

Pearson Edexcel International Advanced Level

Wednesday 9 January 2019

Afternoon (Time: 1 hour 30 minutes)

Paper Reference **WGE02/01**

Geography

International Advanced Subsidiary

Paper 2: Geographical Investigations

Resource Booklet

Do not return this Resource Booklet with the question paper.

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Figure 1
A coastal landscape

**World Health Organisation (WHO)
recommended maximum pollution level**

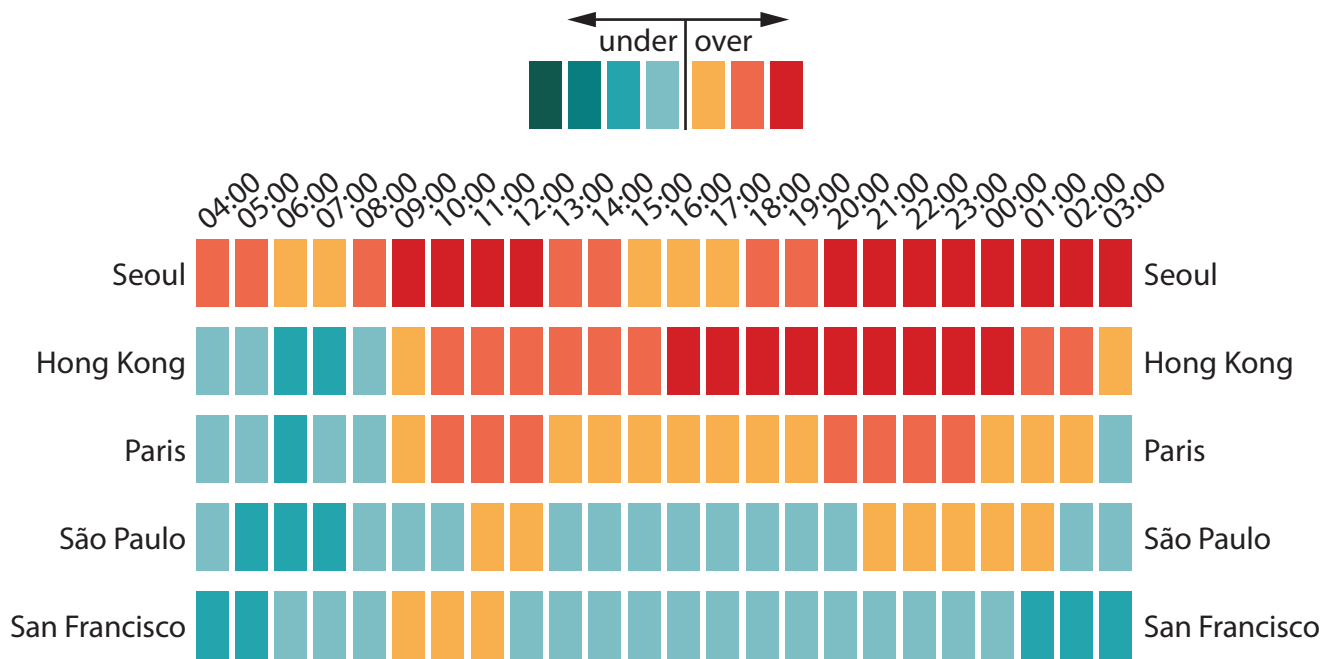


Figure 2
Nitrogen dioxide air pollution levels for a range of cities



Figure 3a

Google Earth screenshot of a mangrove forest

Site number	1	2	3	4	5	6	7	8	9	10
Distance along transect (m)	0	3	4	5	7	8	14	20	33	57
Plant name (% of total plant cover)										
Green Gutweed	0	20	10	5	30	25	0	0	0	0
Sea Purslane	0	80	80	70	25	5	20	20	20	0
Cordgrass	0	0	5	0	5	15	10	10	10	0
Sea Arrow Grass	0	0	0	0	0	0	0	30	45	10
Salt Marsh Grass	0	0	5	25	40	55	70	20	15	10
Sea Plantain	0	0	0	0	0	0	0	20	10	20
Red Fescue	0	0	0	0	0	0	0	0	0	60

Figure 3b

Fieldwork results from a salt marsh transect (% cover)

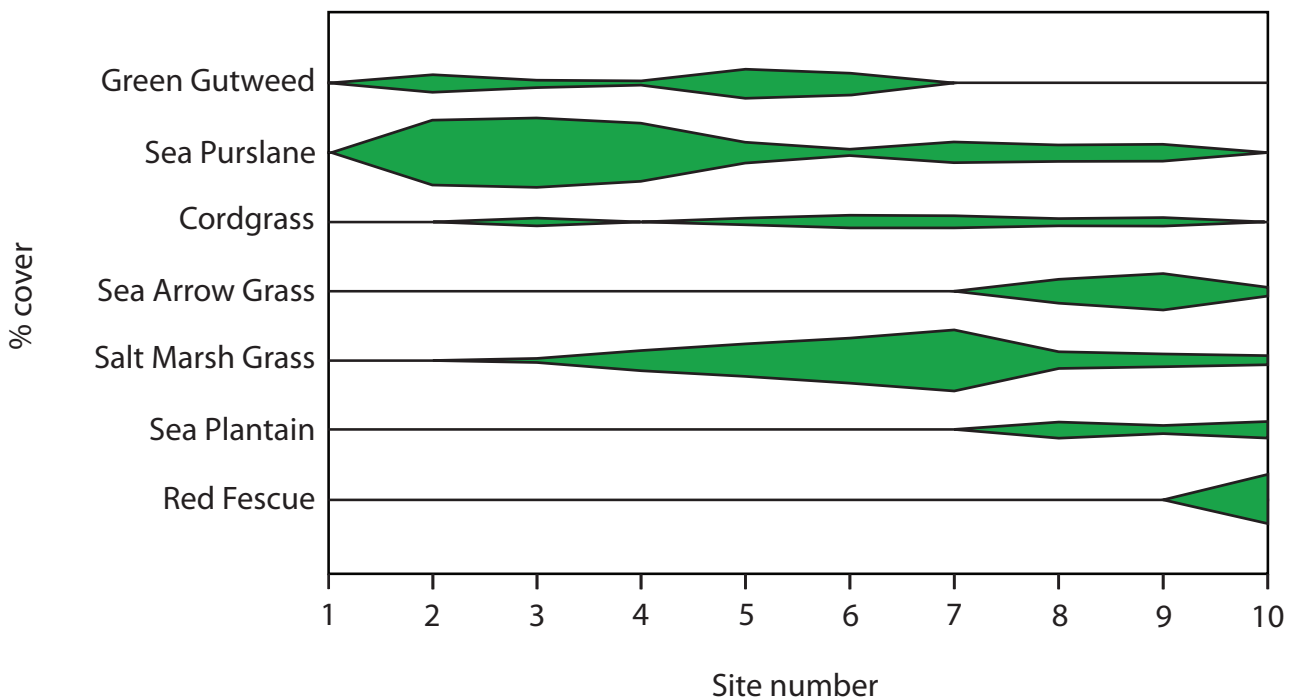


Figure 3c

A kite diagram showing the results of primary fieldwork data

DETROIT

United States

Traffic Flow

Traffic Incidents

Delay Hotspots

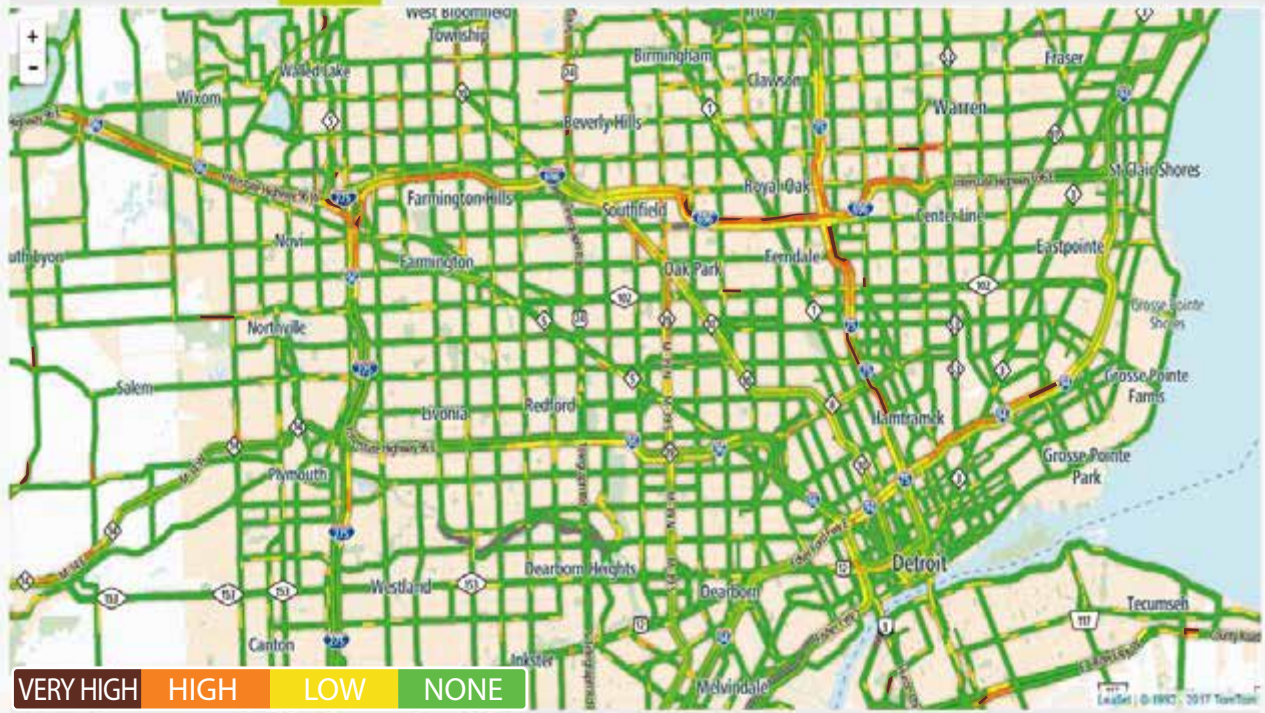


Figure 4a

A screenshot of a traffic flow map of the city

Site number	1	2	3	4	5	6	7	8	9	10
Distance along transect (m)	0	300	400	500	700	800	1400	2000	3300	5700
Vehicle and transport type										
Heavy Goods Vehicle (HGV)	15	20	20	20	55	25	0	0	0	0
Light Goods Vehicle (LGV)	0	100	95	95	95	65	25	20	0	0
Cars	75	95	115	220	45	20	15	10	45	60
Minibus	0	0	0	0	0	0	0	5	10	0
Taxis	0	10	10	25	30	75	75	55	0	0
Motorcycles	0	0	5	15	0	0	0	10	5	0
Cycling	0	0	0	0	0	0	0	25	45	50

Figure 4b

Fieldwork results from a vehicles and transport survey

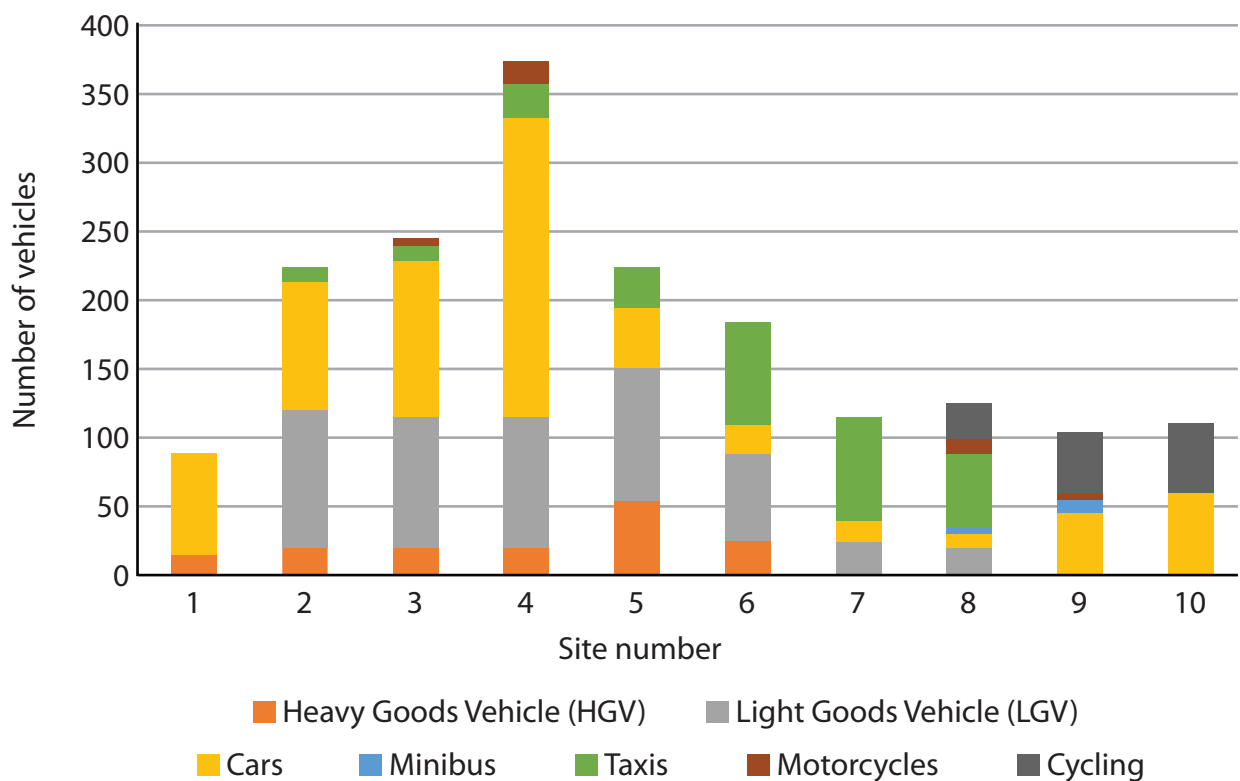


Figure 4c

A compound bar chart showing the results of primary fieldwork data

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Figure 3a – Source from: Imagery ©2017 DigitalGlobe, Map data ©2017 Google

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