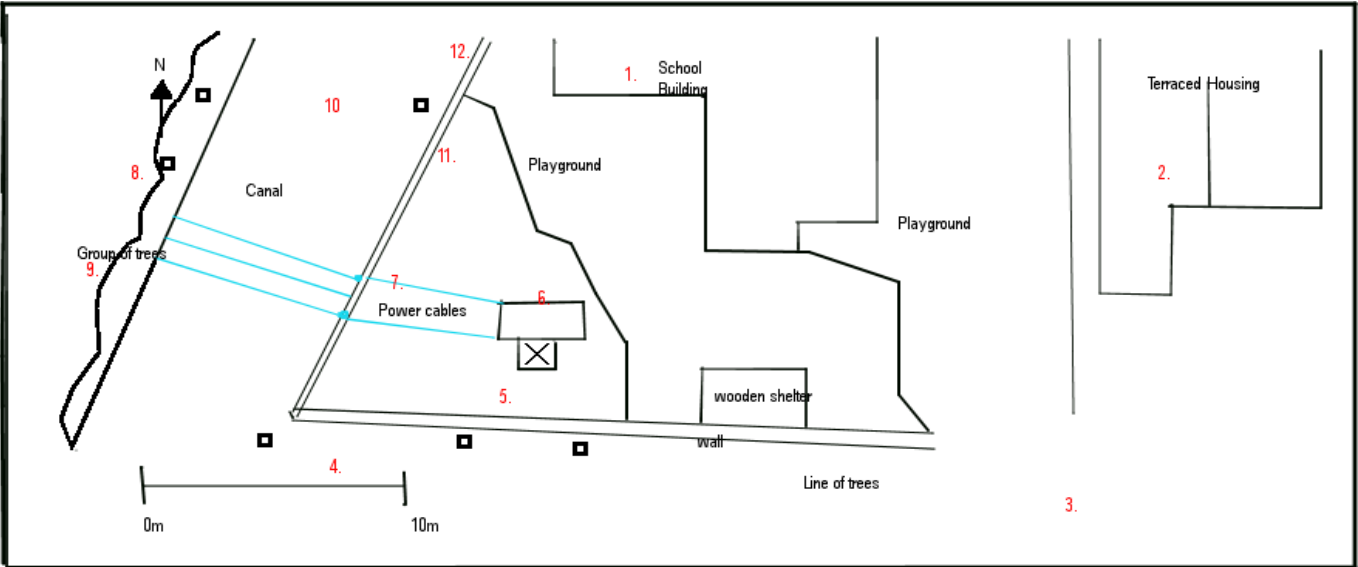
Site description	Meso (1 km radius)	Local (100 m radius)	Micro (30 m radius)
	A mix of urban housing, large buildings/roads and some green fields.	To the East, the school building, housing and a large car park dominate. To the West, is the canal and an area of densely packed trees.	School playground; immediately next to a large canal which is in use. Behind the site runs a walkway and a tall row of trees. To the East there are terraced houses.

Station photo







Plan view
diagram
(30 m radius)

KEY
□ : Tree
X : Station

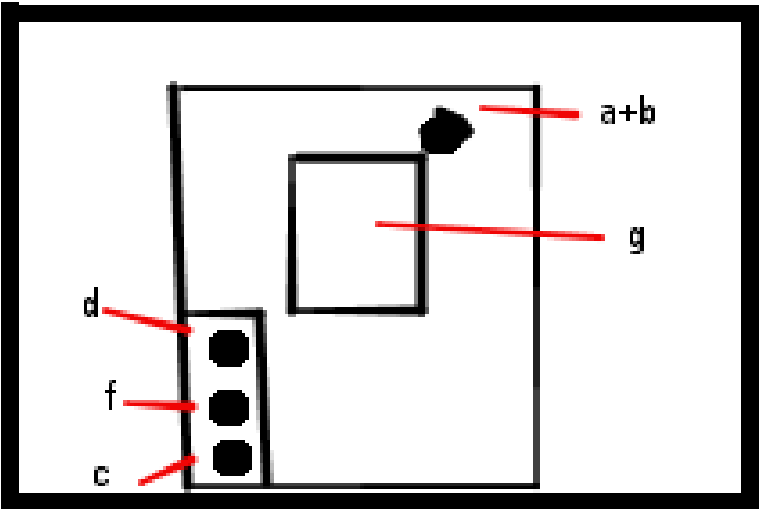


Site obstacles

Sketch key	Type	Detail	Wall material	Roof material	View from station
1	School Building	Traditional	Red brick	Brown slate	
2	Houses	Terraced	Pebbledash/ brick/ painted	Red slate	
3	Line of trees	Deciduous	N/a	N/a	
4	Tree	Deciduous	N/a	N/a	
5	Tree	Deciduous	N/a	N/a	
6	Fenced-off 'pen'	Houses end of pylon cables and overgrown vegetation	Green painted wood	N/a	
7	Electricity pylon	N/a	Wooden post/ cables	N/a	

8	Tree	Deciduous	N/a	N/a	
9	Line of trees	Deciduous	N/a	N/a	
10	Canel	Runs along west side of station	N/a	N/a	(Unavailable)
11	Tree	Deciduous	N/a	N/a	
12	Line of trees	Deciduous	N/a	N/a	

Instrument diagram
(Plan view)



Instruments

Sketch key	Name	Variable	True height	Concerns
a	Young's Wind vane	Wind speed	7.29	Serious concern: surrounded by very large trees
b	Young's Wind vane	Wind direction	7.29	Serious concern: surrounded by very large trees
c	Temperature sensor	Air Temperature	3.13	N/a
d	Relative Humidity Gauge	Relative Humidity	3.13	N/a
e	TEOM	Air Pressure	3.13	N/a
f	Sample Inlet	Air Quality	3.13	N/a
g	Air conditioning unit	N/A	3.13	N/a

Instrument images



Above:
Instruments
(a) & (b)

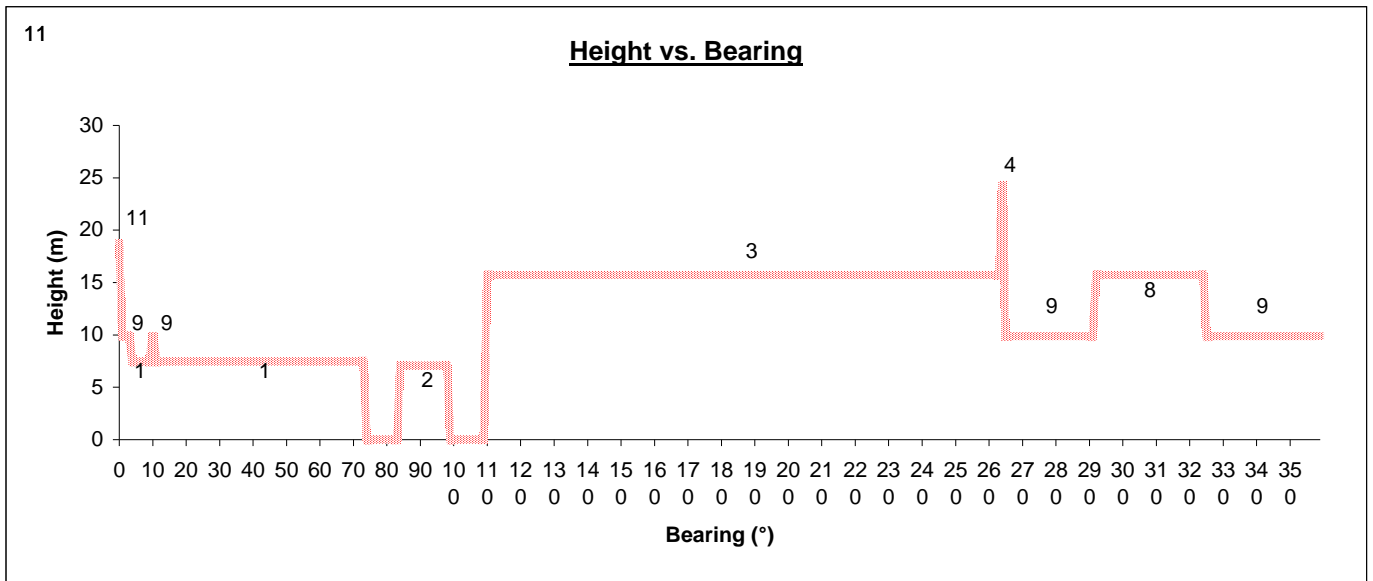


Above:
Instruments (c),
(d) & (f)



Left:
Instruments (e)

Graphs
Height vs.
bearing



Other influences

Heat sources

Bearing from site (°)	Source	Location	Detail
Apr-73	School Buildings	North of station	Internal heating/windows reflect solar radiation
N/a	Air conditioning unit	On station; northeast corner	N/a
294 - 310	Electricity pylon	Northwest of station	Possible heating around cables

Traffic

No road traffic. Light canal traffic	Seasonal features	Summer: trees in full leaf (mostly deciduous)	Temporary fixtures	None
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Task	Initial
Who visited the site	RW, KR
Who filed the report	KR
Who produced the plots	KR

N.B. values given to 3 s.f.