



A-level

ENVIRONMENTAL SCIENCE

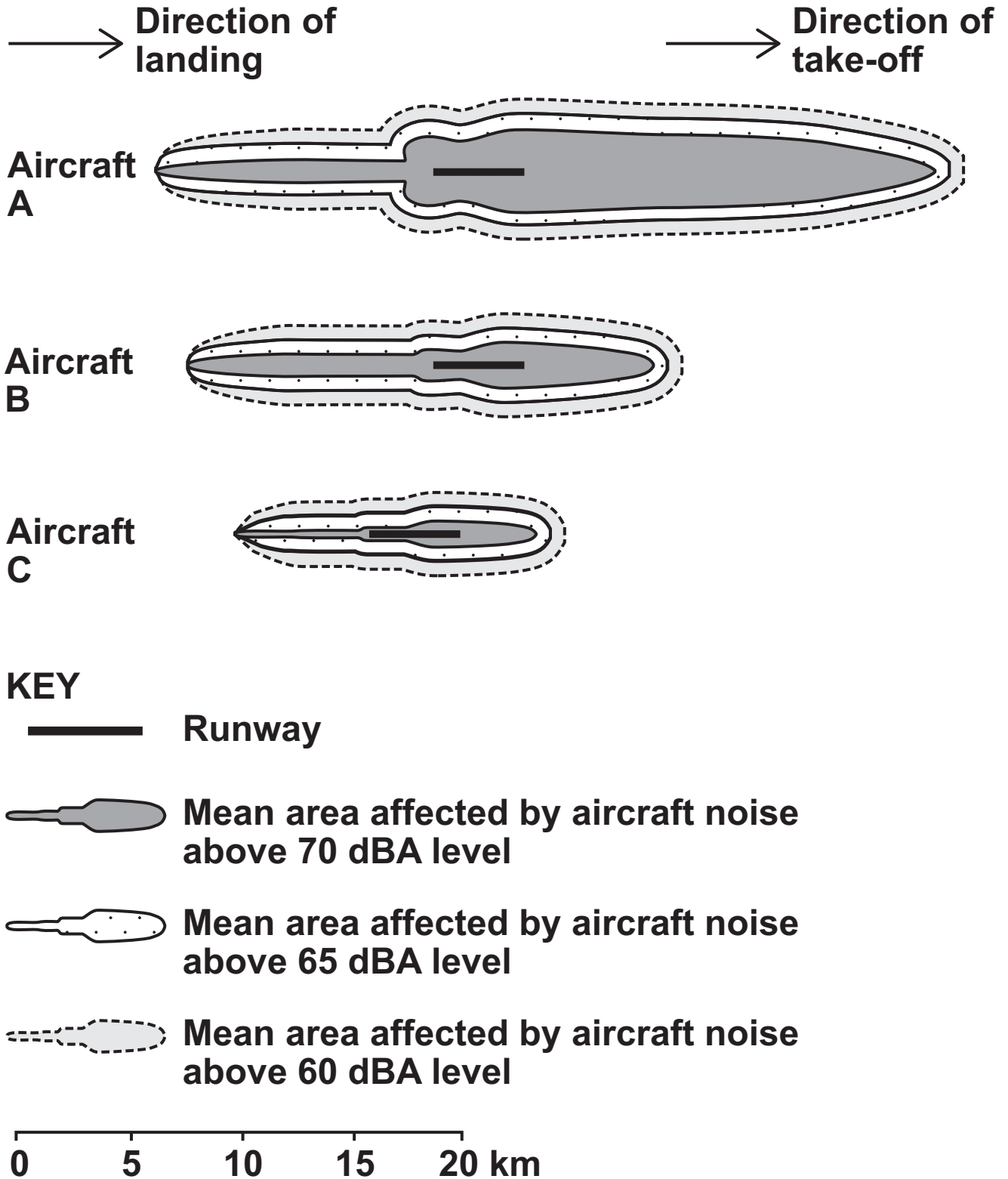
Paper 1

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FIGURE 3



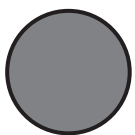
Aircraft design	Year of introduction	Area affected by aircraft noise above 70 dBA/km²	Maximum weight of aircraft on take-off / tonnes
A	1967	77.0	58
B	1988	25.9	68
C	2017	9.5	82

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FIGURE 6

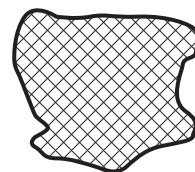


KEY



Offshore
wind farm

X = Town



National
Park



Onshore
wind farm

x = Village



0 4 km

TABLE 3

Wind farm	A	B	C	D	E	F	G
Height of turbine tower to nacelle (rotor)/m	80	48	60	69	40	45	80
Blade diameter /m	82	60	80	92	42	47	90
Number of turbines	4	8	6	3	9	3	60
Maximum output per turbine/MW	2.3	1.3	2.0	2.0	0.6	0.7	3.0
Wind farm maximum output /MW	9.2	10.4	12.0	6.0	5.4	2.1	180
Mean wind speed at 45 m/ ms^{-1}	7.2	6.8	6.2	7.4	7.2	7.9	8.5

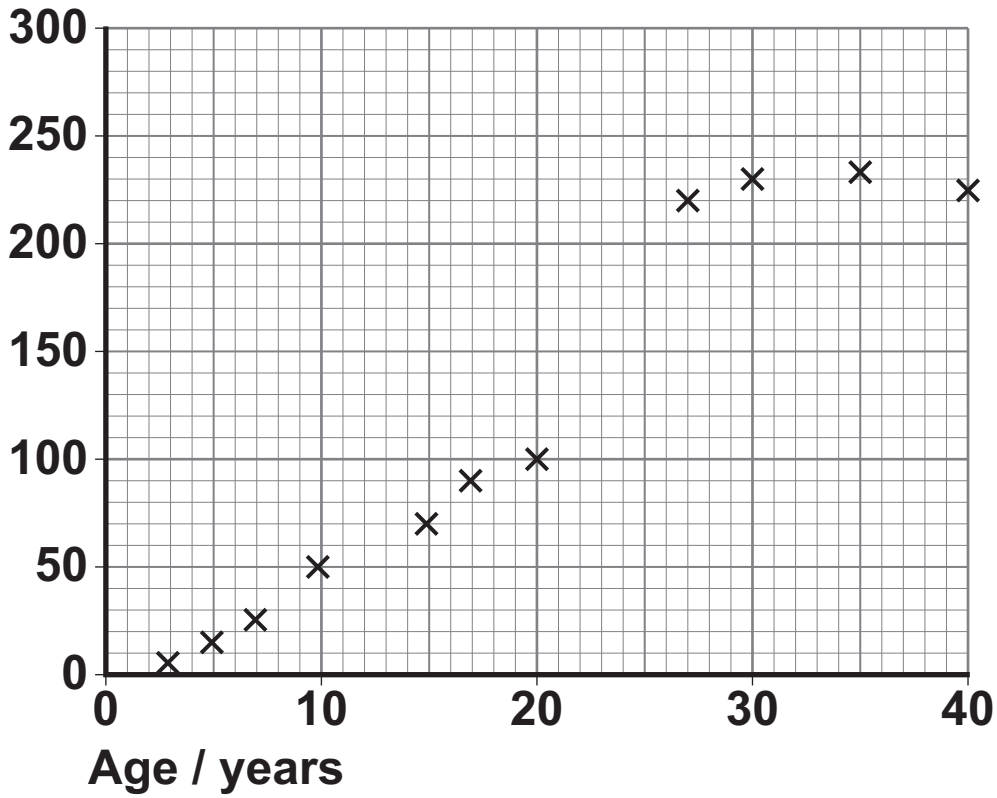
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TABLE 5

Tree age (years)	Carbon content as % of total biomass	Ratio AGC:BGC
3	45	7.40:1
5	47	9.24:1
7	48	9.22:1
10	50	5.82:1
15	49	5.90:1
17	49	5.67:1
20	50	5.00:1
27	50	5.00:1
30	50	5.00:1
35	50	4.17:1
40	50	4.17:1

FIGURE 8

Total biomass /
 t ha^{-1}

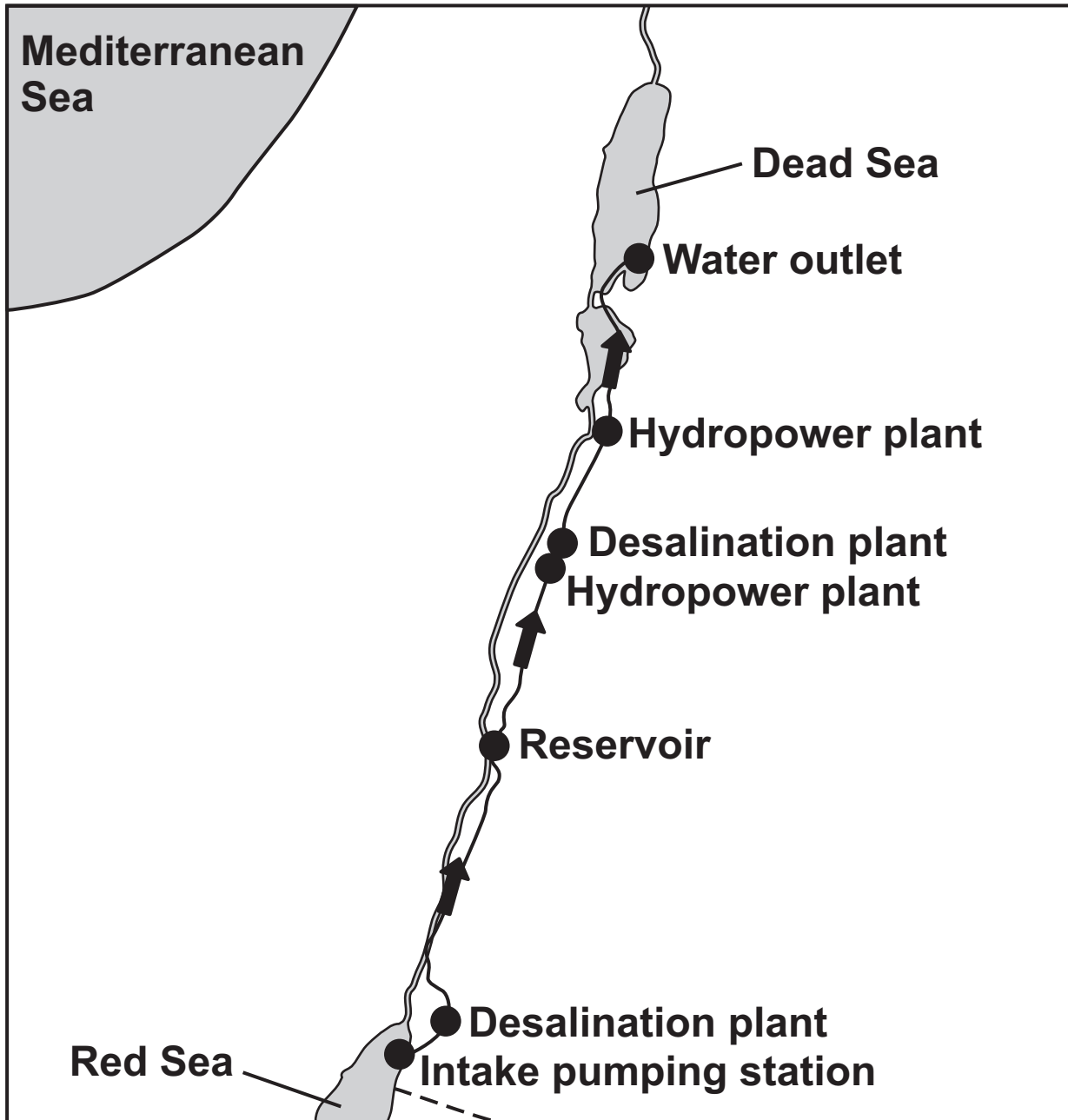


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TABLE 7

Table showing the main inputs and outputs of water to and from the Dead Sea cannot be reproduced here due to third-party copyright restrictions.

FIGURE 9



KEY

- ➔ Direction of water movement
- Pipeline



0 30 km

END OF FIGURES

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