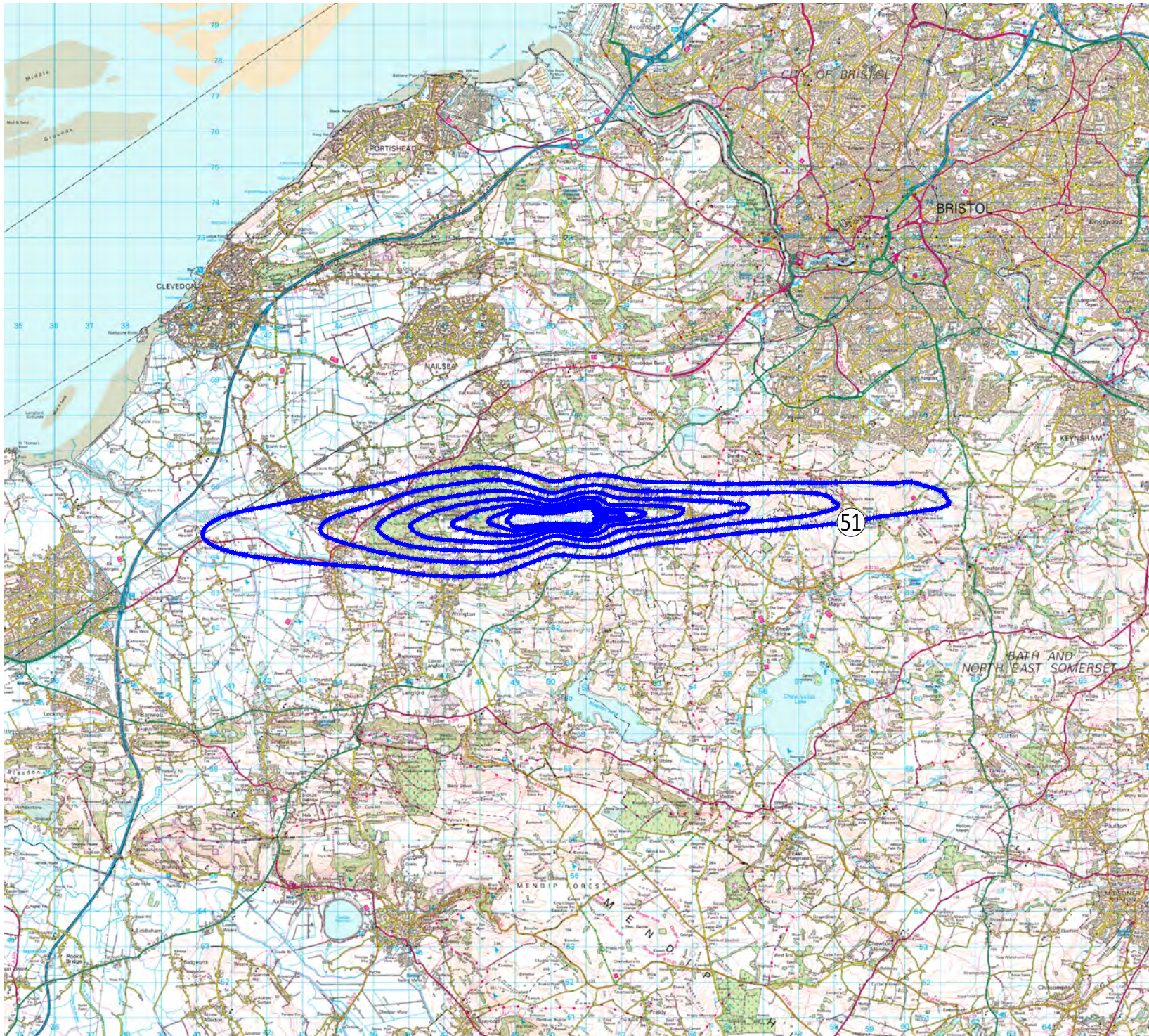




Appendix 7D

Figures



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— Noise Contours,
51 to 69 dB L_{Aeq,16h} in 3 dB steps

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2.0	01/10/2018	Revised contours	MP

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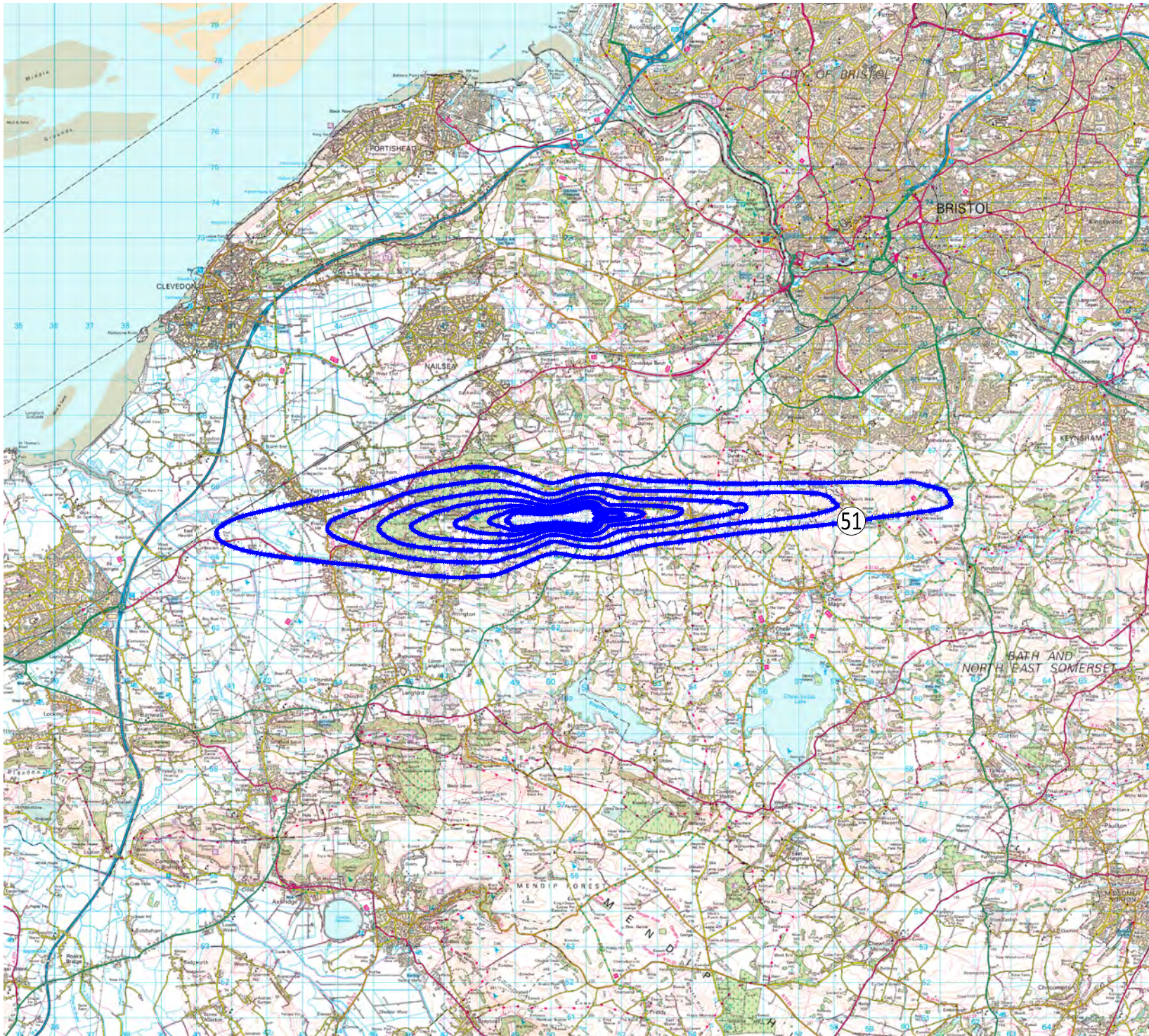
Figure 7D.1
2017 Noise Contours
Summer L_{Aeq,16h}

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51 to 69 dB LAeq,16h in 3 dB steps

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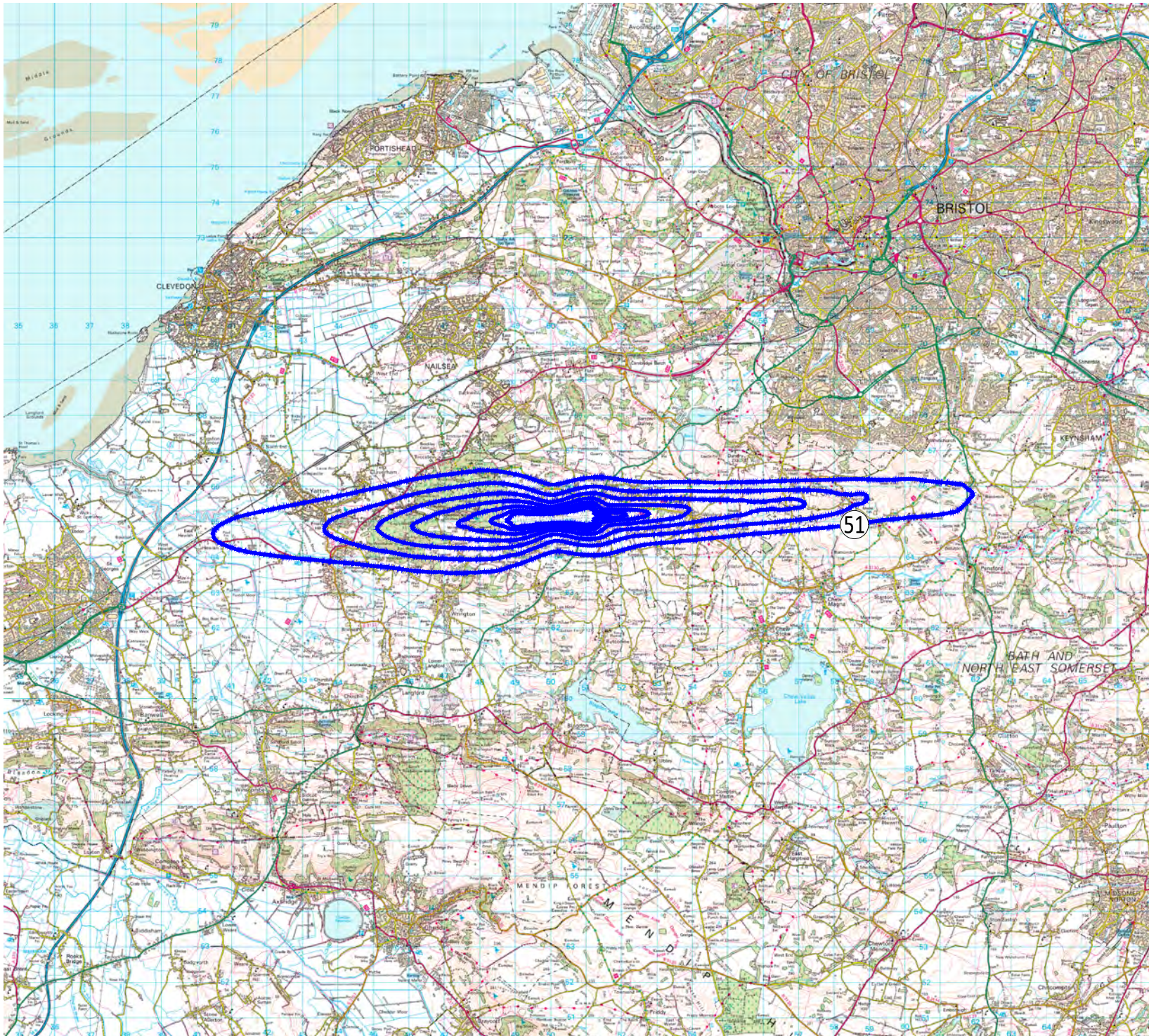
Figure 7D.2
10mppa Noise Contours
Summer LAeq,16h

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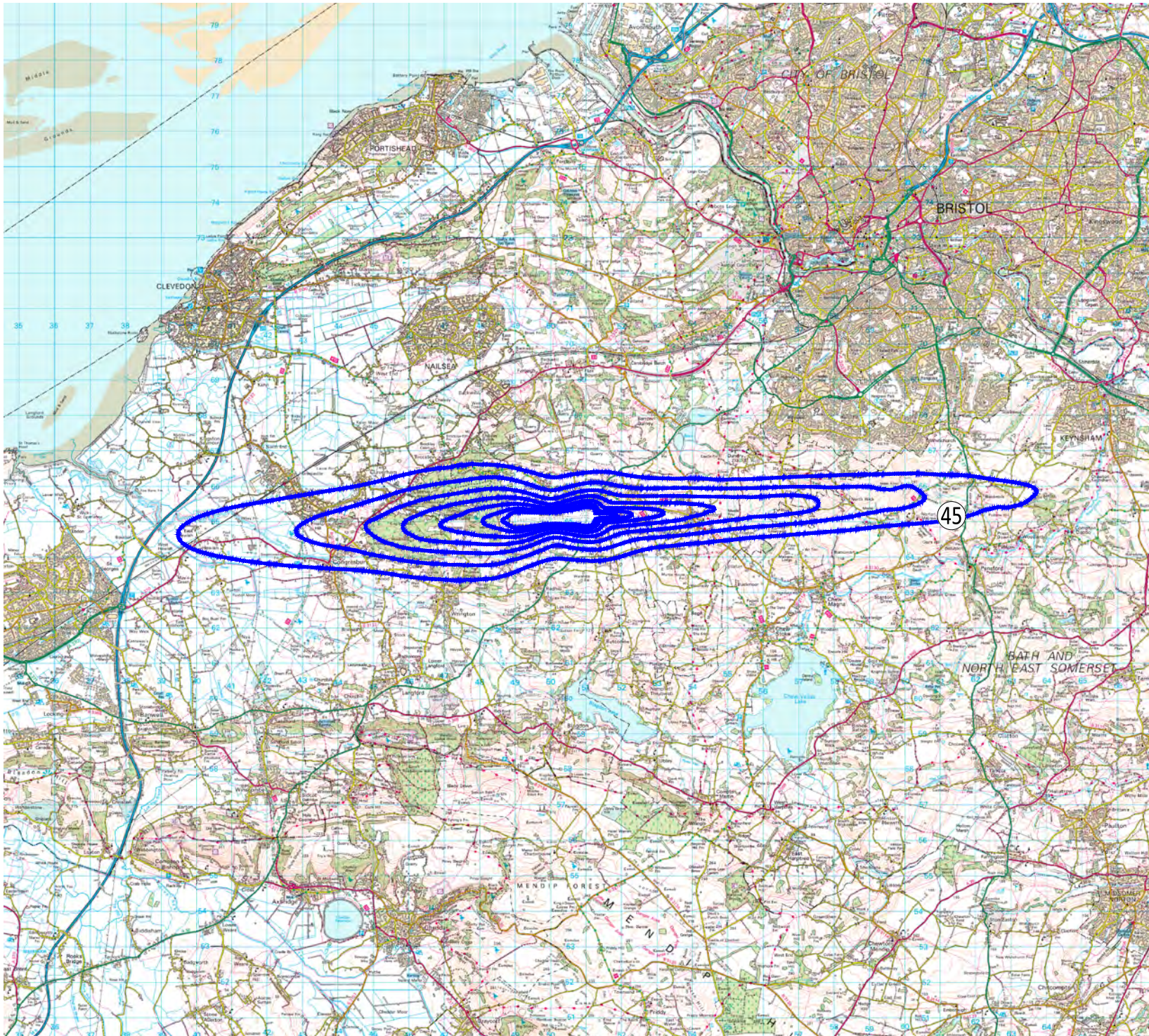
Figure 7D.3
12mppa Noise Contours
Summer LAeq,16h

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45 to 63 dB LAeq,8h in 3 dB steps

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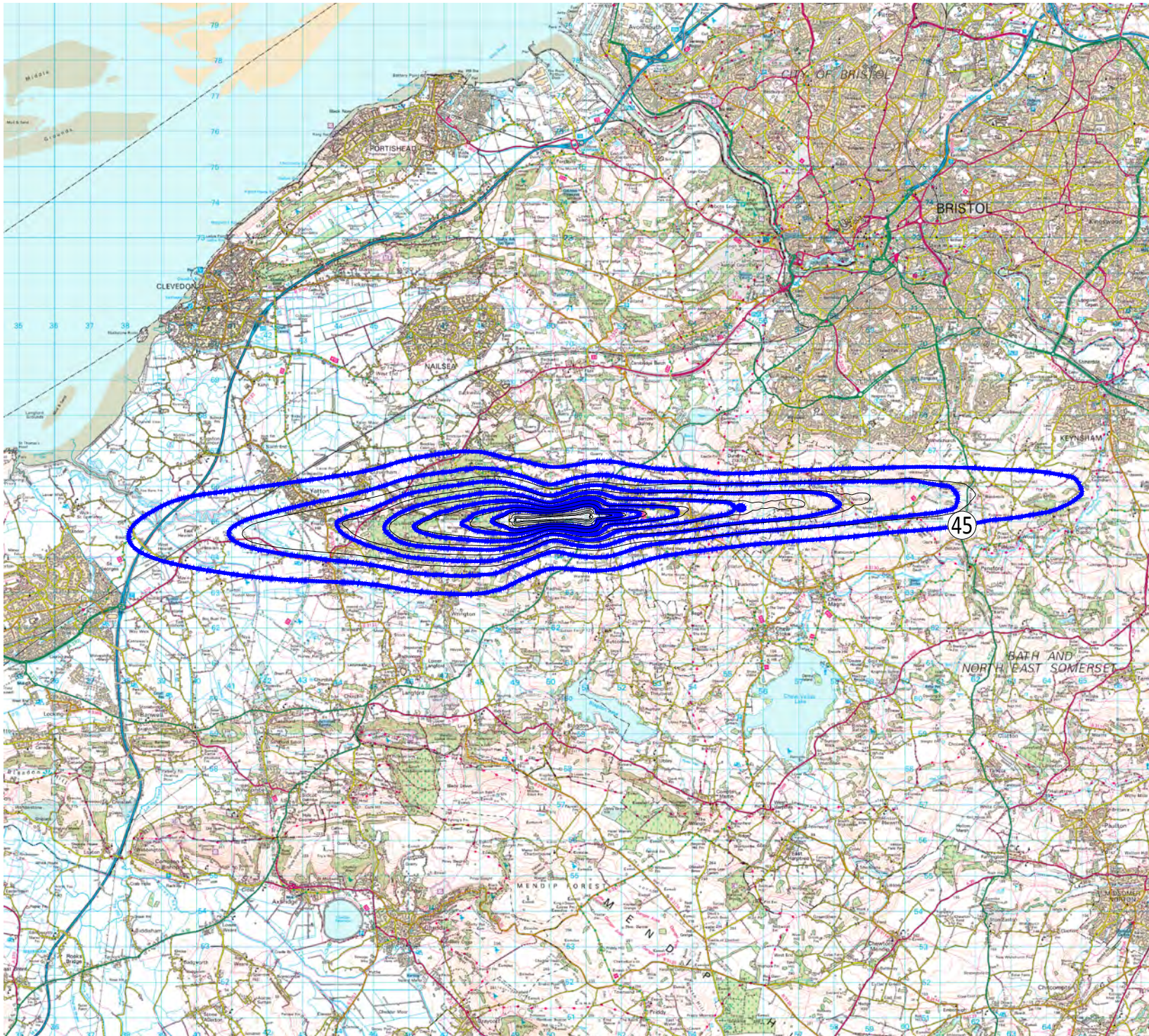
Figure 7D.4
2017 Noise Contours
Summer LAeq,8h

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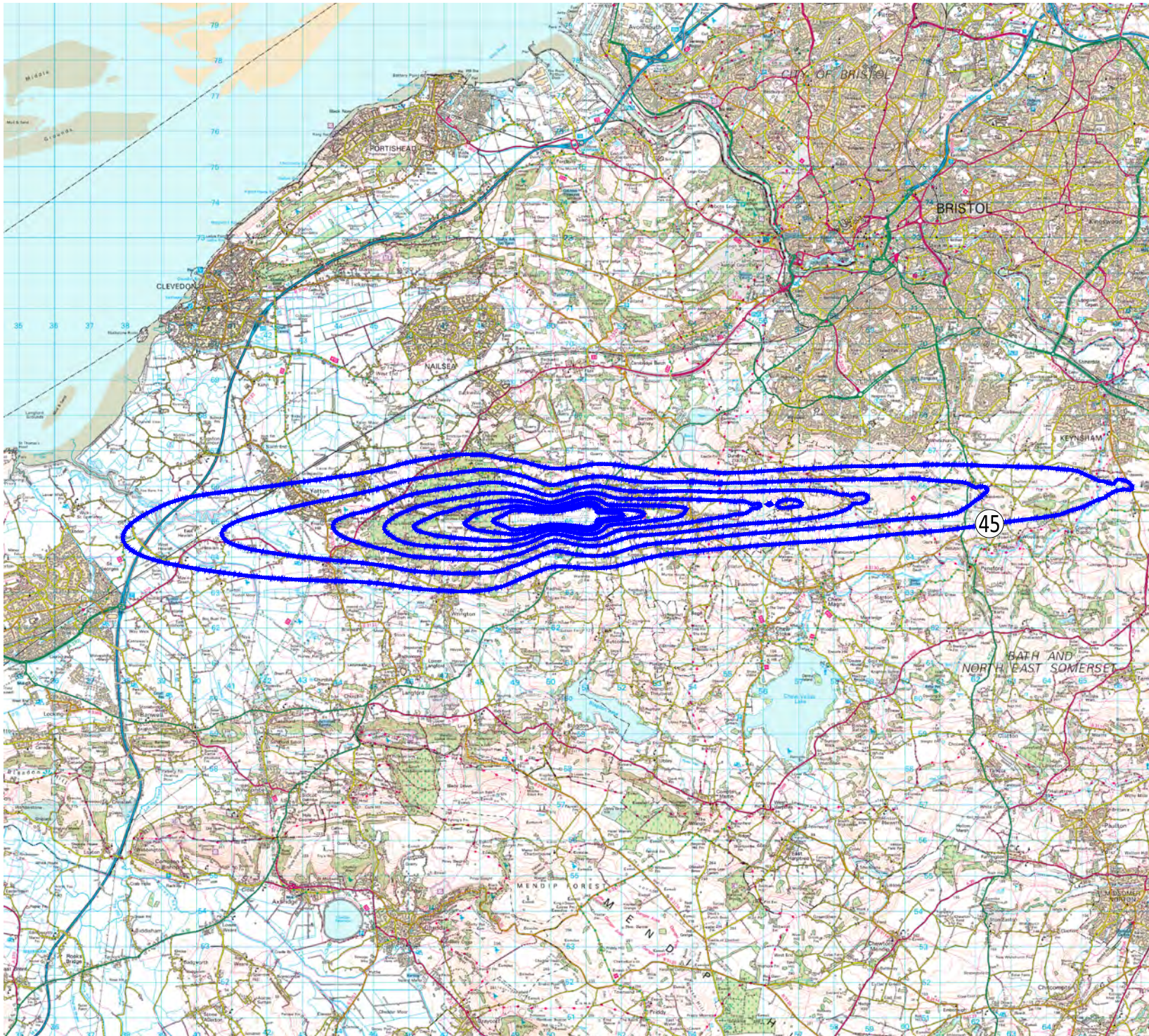
Figure 7D.5
10m ppa Noise Contours
Summer L_{Aeq,8h}

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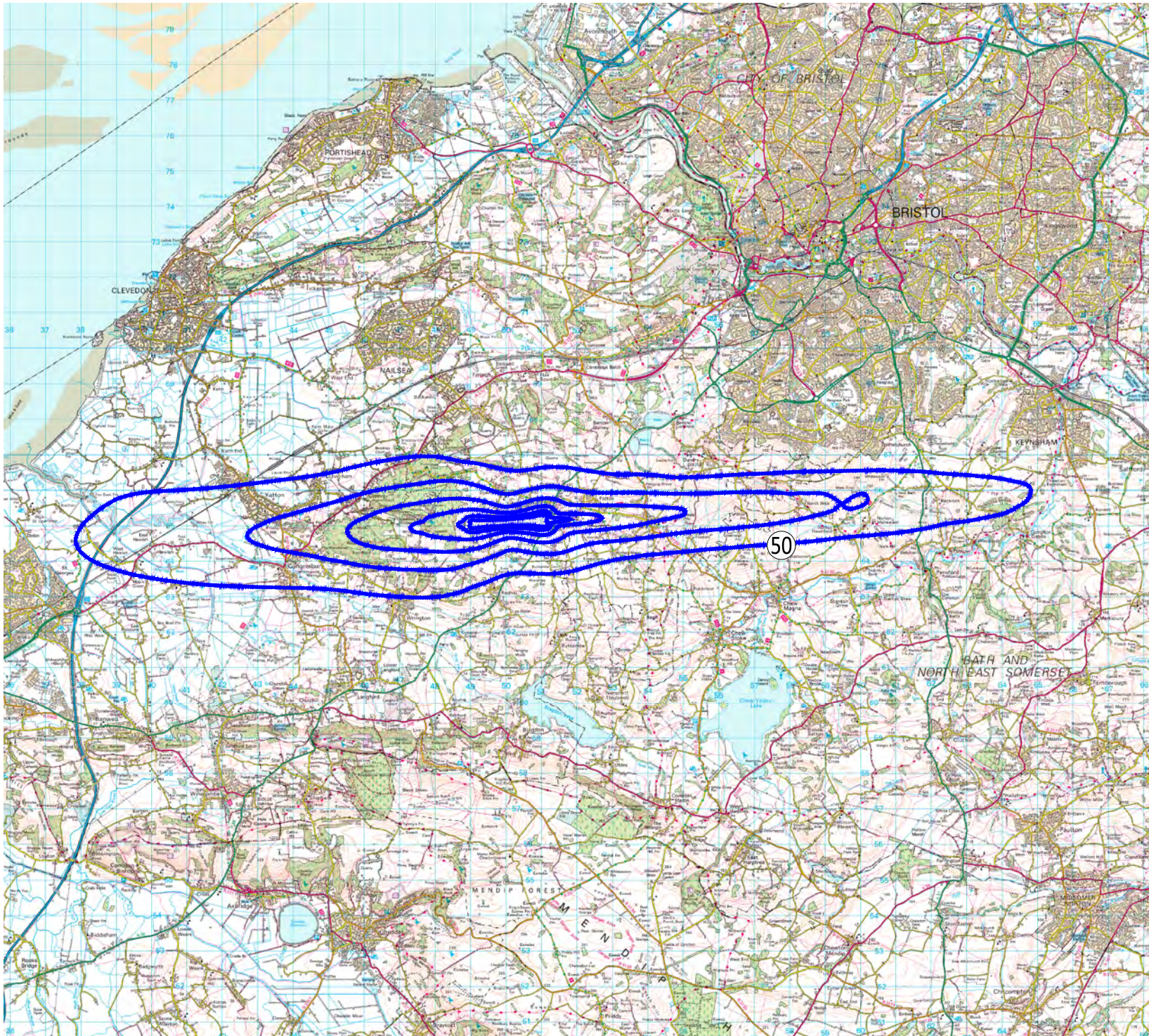
Figure 7D.6
12m ppa Noise Contours
Summer L_{Aeq,8h}

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50 to 75 dB Lden in 5 dB steps

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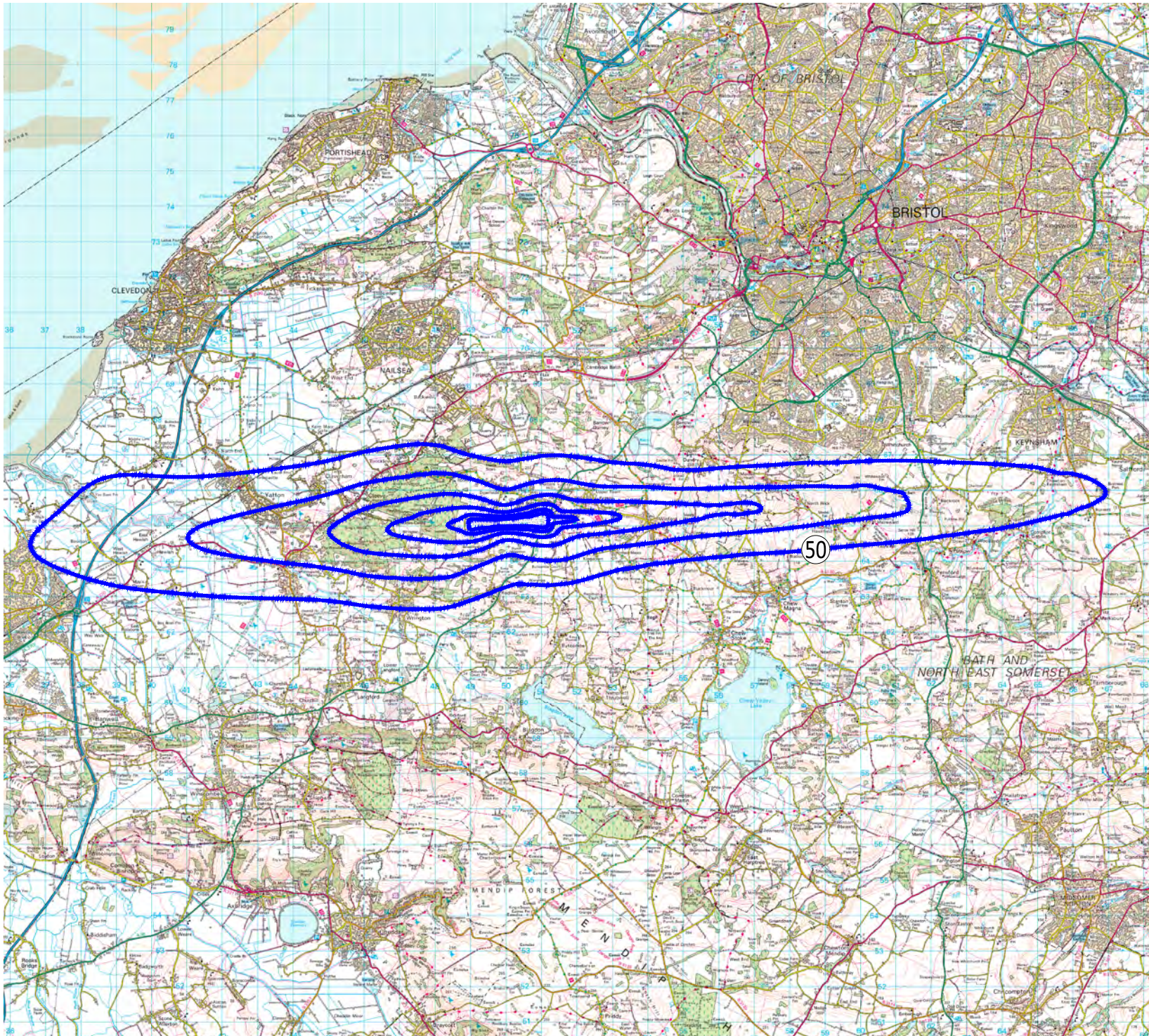
Figure 7D.8
2017 Noise Contours
Annual L_{den}

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50 to 75 dB Lden in 5 dB steps

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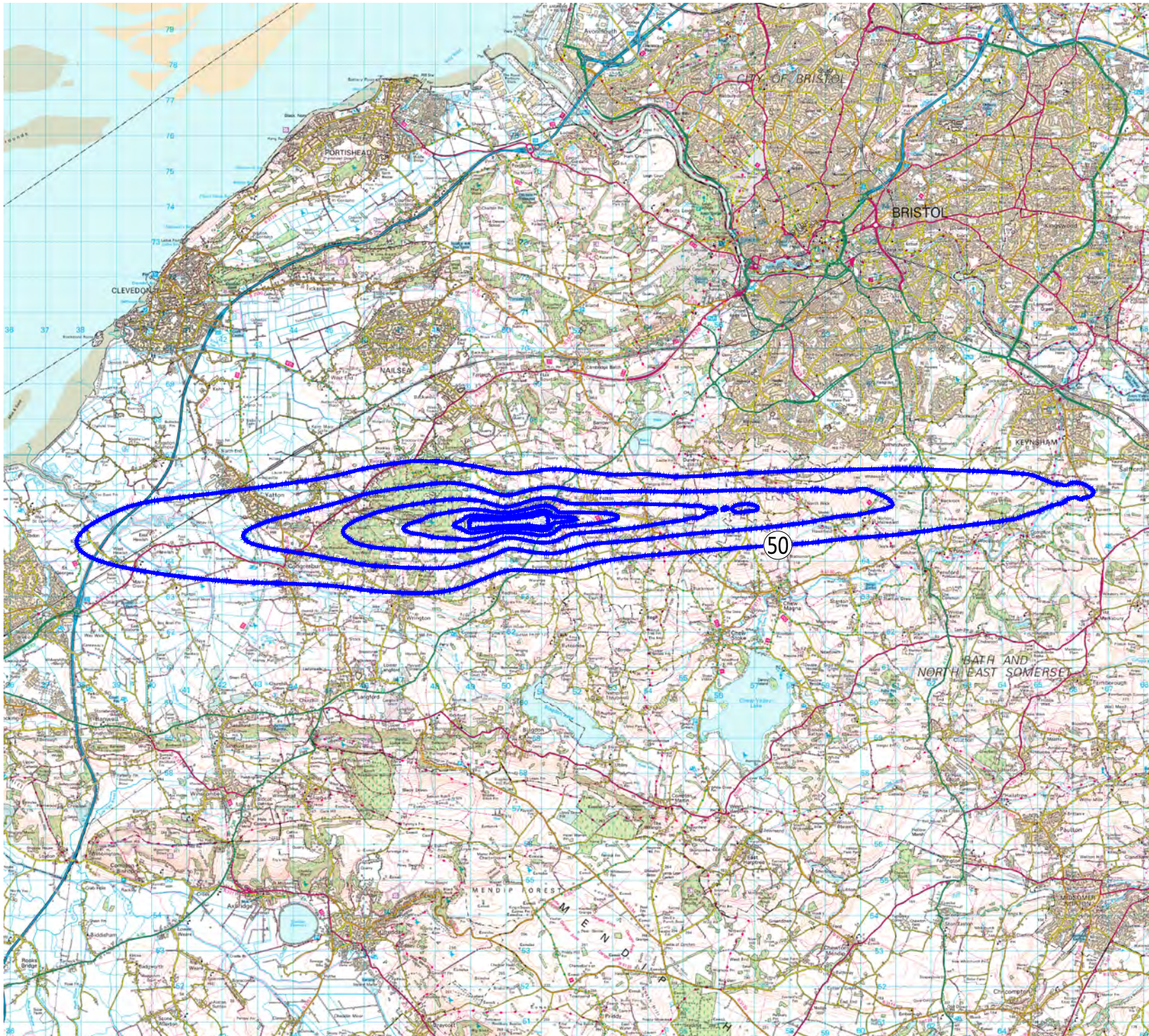
Figure 7D.9
10mppa Noise Contours
Annual L_{den}

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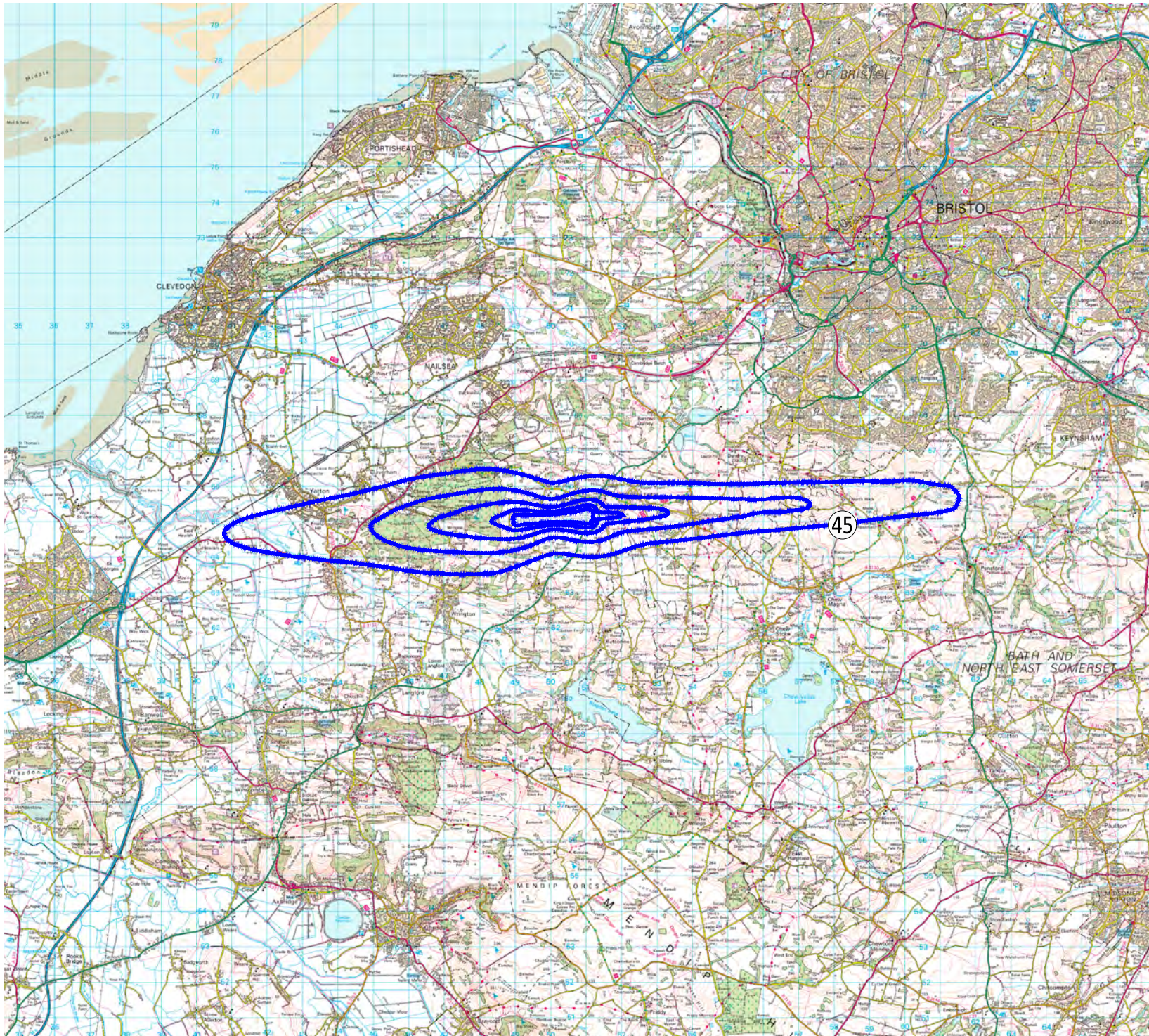
Figure 7D.10
12mppa Noise Contours
Annual L_{den}

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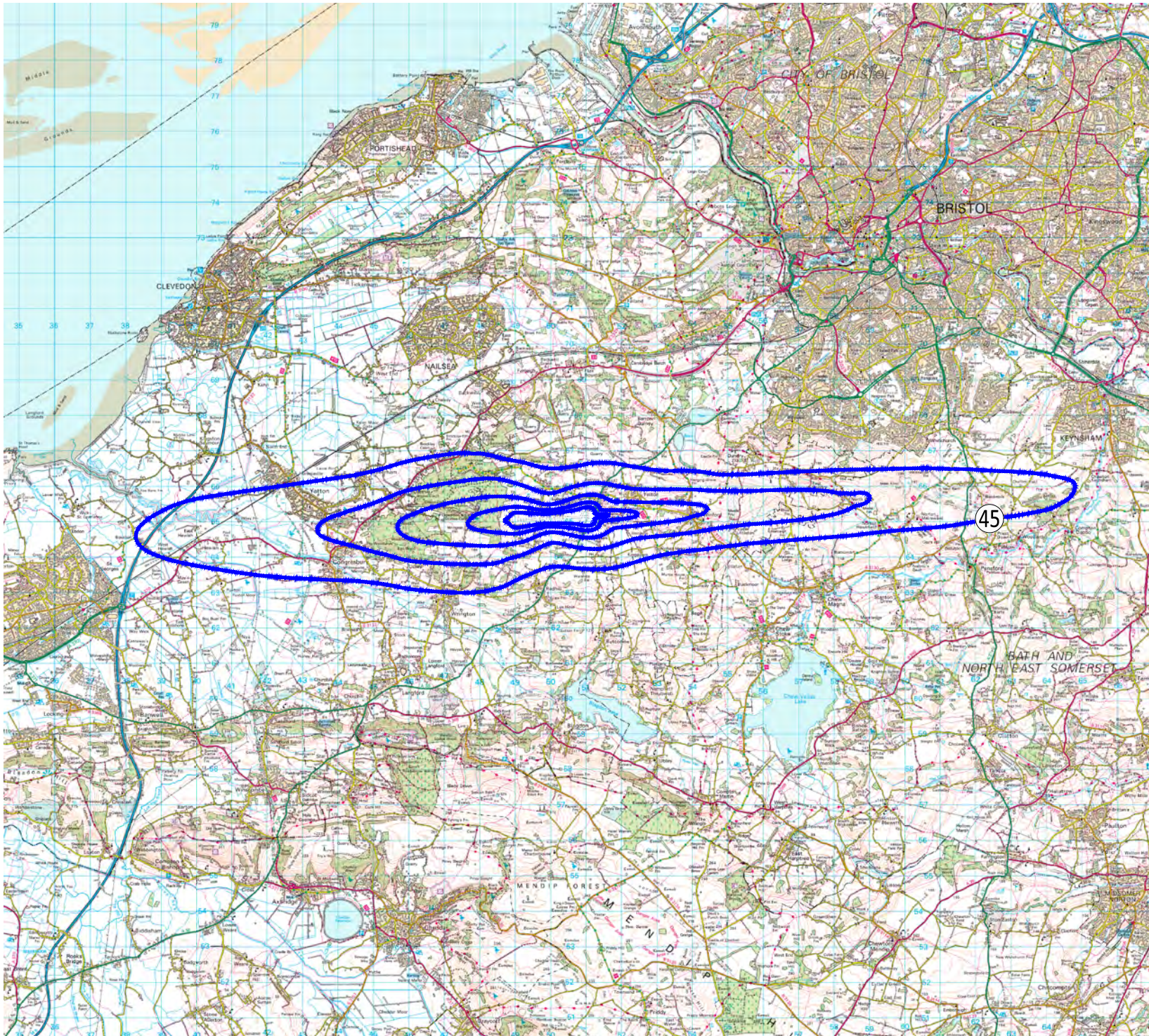
Figure 7D.11
2017 Noise Contours
Annual L_{night}

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45 to 65 dB L_{night} in 5 dB steps

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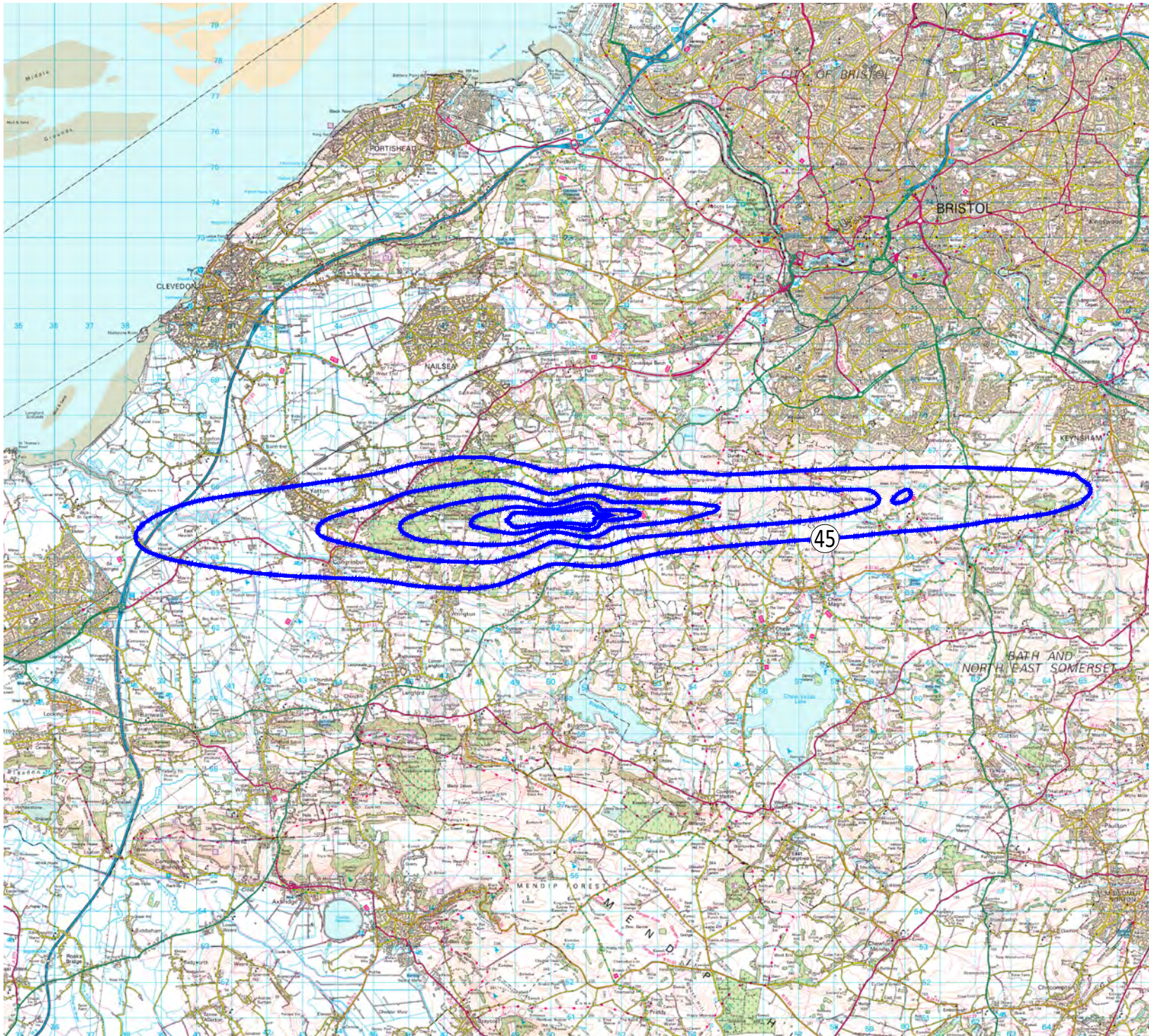
Figure 7D.12
10mppa Noise Contours
Annual L_{night}

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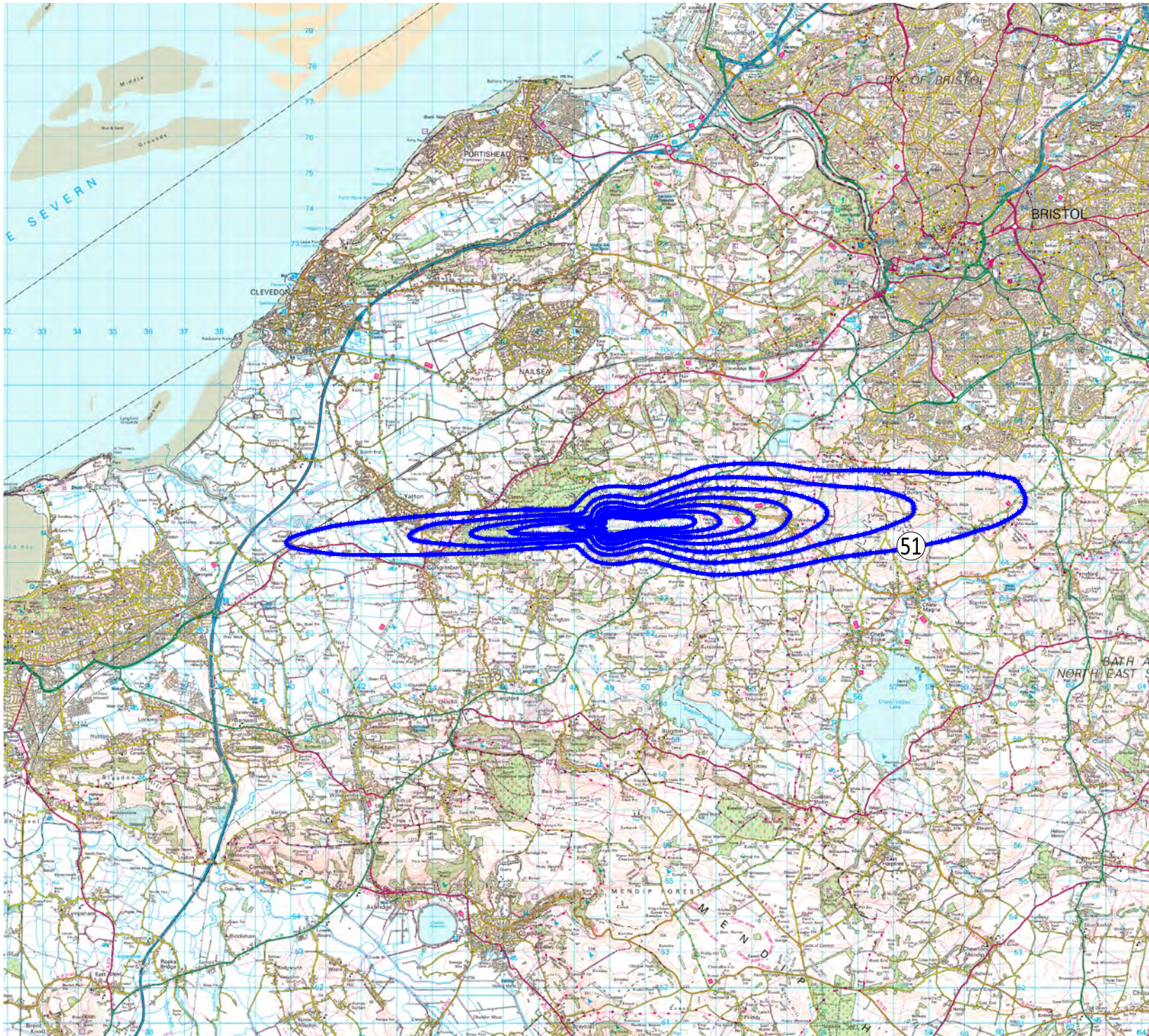
Figure 7D.13
12m ppa Noise Contours
Annual L_{night}

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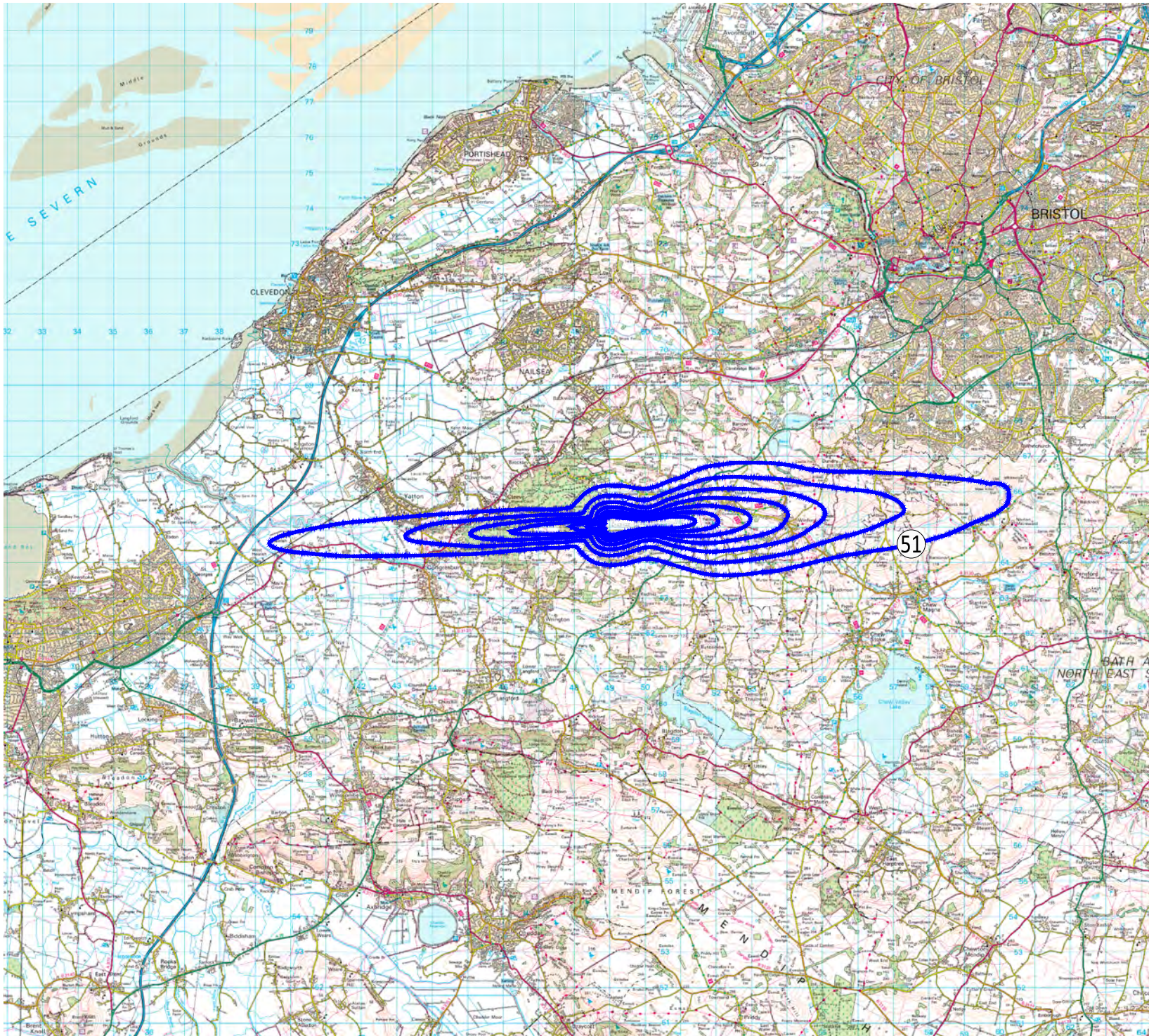
Figure 7D.14
2017 Noise Contours
Summer LAeq,16h - Easterly Operations

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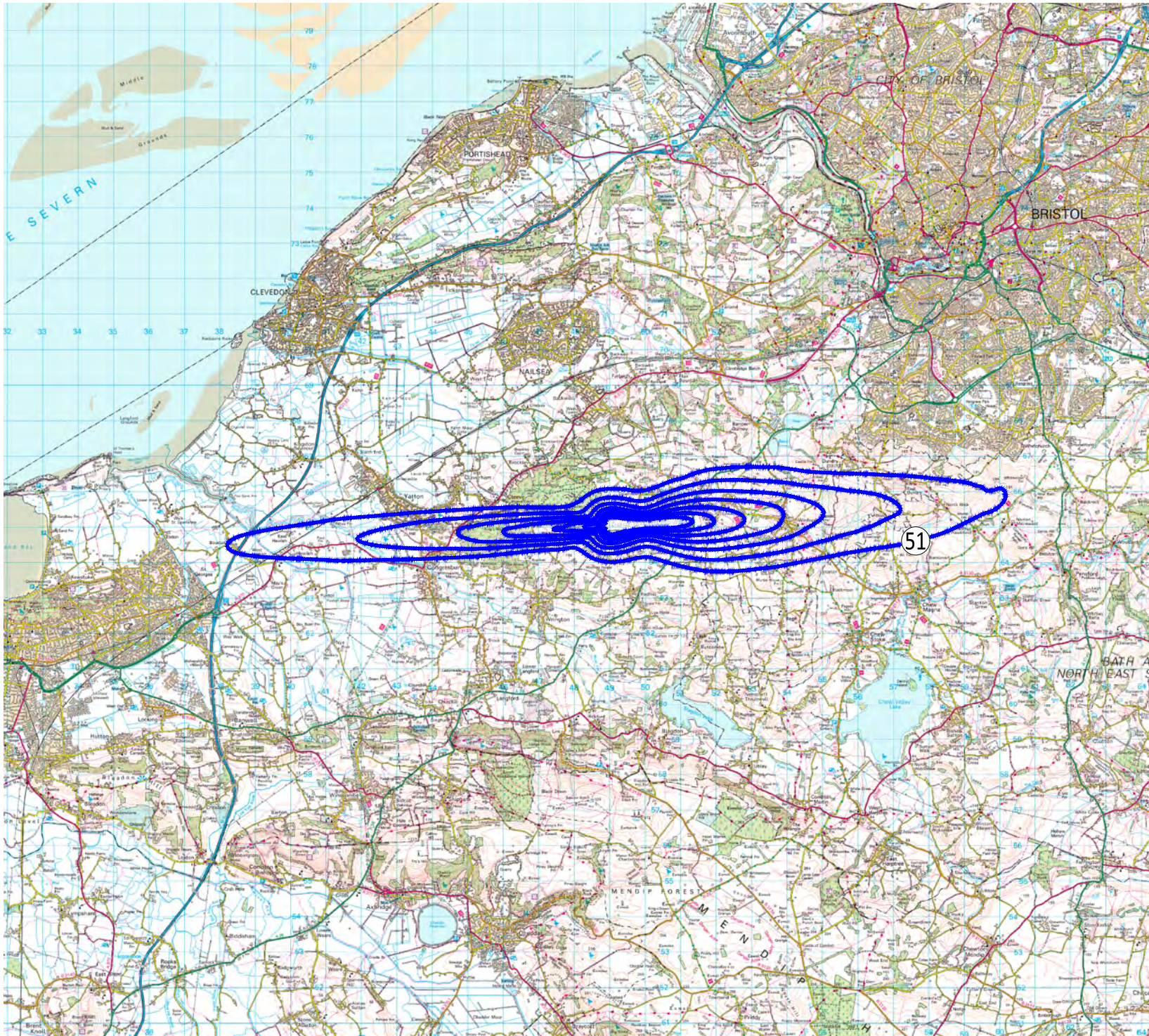
Figure 7D.15
10m ppa Noise Contours
Summer LAeq,16h - Easterly Operations

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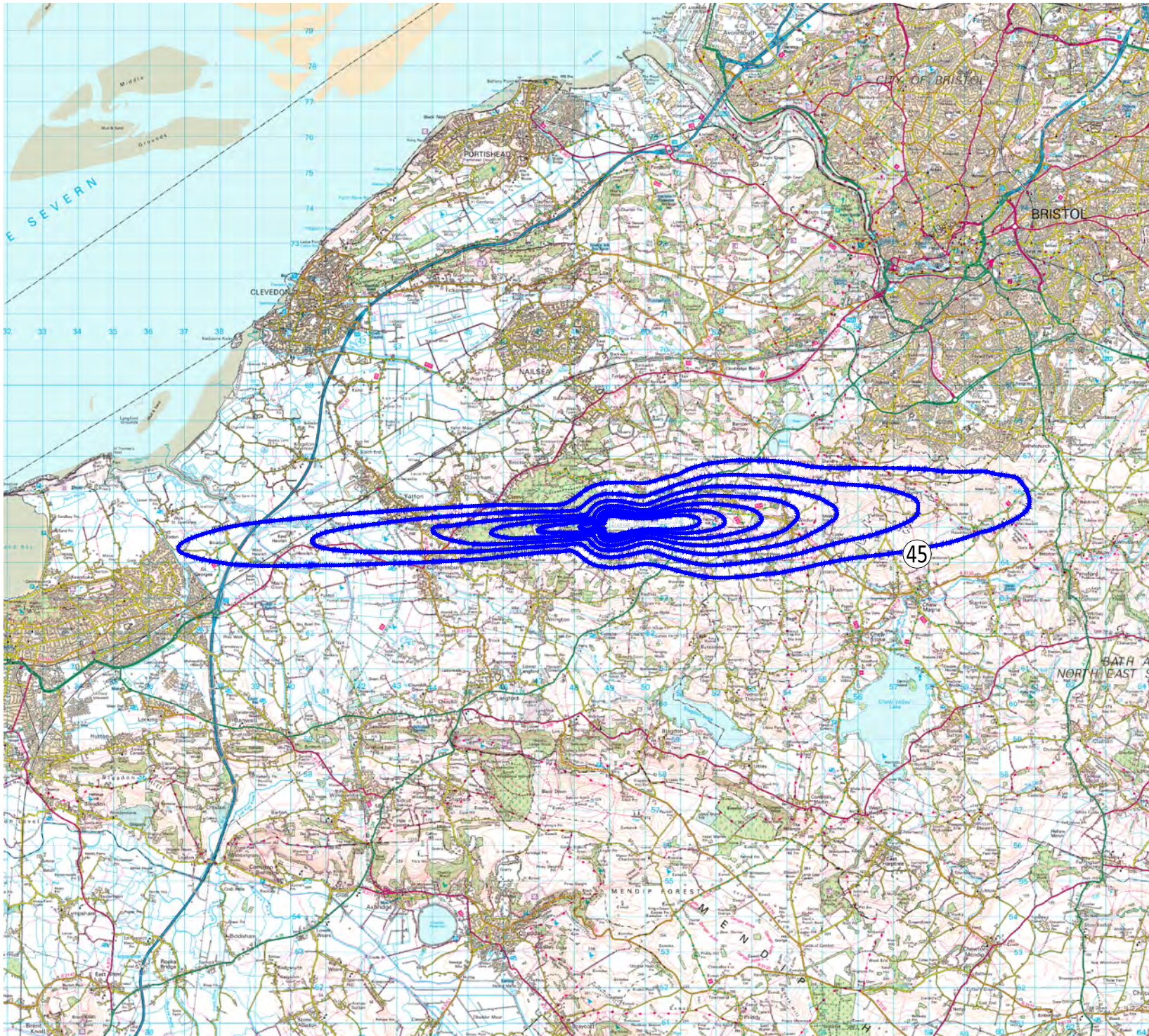
Figure 7D.16
12mppa Noise Contours
Summer LAeq,16h - Easterly Operations

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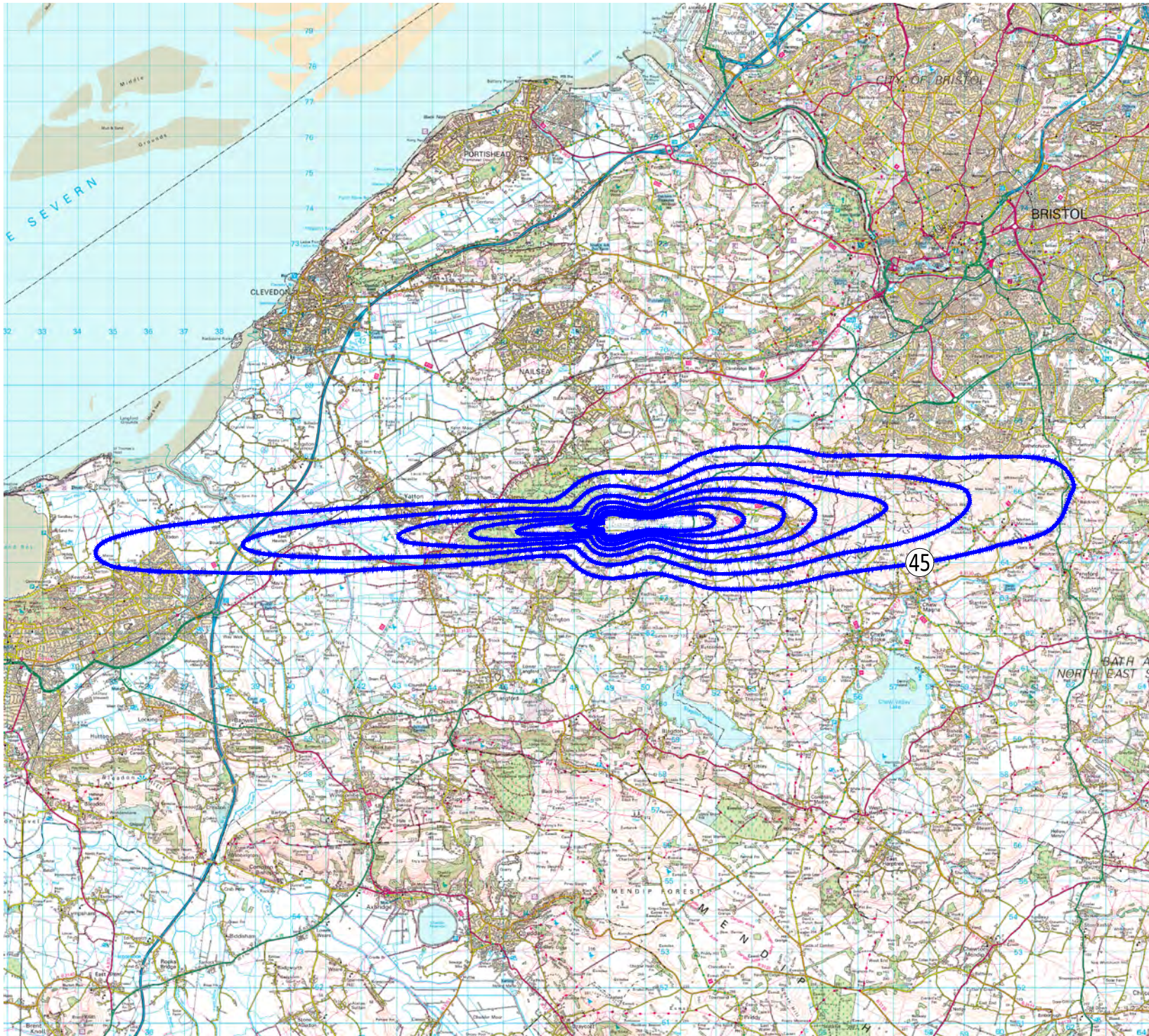
Figure 7D.17
2017 Noise Contours
Summer LAeq,8h - Easterly Operations

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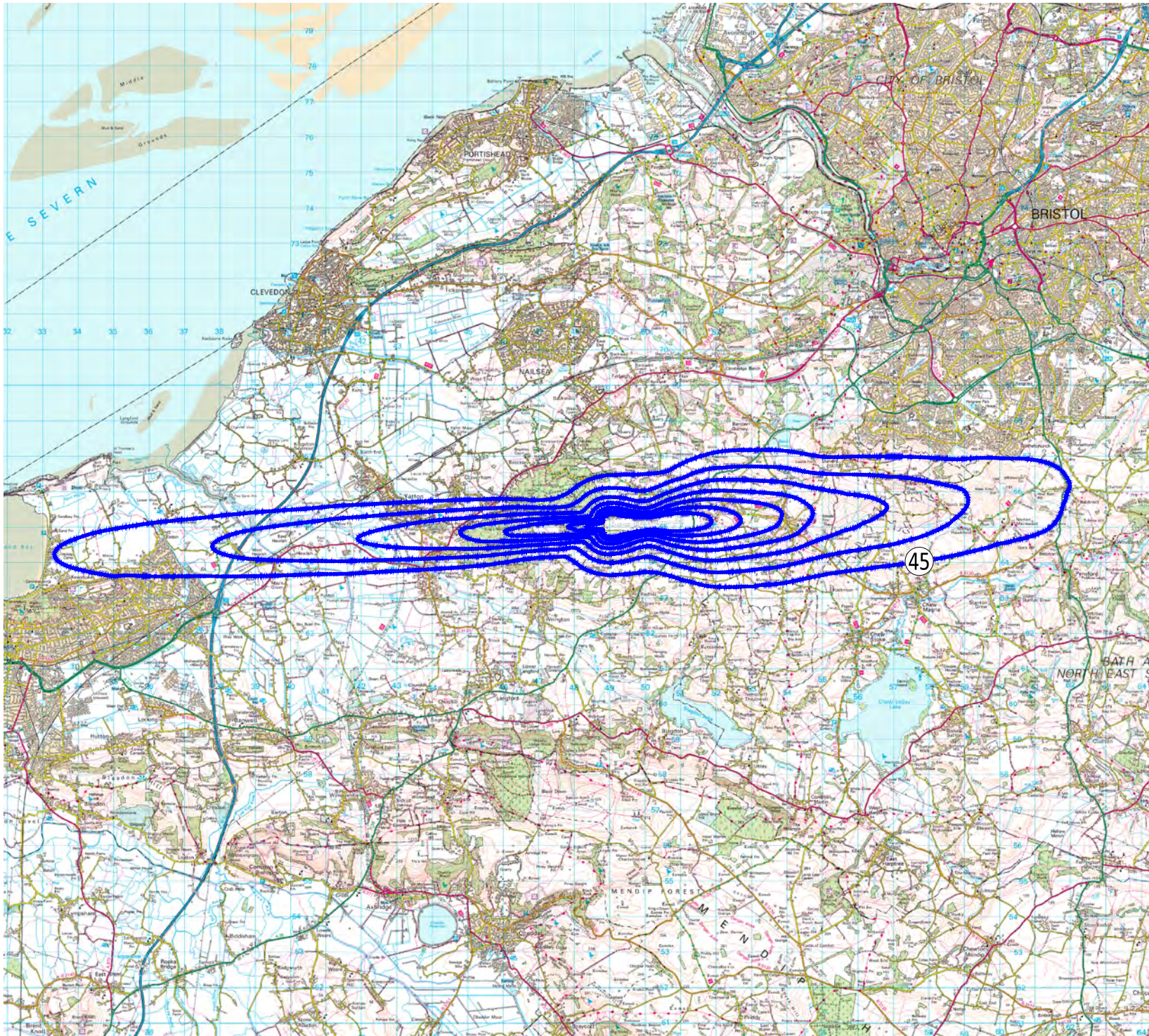
Figure 7D.18
10mppa Noise Contours
Summer LAeq,8h - Easterly Operations

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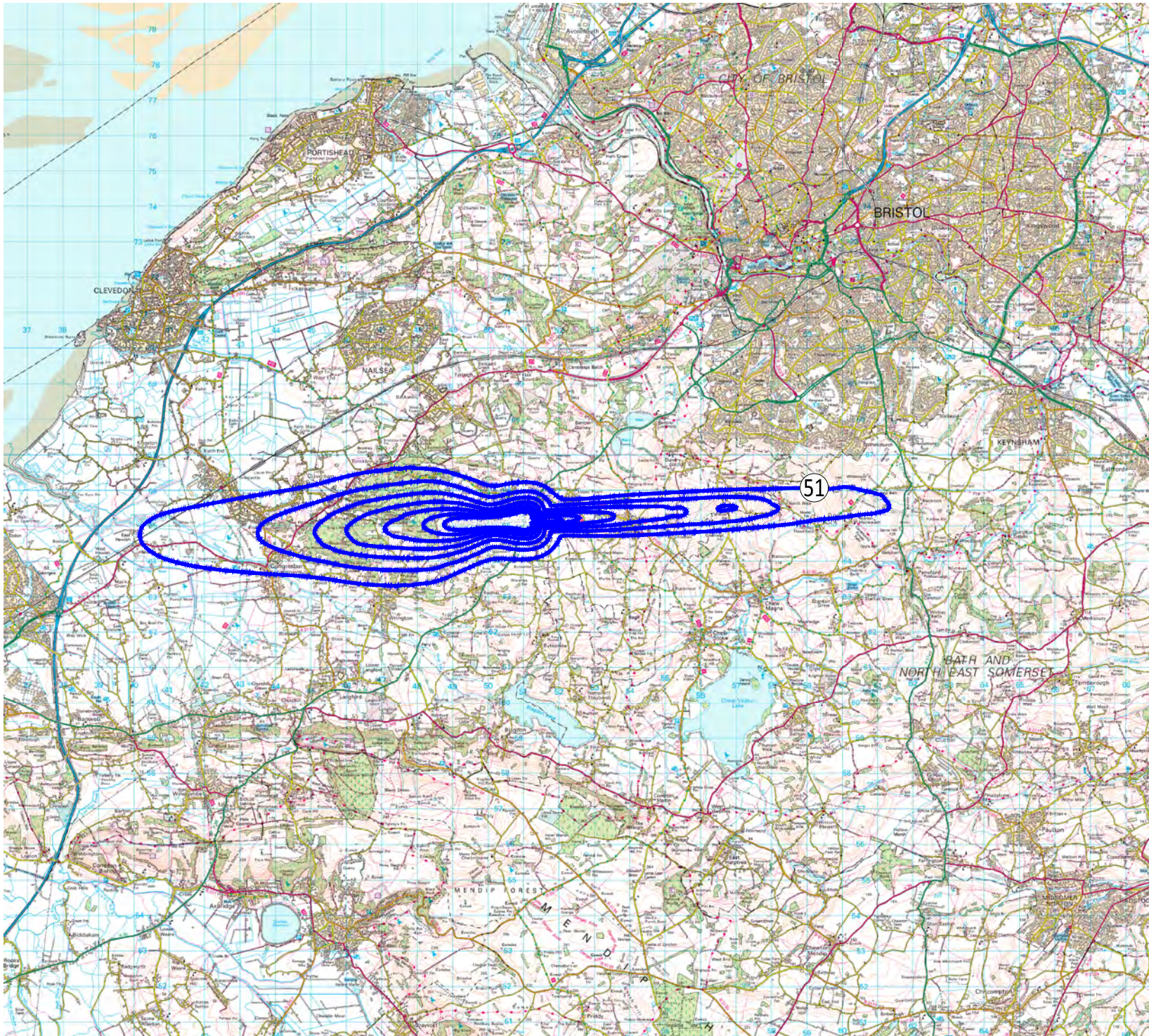
Figure 7D.19
12mppa Noise Contours
Summer LAeq,8h - Easterly Operations

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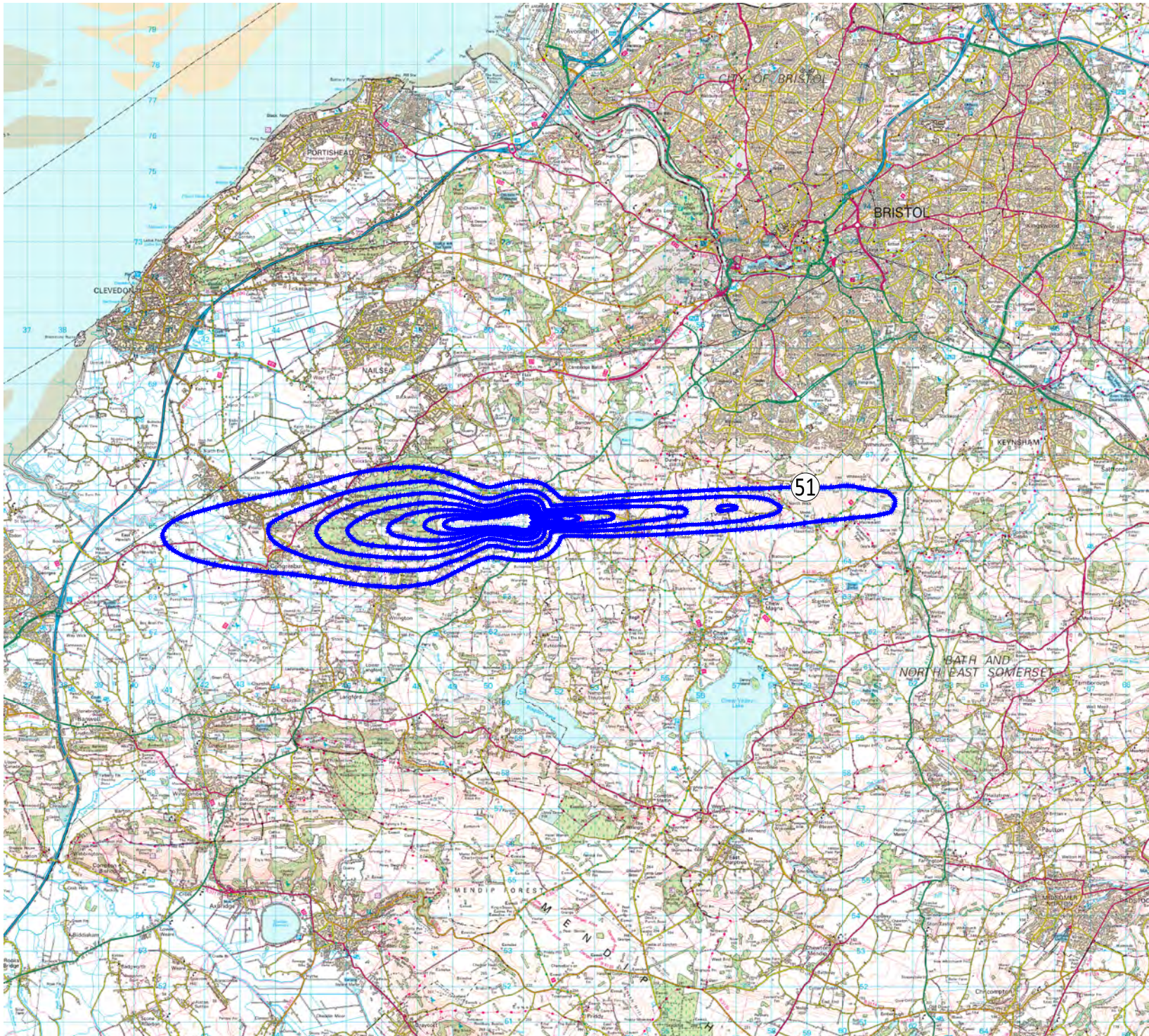
Figure 7D.20
2017 Noise Contours
Summer LAeq,16h - Westerly Operations

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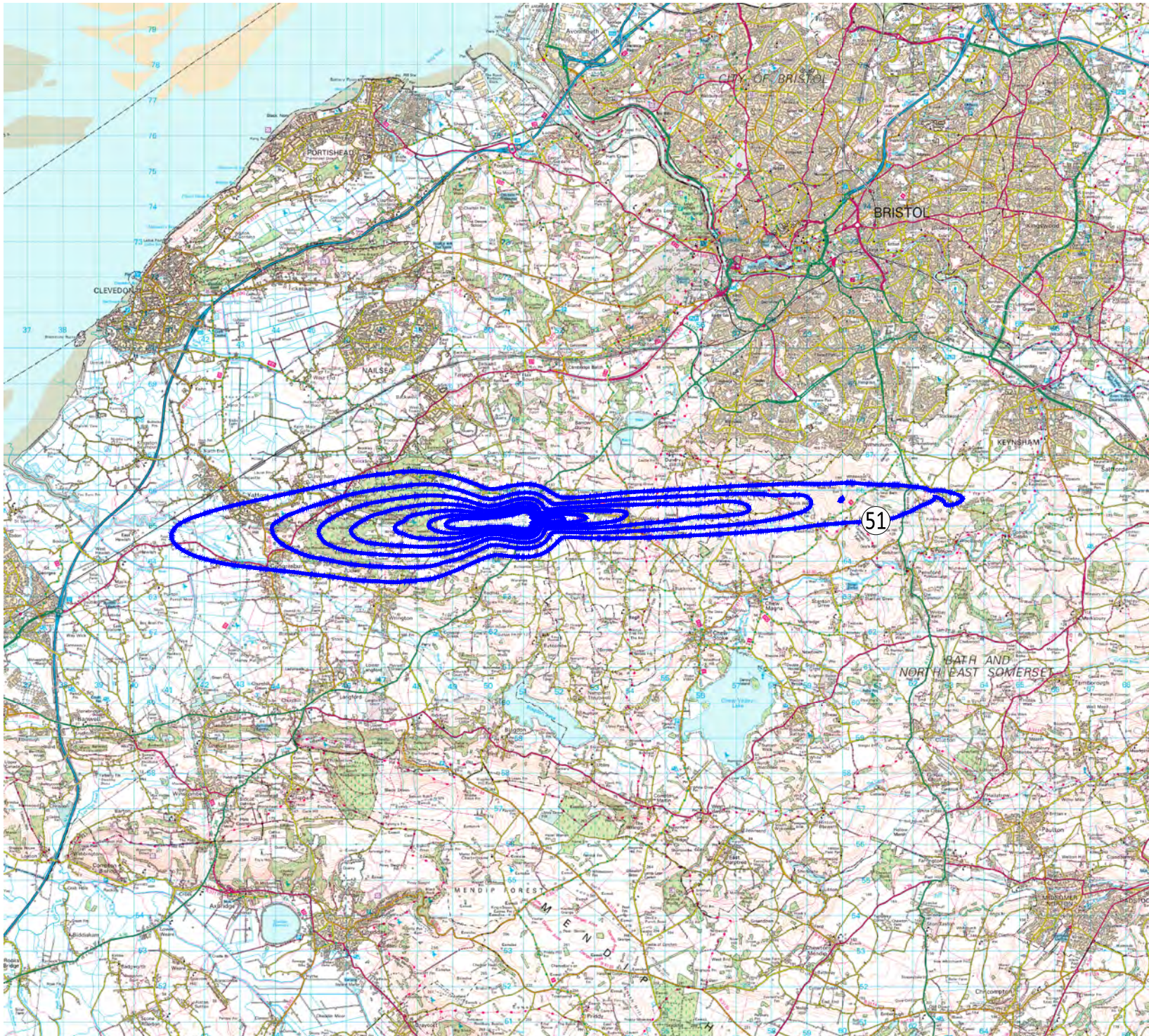
Figure 7D.21
10mppa Noise Contours
Summer LAeq,16h - Westerly Operations

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Figure 7D.22
12mppa Noise Contours
Summer LAeq,16h - Westerly Operations

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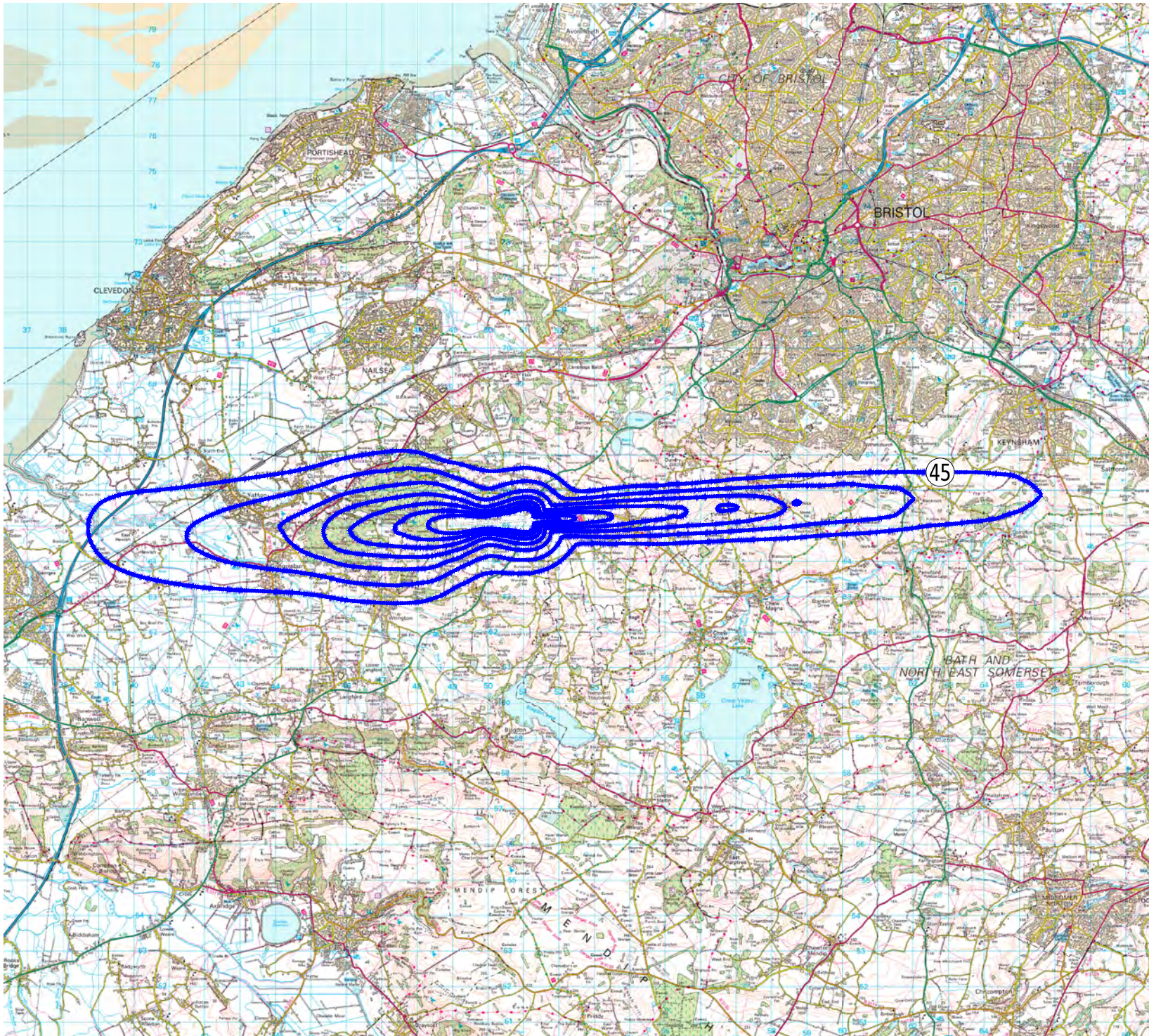
Figure 7D.23
2017 Noise Contours
Summer LAeq,8h - Westerly Operations

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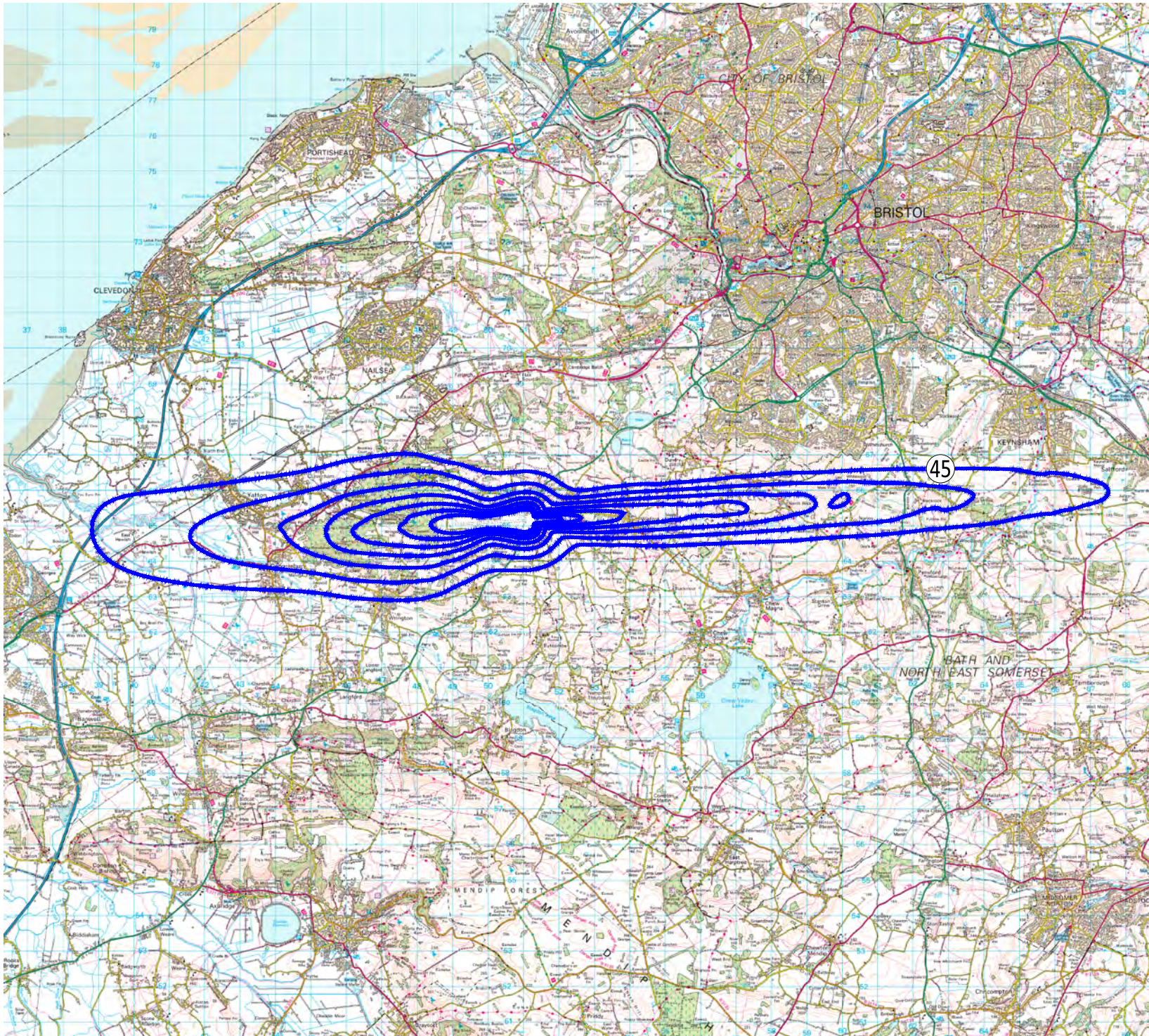
Figure 7D.24
10mppa Noise Contours
Summer LAeq,8h - Westerly Operations

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Figure 7D.25
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Summer LAeq,8h - Westerly Operations

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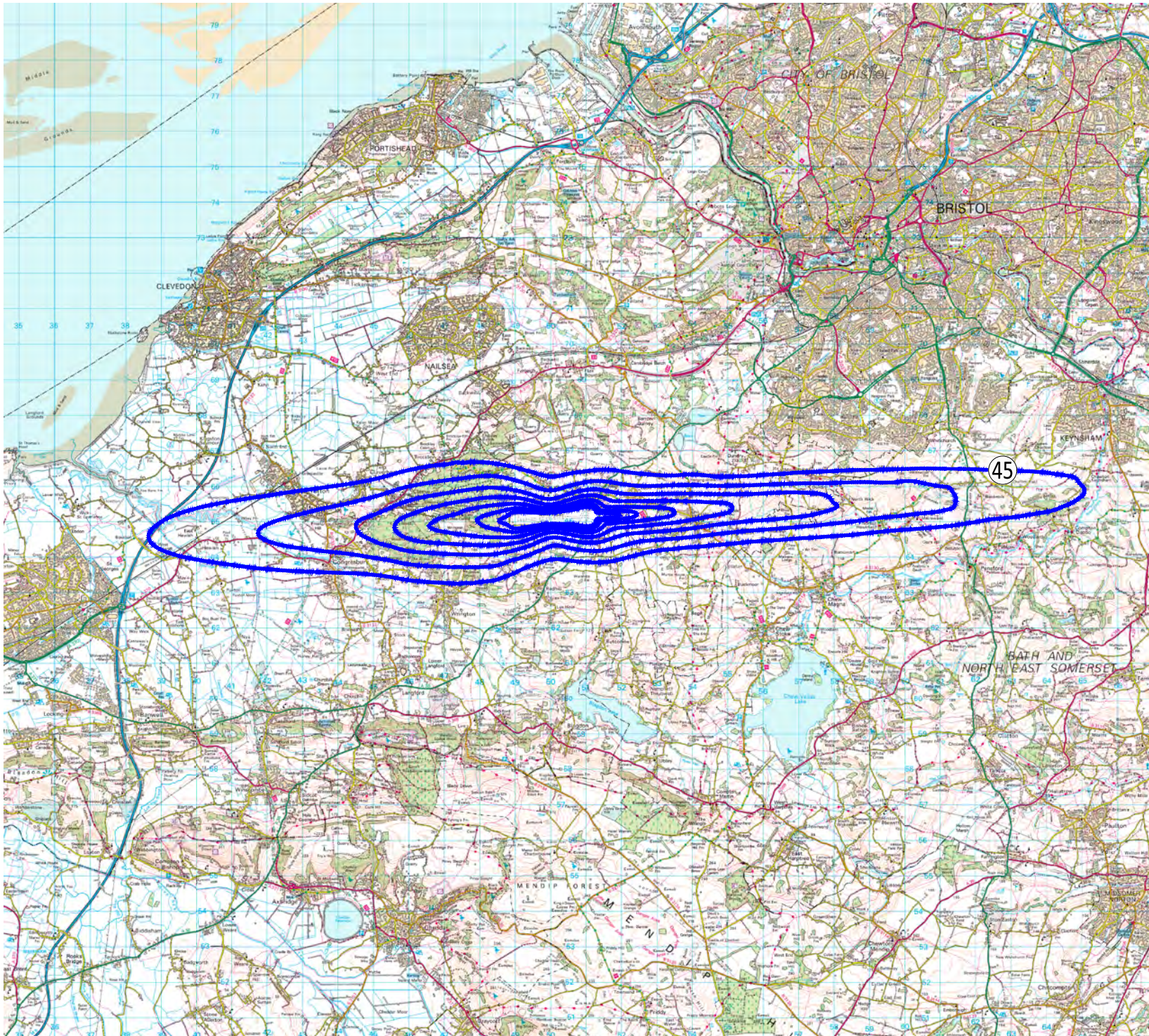
Figure 7D.26
10mppa with 2026 Modernisation
Noise Contours Summer LAeq,16h

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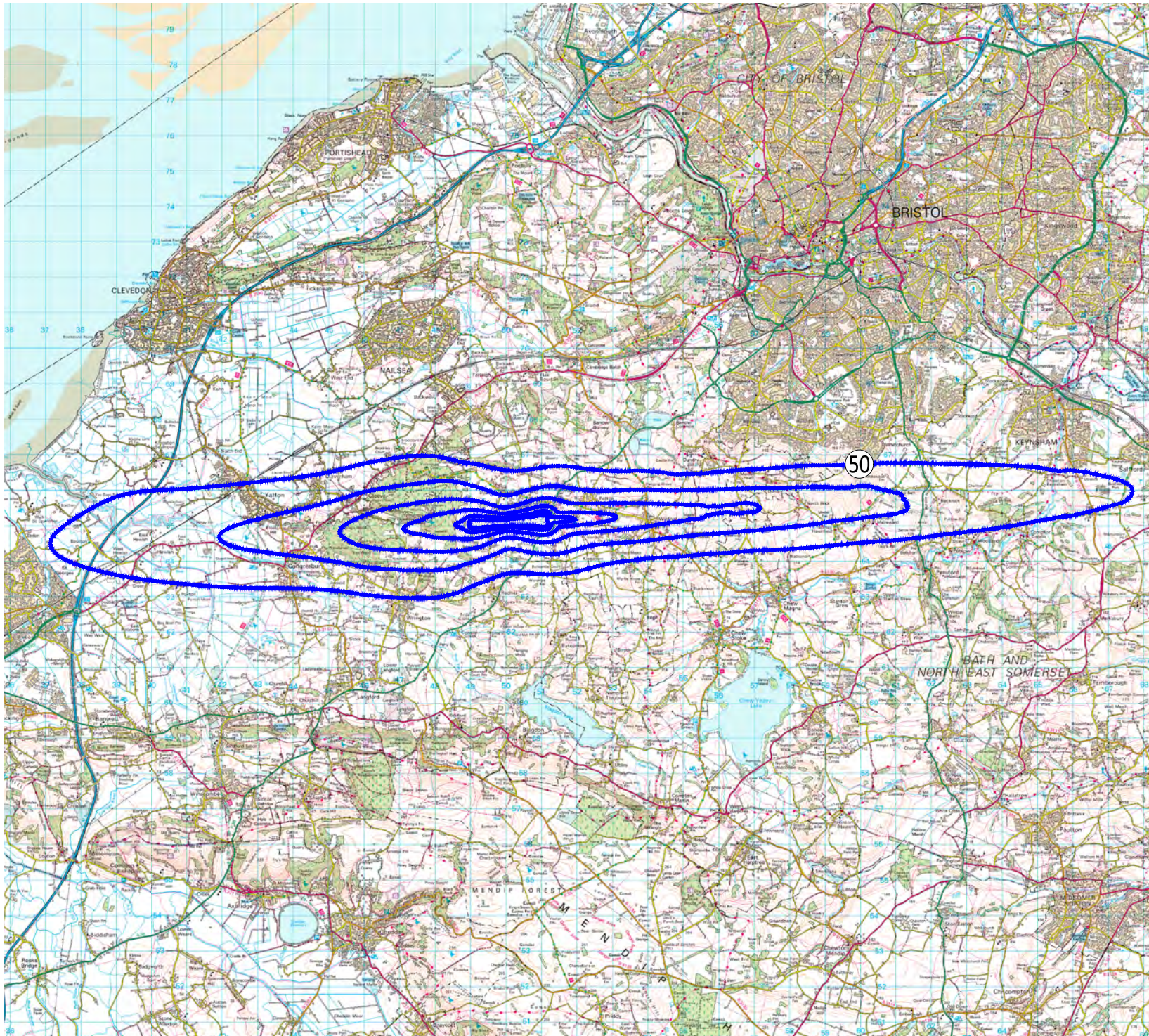
Figure 7D.27
10m ppa with 2026 Modernisation
Noise Contours Summer LAeq,8h

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LEGEND:

— Noise Contours,
50 to 75 dB Lden in 5 dB steps

Rev	Date	Description	Initials

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Figure 7D.28
10m ppa with 2026 Modernisation
Noise Contours Annual L_{den}

DRAWN: MP CHECKED: NW

DATE: September 2018 SCALE: 1:150000@A4

Drawing No:

A11172_03_DR028



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LEGEND:

— Noise Contours,
45 to 65 dB L_{night} in 5 dB steps

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Figure 7D.29
10m ppa with 2026 Modernisation
Noise Contours Annual L_{night}

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Drawing No:

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LEGEND:

Number Above Noise Contours,
10, 20, 50 and 100 N70

Rev	Date	Description	Initials
2.0	01/10/2018	Revised contours	MP

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Figure 7D.30
2017 Noise Contours
Summer Day N70

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Drawing No:

A11172_03_DR030_2.0



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LEGEND:

Number Above Noise Contours,
10, 20, 50, 100 and 200 N70

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Figure 7D.31
10m ppa Noise Contours
Summer Day N70

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Drawing No:

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LEGEND:

Number Above Noise Contours,
10, 20, 50, 100 and 200 N70

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Figure 7D.32
12m ppa Noise Contours
Summer Day N70

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DATE: September 2018 SCALE: 1:150000@A4

Drawing No:

A11172_03_DR032



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LEGEND:

Number Above Noise Contours,
10, 20, 50, 100 and 200 N70

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Figure 7D.33
10mppa with 2026 Modernisation
Noise Contours Summer Day N70

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DATE: September 2018 SCALE: 1:150000@A4

Drawing No:

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LEGEND:

Number Above Noise Contours,
10 and 20 N60

Rev	Date	Description	Initials
2.0	01/10/2018	Revised contours	MP

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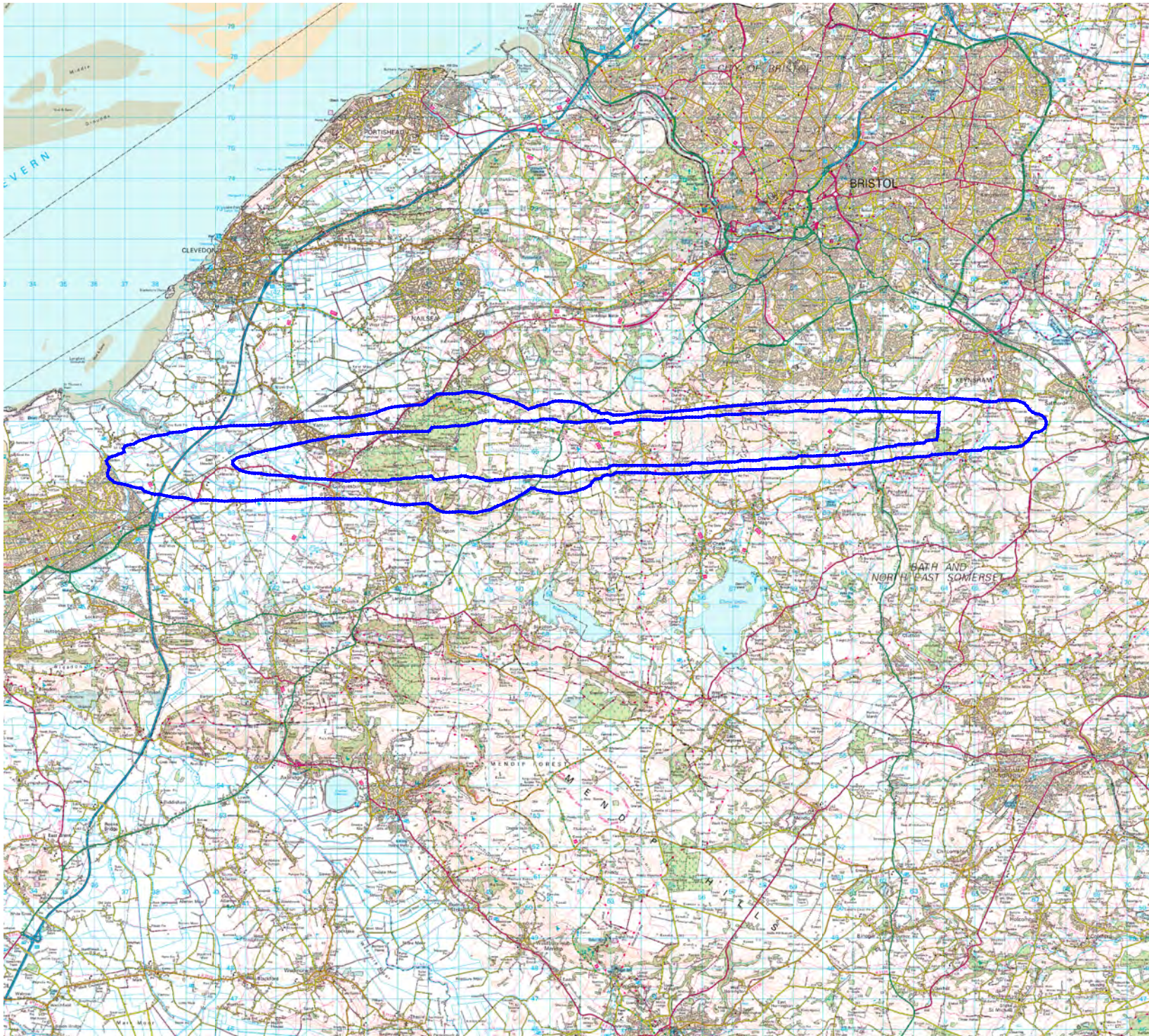
Figure 7D.34
2017 Noise Contours
Summer Night N60

DRAWN: DCH CHECKED: NW

DATE: September 2018 SCALE: 1:175000@A4

Drawing No:

A11172_03_DR034_2.0



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LEGEND:

Number Above Noise Contours,
10 and 20 N60

Rev	Date	Description	Initials
2.0	01/10/2018	Scale changed	MP

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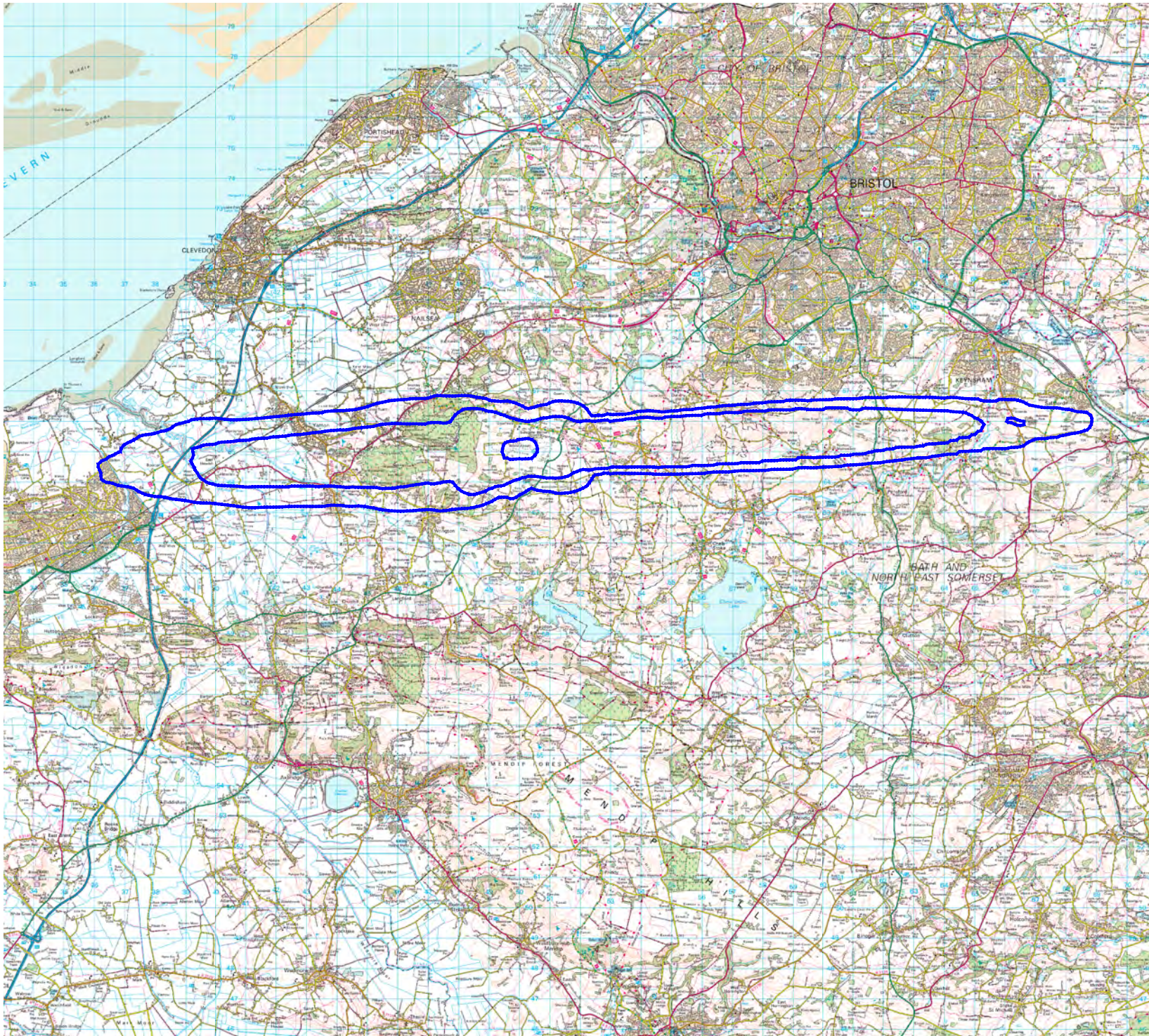
Figure 7D.35
10mppa Noise Contours
Summer Night N60

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Drawing No:

A11172_03_DR035_2.0



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LEGEND:

Number Above Noise Contours,
10, 20 and 50 N60

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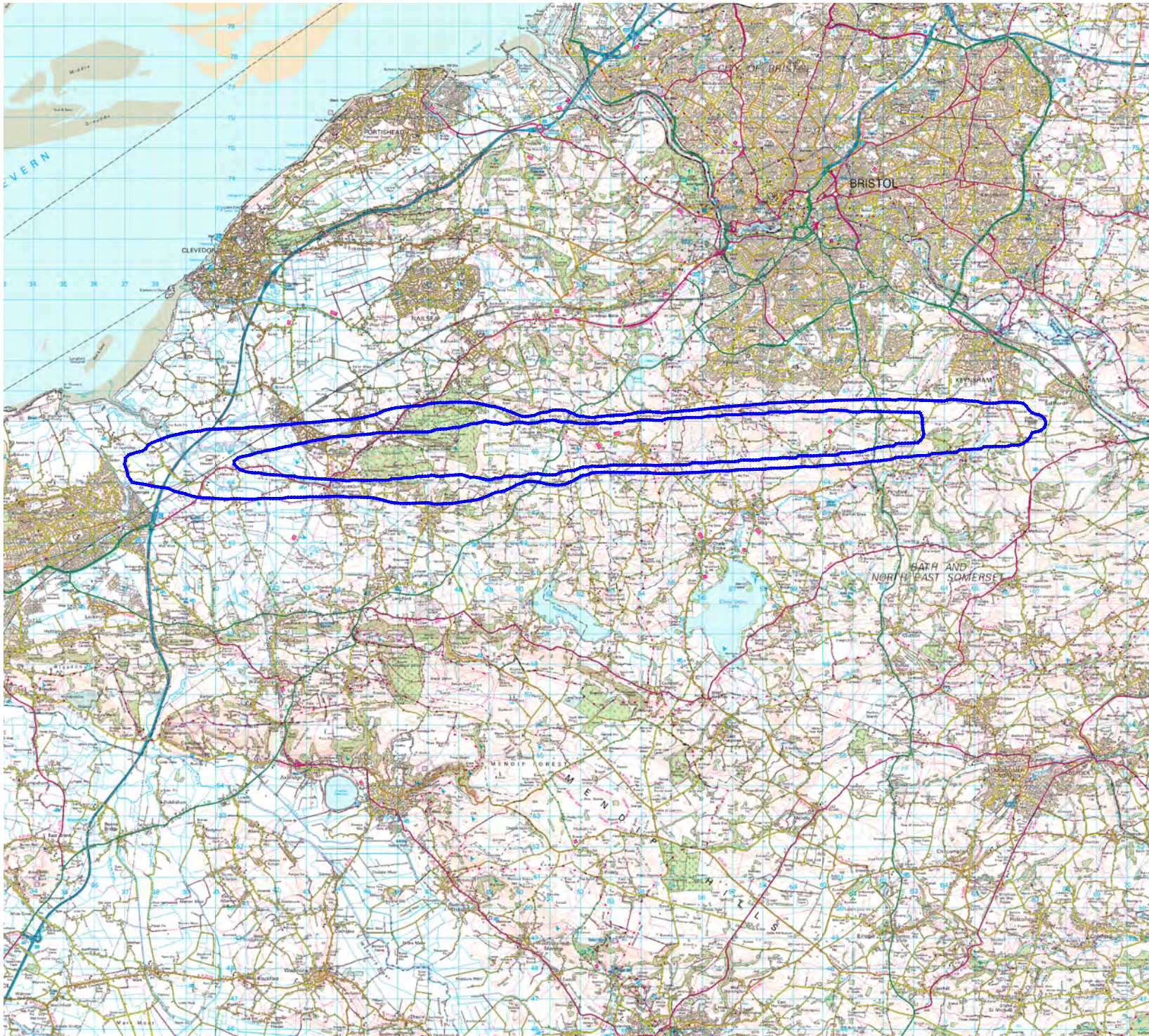
Figure 7D.36
12mppa Noise Contours
Summer Night N60

DRAWN: DCH CHECKED: NW

DATE: September 2018 SCALE: 1:175000@A4

Drawing No:

A11172_03_DR036_2.0



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LEGEND:

Number Above Noise Contours,
10 and 20 N60

Rev	Date	Description	Initials
2.0	01/10/2018	Scale changed	MP

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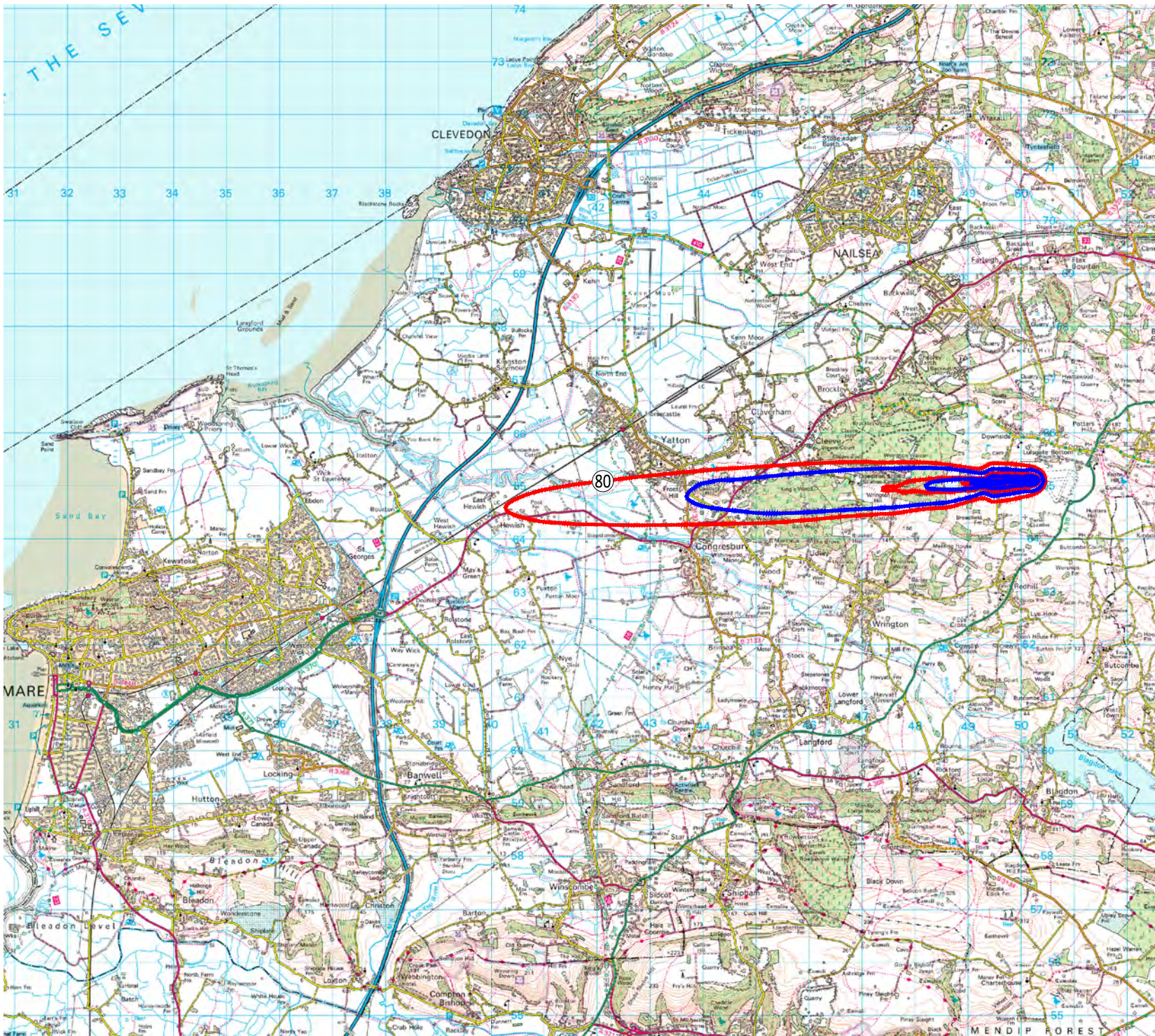
Figure 7D.37
10mppa with 2026 Modernisation
Noise Contours Summer Night N60

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DATE: September 2018 SCALE: 1:175000@A4

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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- A320
- A320 NEO

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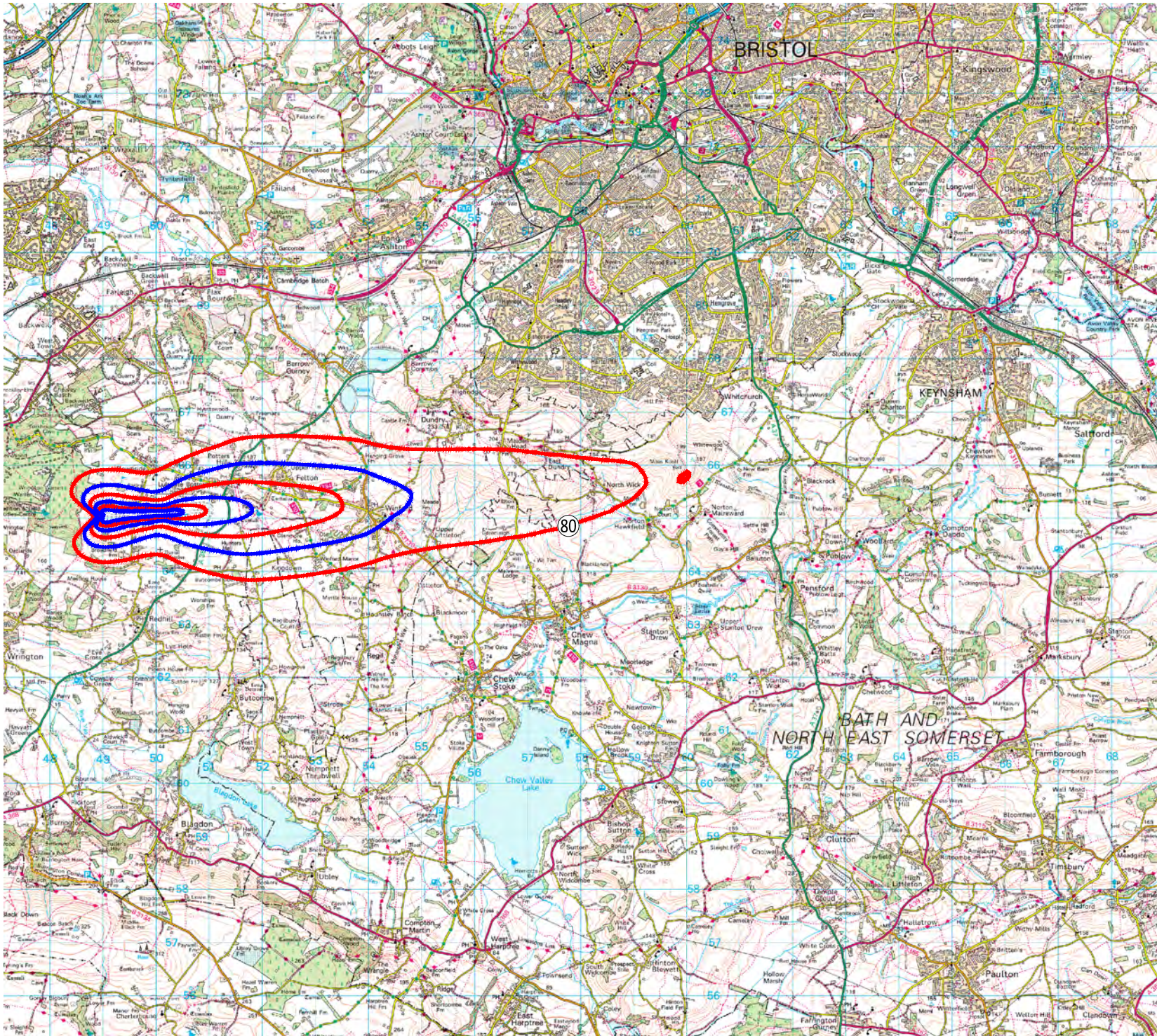
Figure 7D.38
SEL Contours Runway 09 Arrivals
Airbus A320 and A320 NEO

DRAWN: MP CHECKED: NW

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Drawing No:

A11172_03_DR038



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- A320
— A320 NEO

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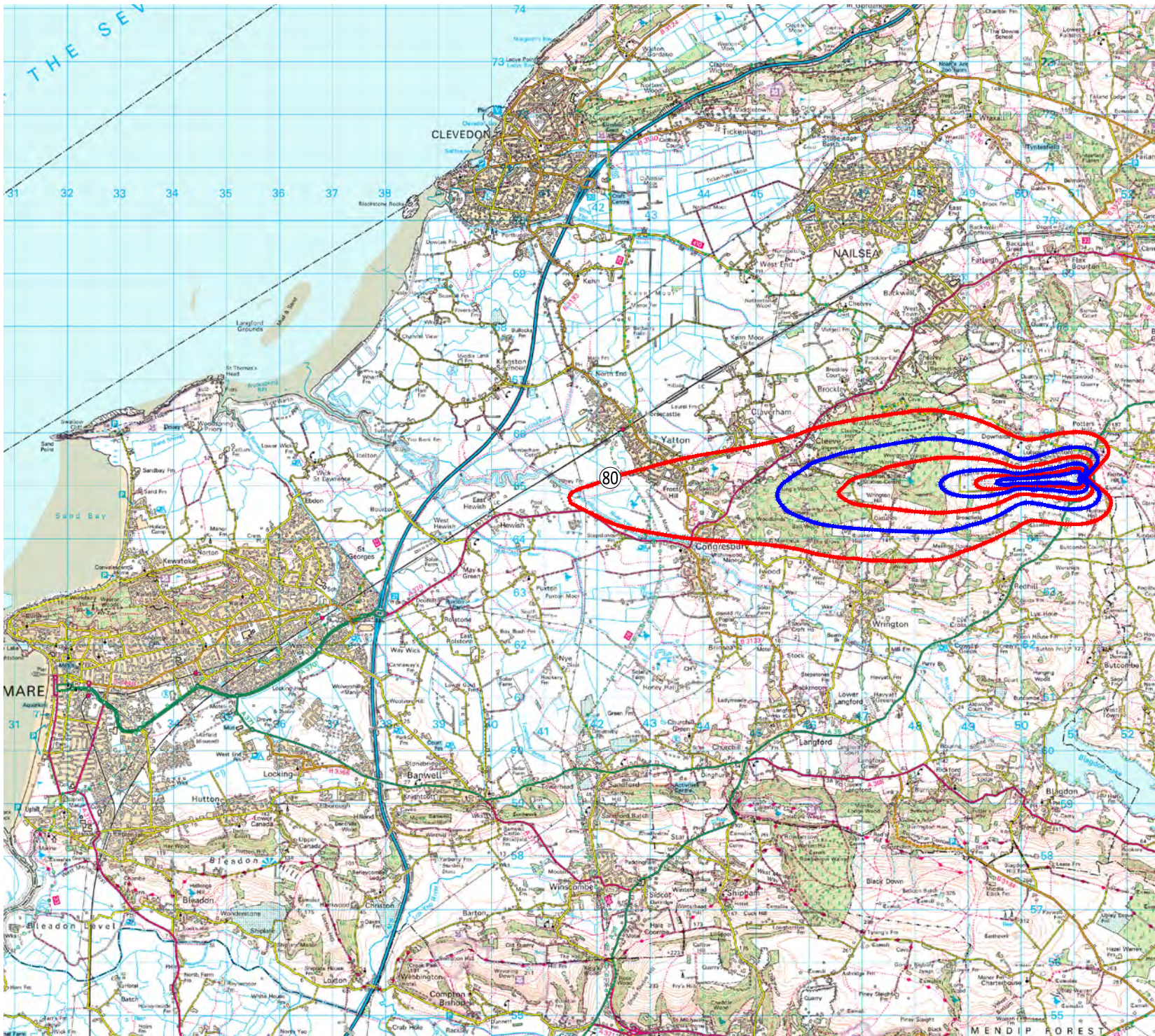
Figure 7D.39
SEL Contours Runway 09 Departures
Airbus A320 and A320 NEO

DRAWN: MP CHECKED: NW

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Drawing No:

A11172_03_DR039



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- A320
- A320 NEO

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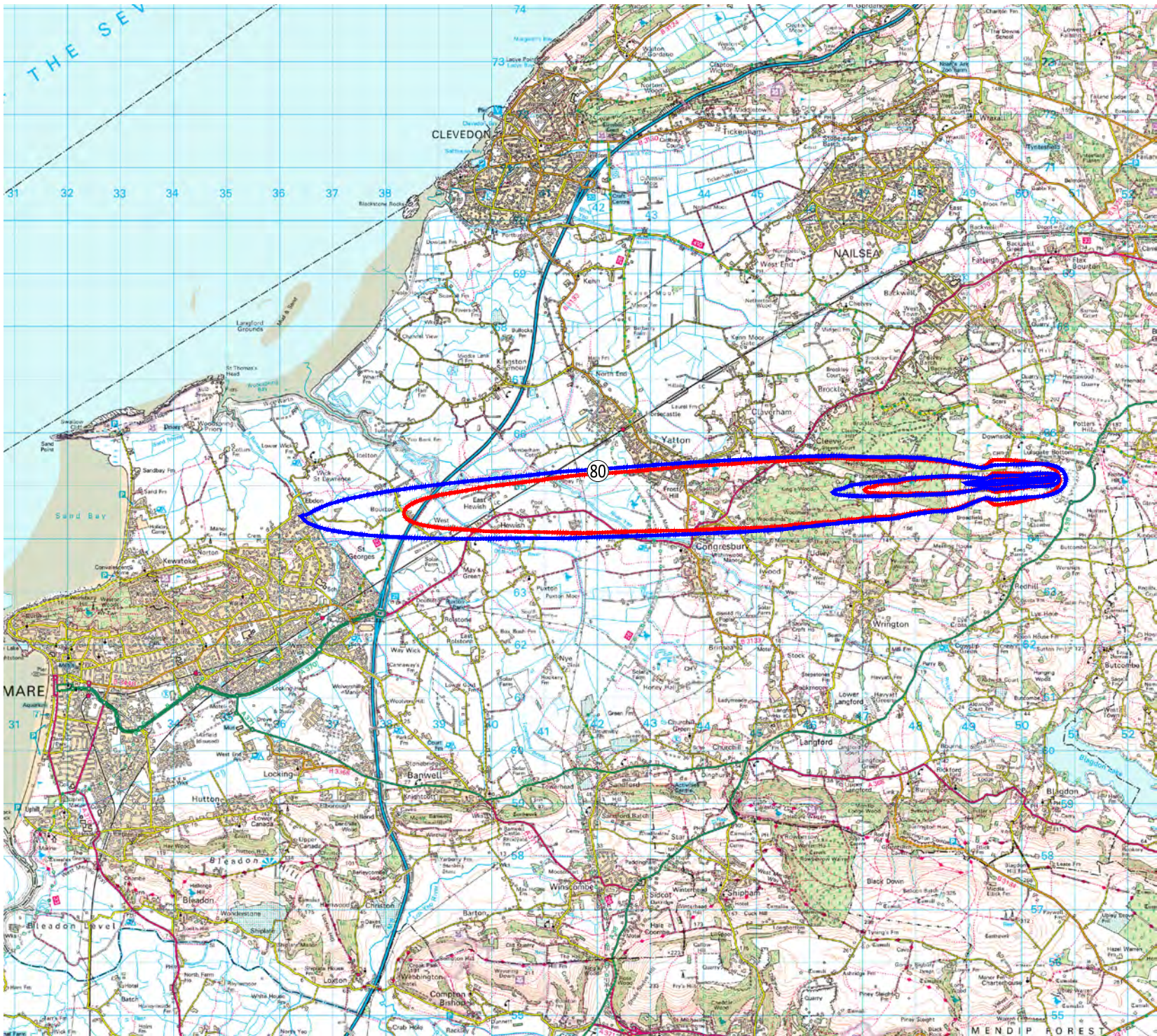
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Figure 7D.41
SEL Contours Runway 27 Departures
Airbus A320 and A320 NEO

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DATE: October 2018	SCALE: 1:100000@A4
Drawing No:	

A11172_03_DR041



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- B738
- B738 MAX

Rev	Date	Description	Initials

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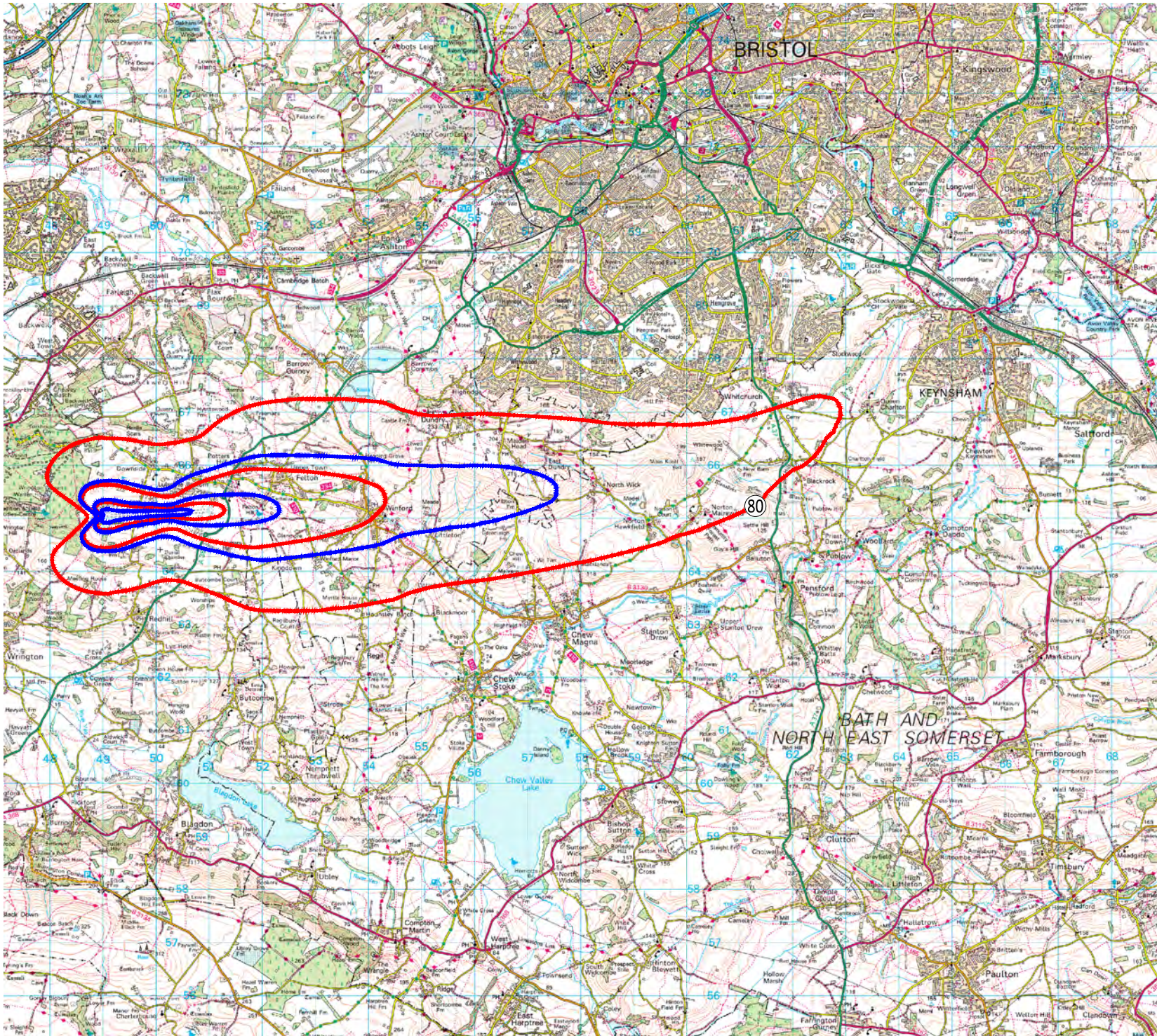
Figure 7D.42
SEL Contours Runway 09 Arrivals
Boeing B738 and B738 MAX

DRAWN: MP CHECKED: NW

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Drawing No:

A11172_03_DR042



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- B738
- B738 MAX

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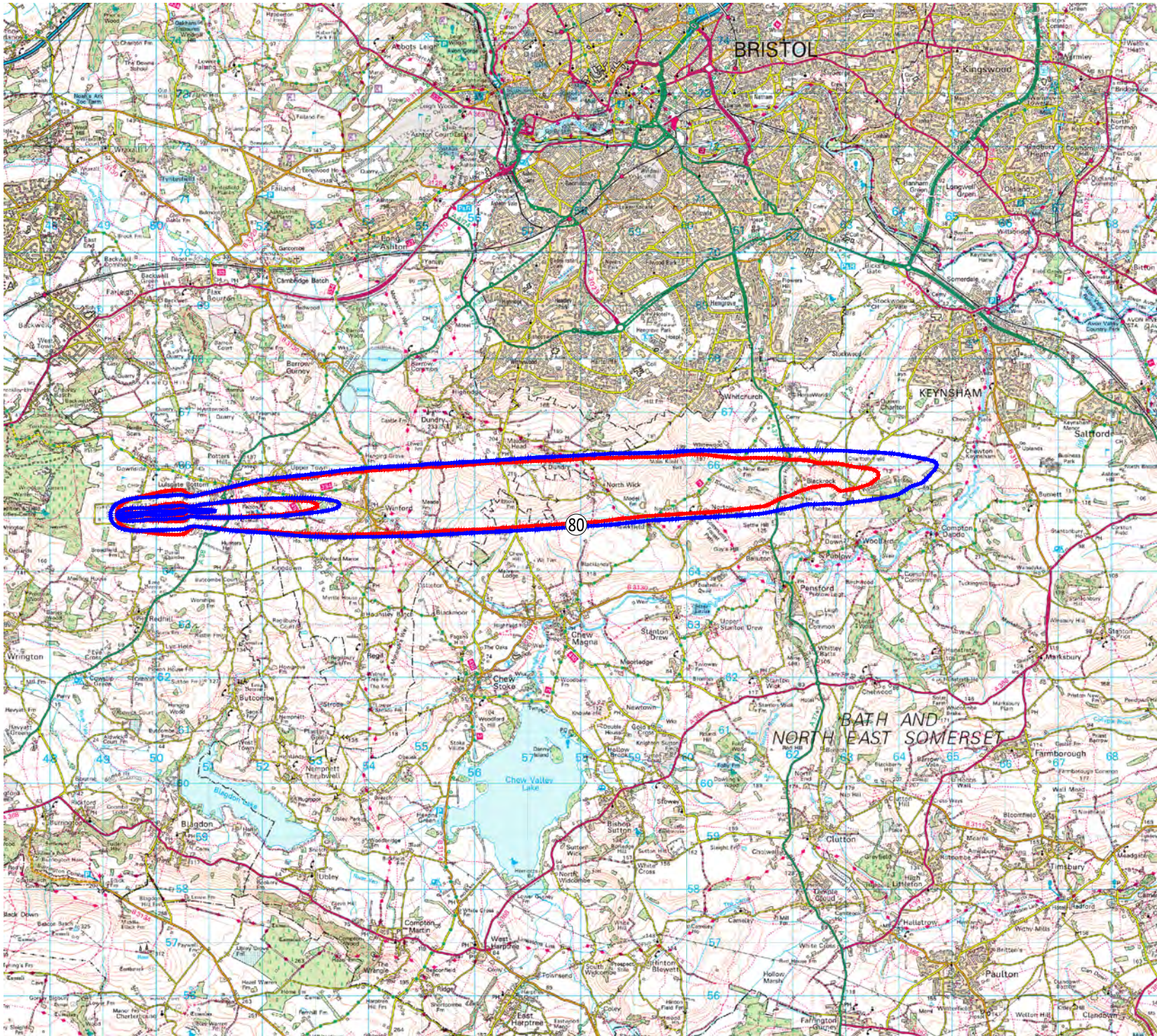
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Figure 7D.43
SEL Contours Runway 09 Departures
Boeing B738 and B738 MAX

DRAWN: MP CHECKED: NW

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Drawing No:
A11172_03_DR043



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- B738
- B738 MAX

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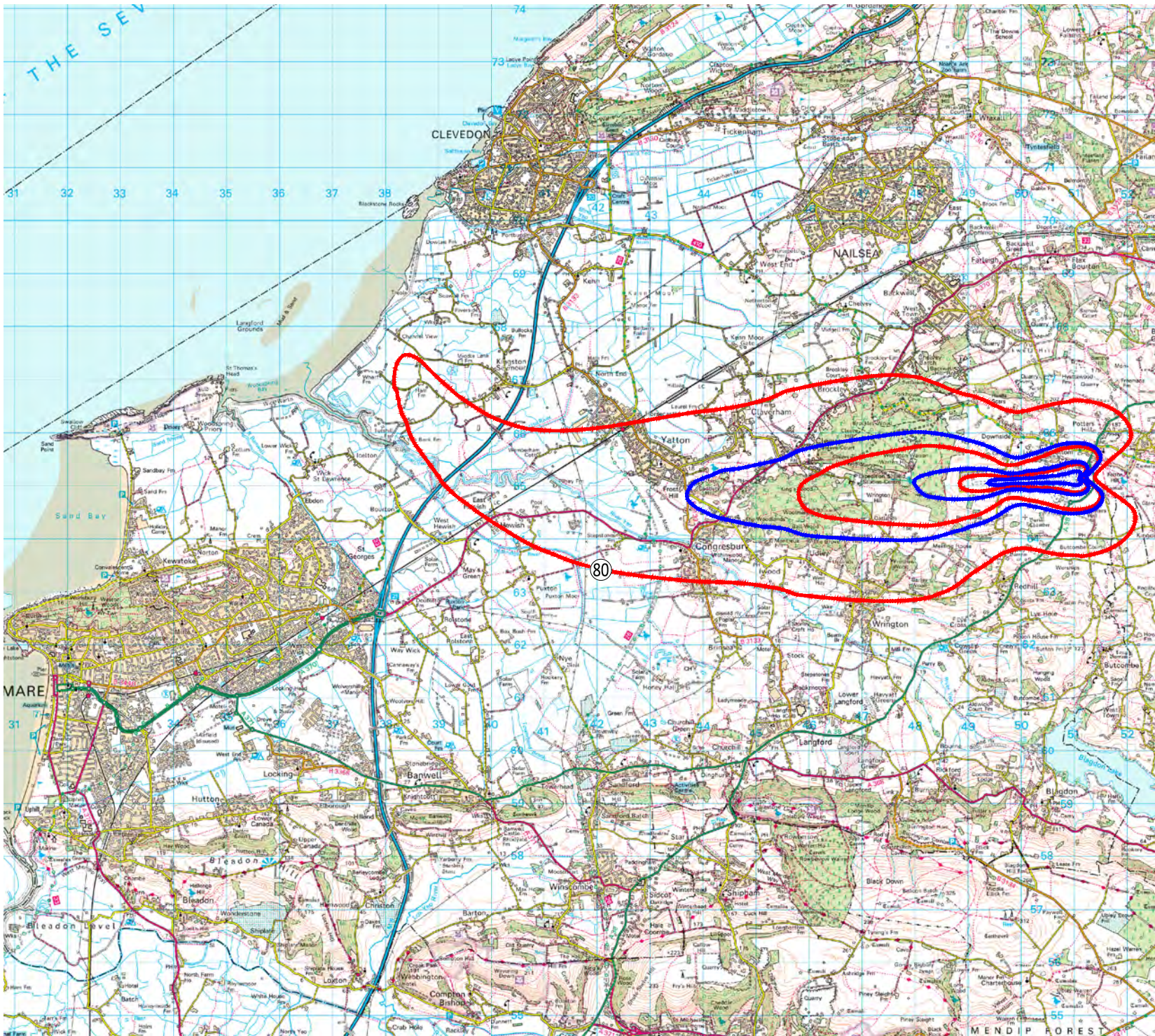
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Figure 7D.44
SEL Contours Runway 27 Arrivals
Boeing B738 and B738 MAX

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Drawing No:	

A11172_03_DR044



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LEGEND:

- Noise Contours,
80 to 100 dB SEL in 10 dB steps
- B738
- B738 MAX

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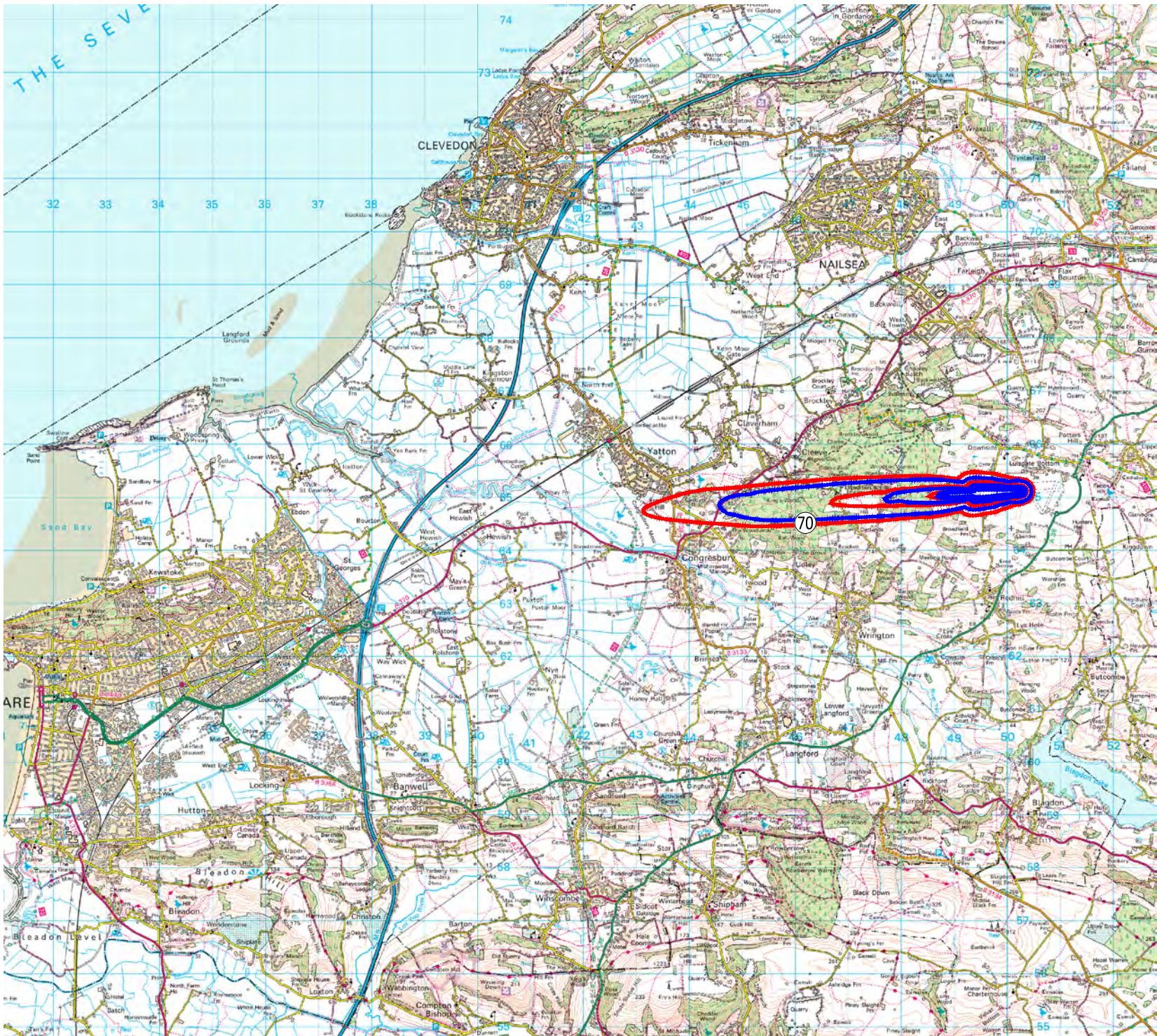
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Figure 7D.45
SEL Contours Runway 27 Departures
Boeing B738 and B738 MAX

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Drawing No:	

A11172_03_DR045



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LEGEND:

- Noise Contours,
70 to 90 dB L_{max} in 10 dB steps
- A320
- A320 NEO

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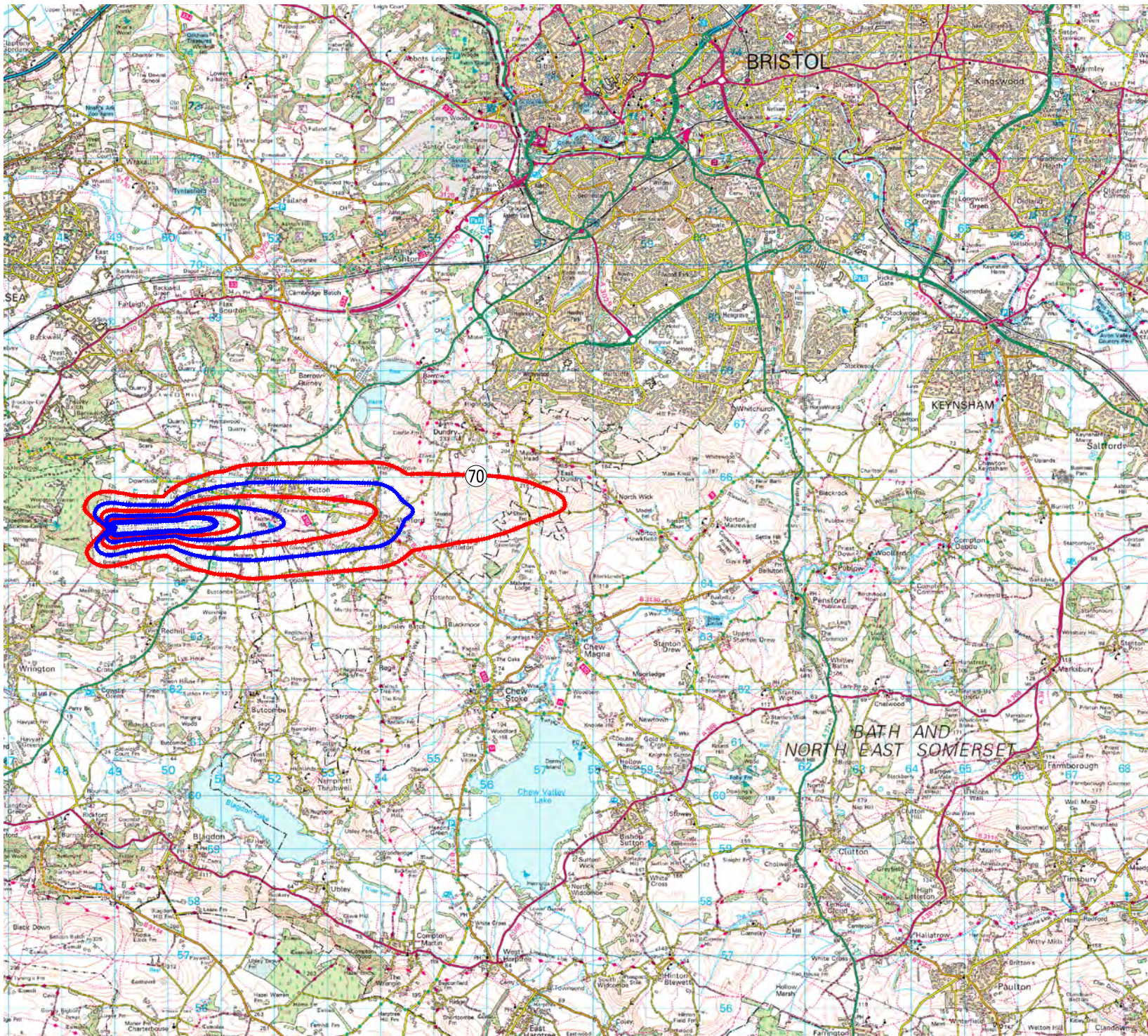
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Figure 7D.46
L_{max} Contours Runway 09 Arrivals
Airbus A320 and A320 NEO

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Drawing No:	

A11172_03_DR046



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LEGEND:

- Noise Contours,
70 to 90 dB L_{max} in 10 dB steps
- A320
- A320 NEO

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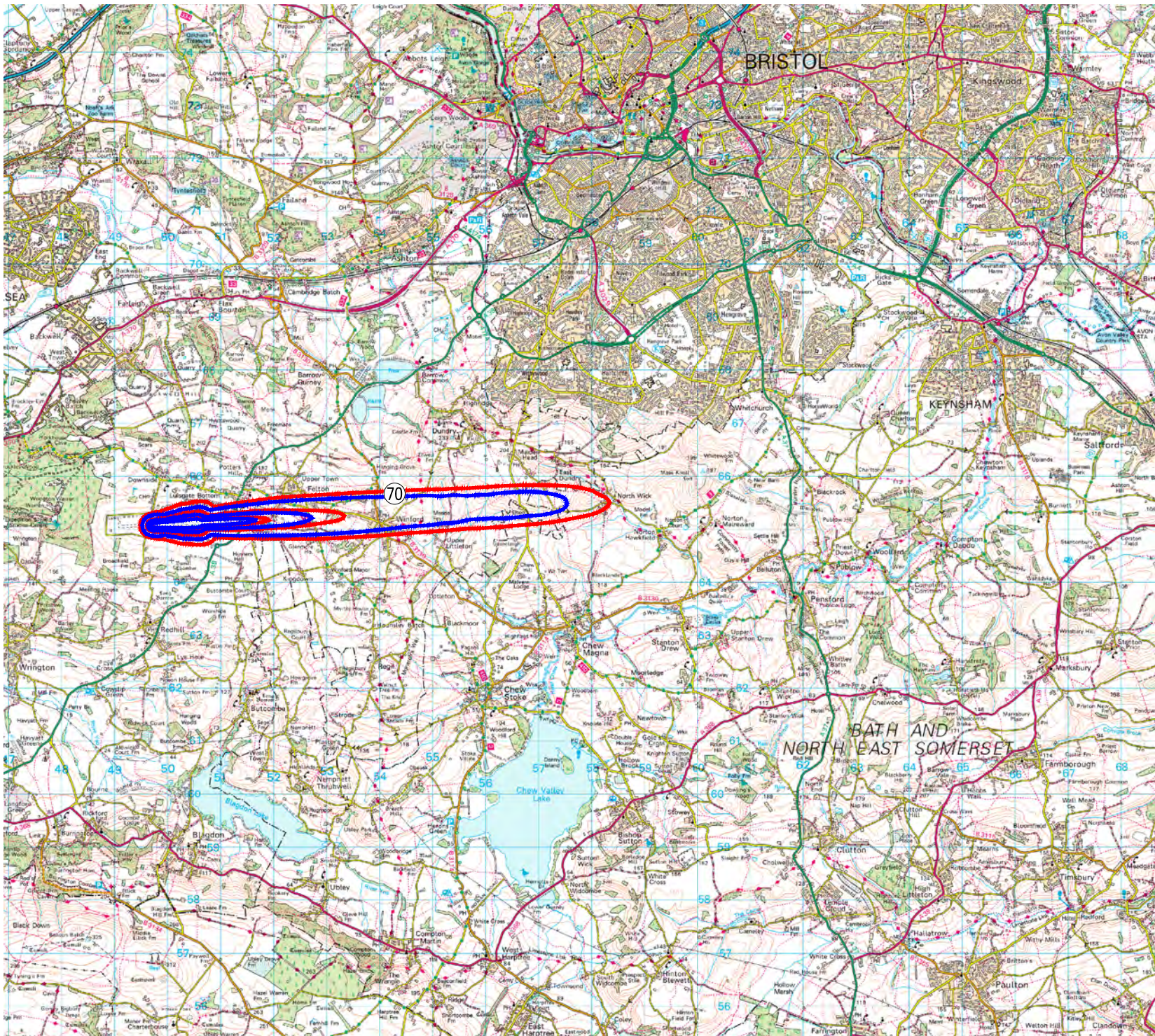
Figure 7D.47
L_{max} Contours Runway 09 Departures
Airbus A320 and A320 NEO

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Drawing No:

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LEGEND:

- Noise Contours,
- 70 to 90 dB L_{max} in 10 dB steps
- A320
- A320 NEO

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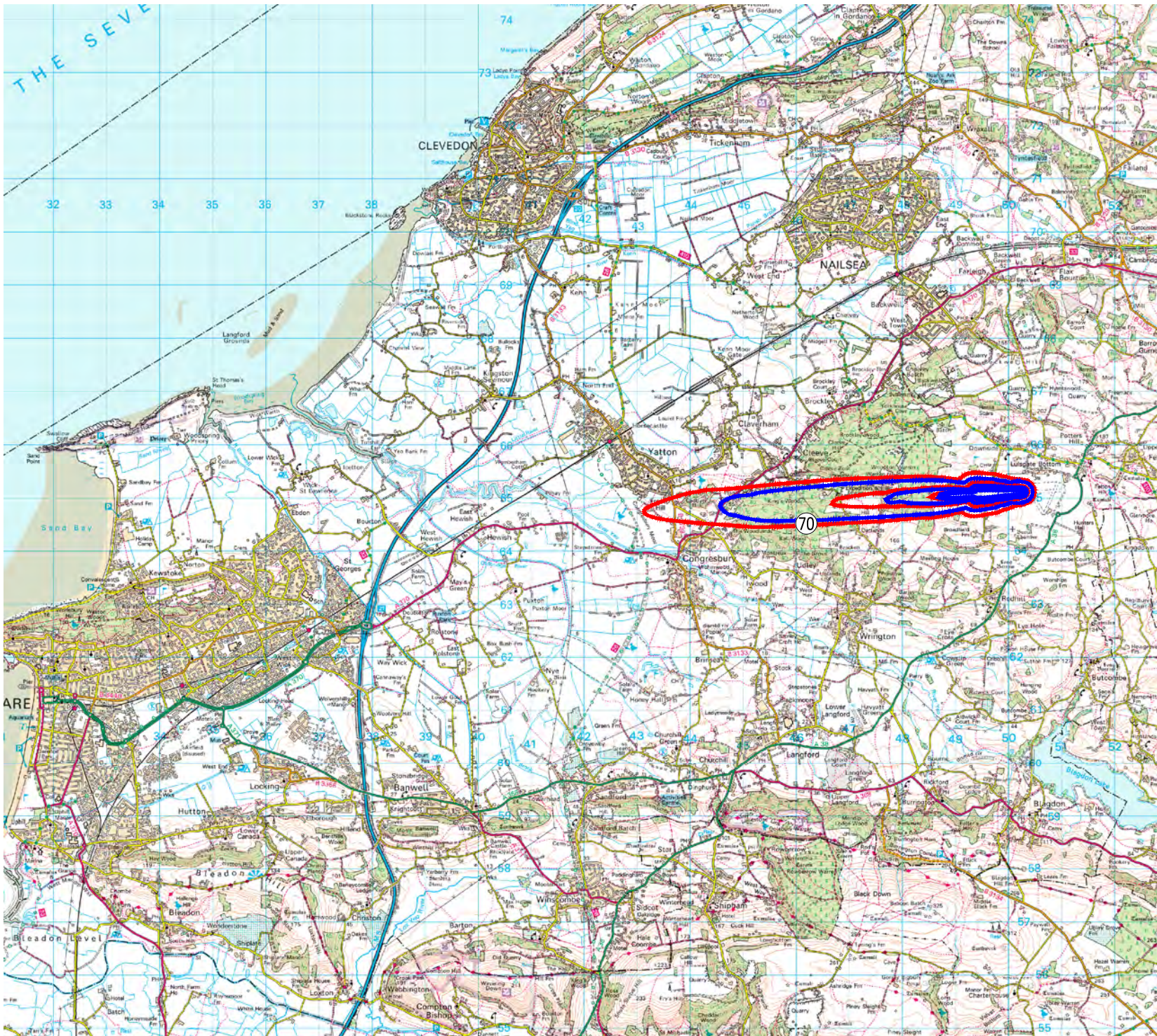
Figure 7D.48
L_{max} Contours Runway 27 Arrivals
Airbus A320 and A320 NEO

DRAWN: MP CHECKED: NW

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Drawing No:

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LEGEND:

- Noise Contours,
70 to 90 dB L_{max} in 10 dB steps
- A320
- A320 NEO

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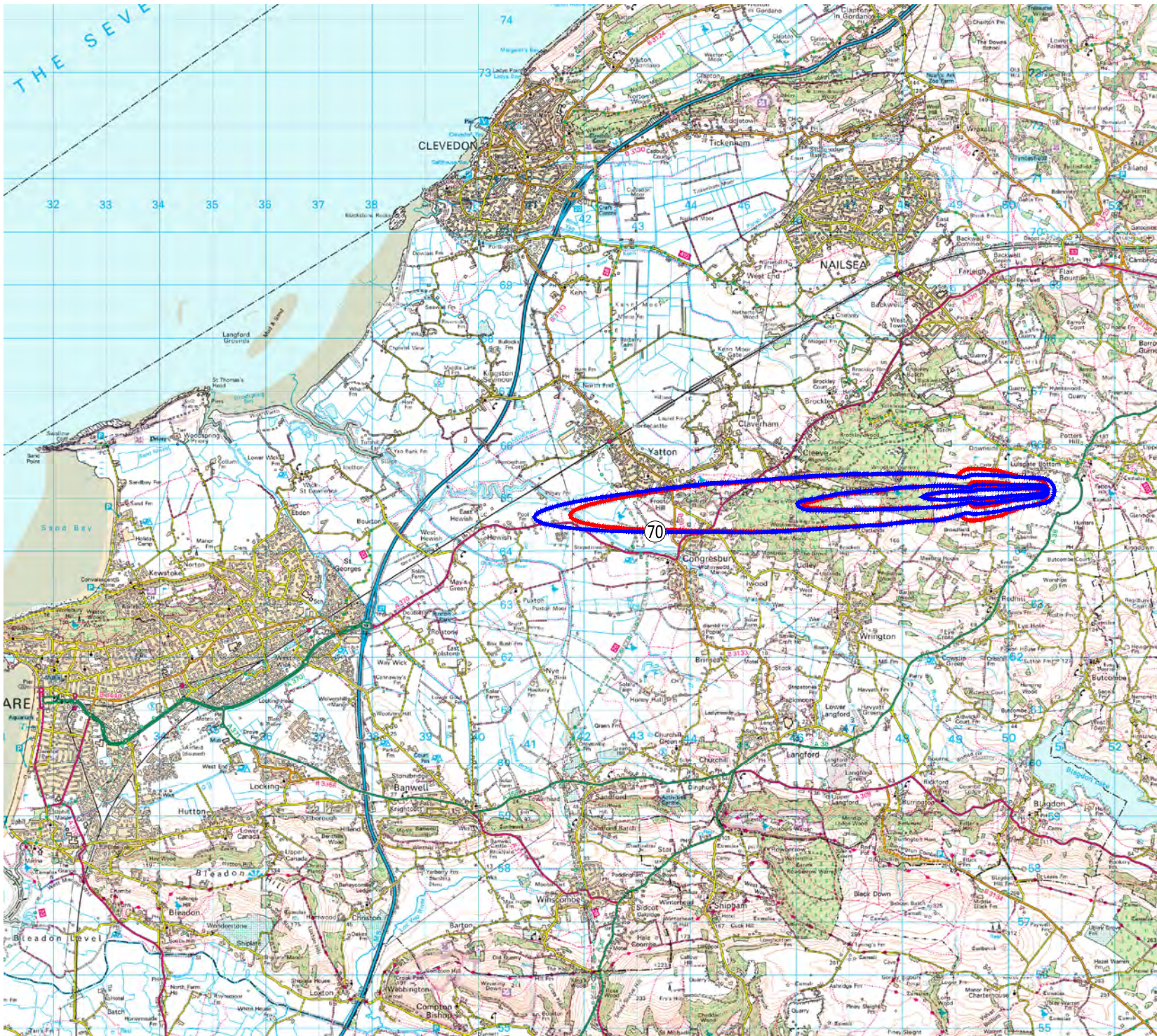
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Figure 7D.49
L_{max} Contours Runway 27 Departures
Airbus A320 and A320 NEO

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Drawing No:	

A11172_03_DR049



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LEGEND:

Noise Contours,
70 to 90 dB L_{max} in 10 dB steps

— B738
— B738 MAX

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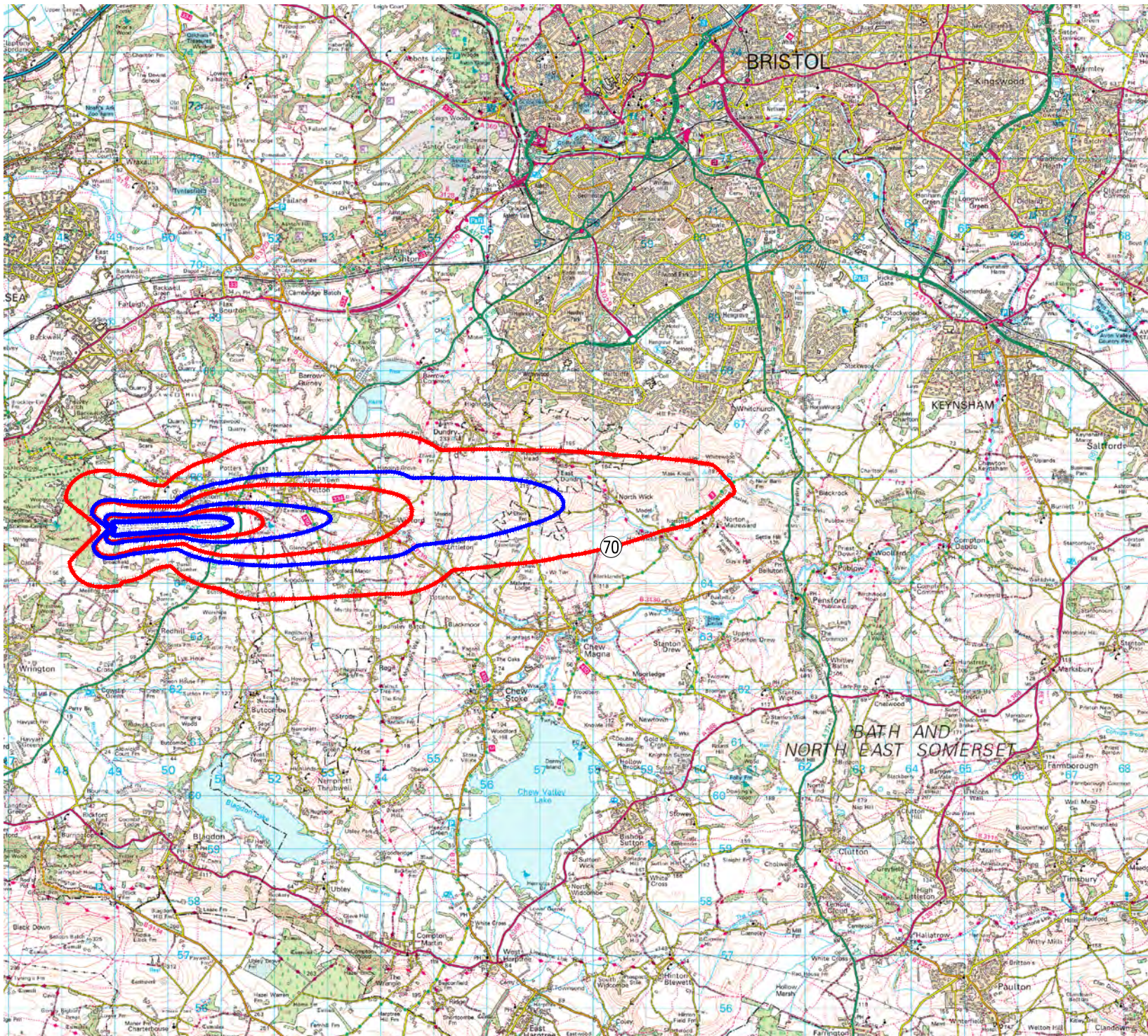
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Figure 7D.50
L_{max} Contours Runway 09 Arrivals
Boeing B738 and B738 MAX

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DATE: October 2018	SCALE: 1:100000@A4
Drawing No:	

A11172_03_DR050



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LEGEND:

Noise Contours,
70 to 90 dB L_{max} in 10 dB steps

— B738

— B738 MAX

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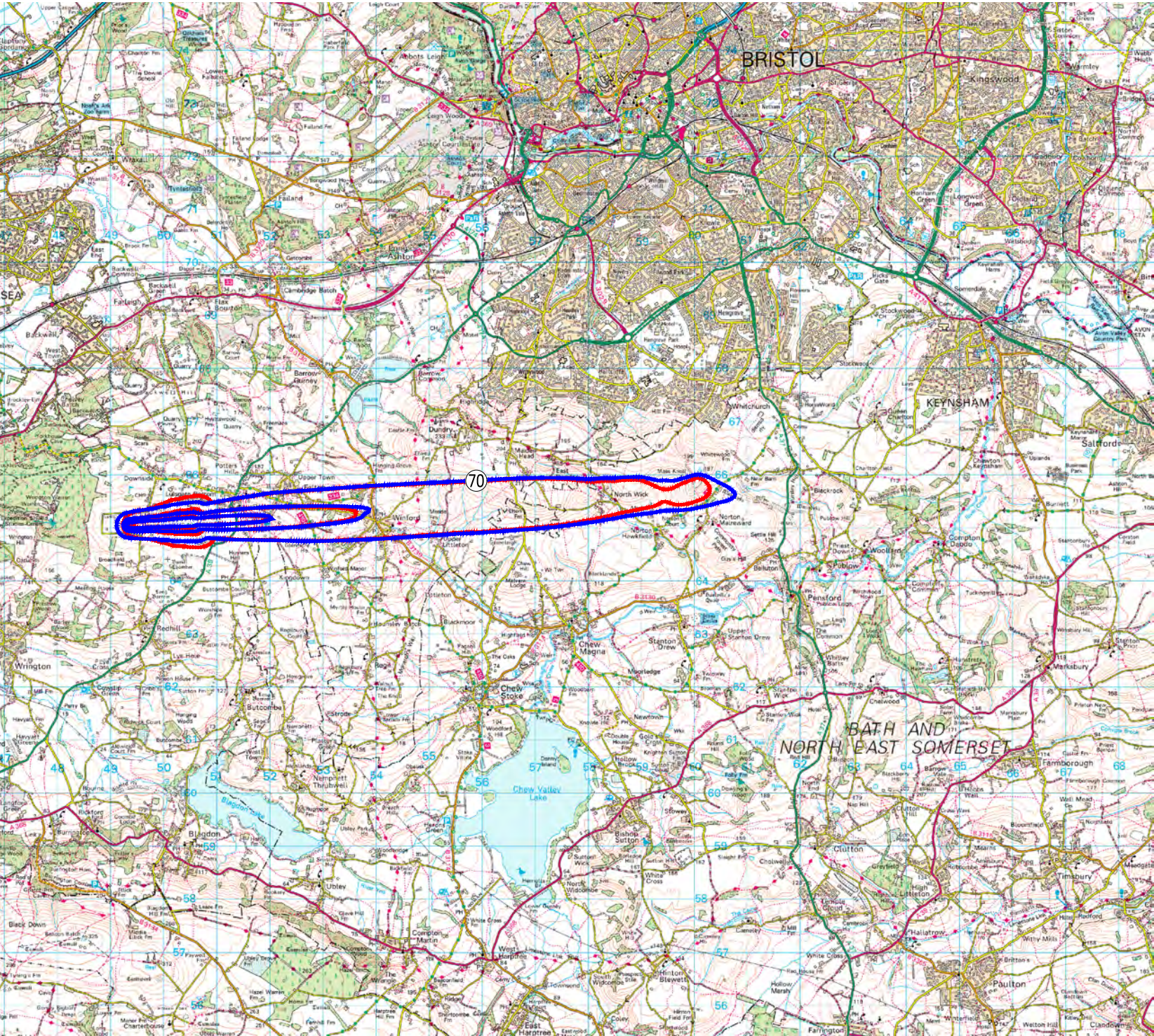
Figure 7D.51
L_{max} Contours Runway 09 Departures
Boeing B738 and B738 MAX

DRAWN: MP CHECKED: NW

DATE: October 2018 SCALE: 1:100000@A4

Drawing No:

A11172_03_DR051



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LEGEND:

- Noise Contours,
70 to 90 dB Lmax in 10 dB steps
- B738
- B738 MAX

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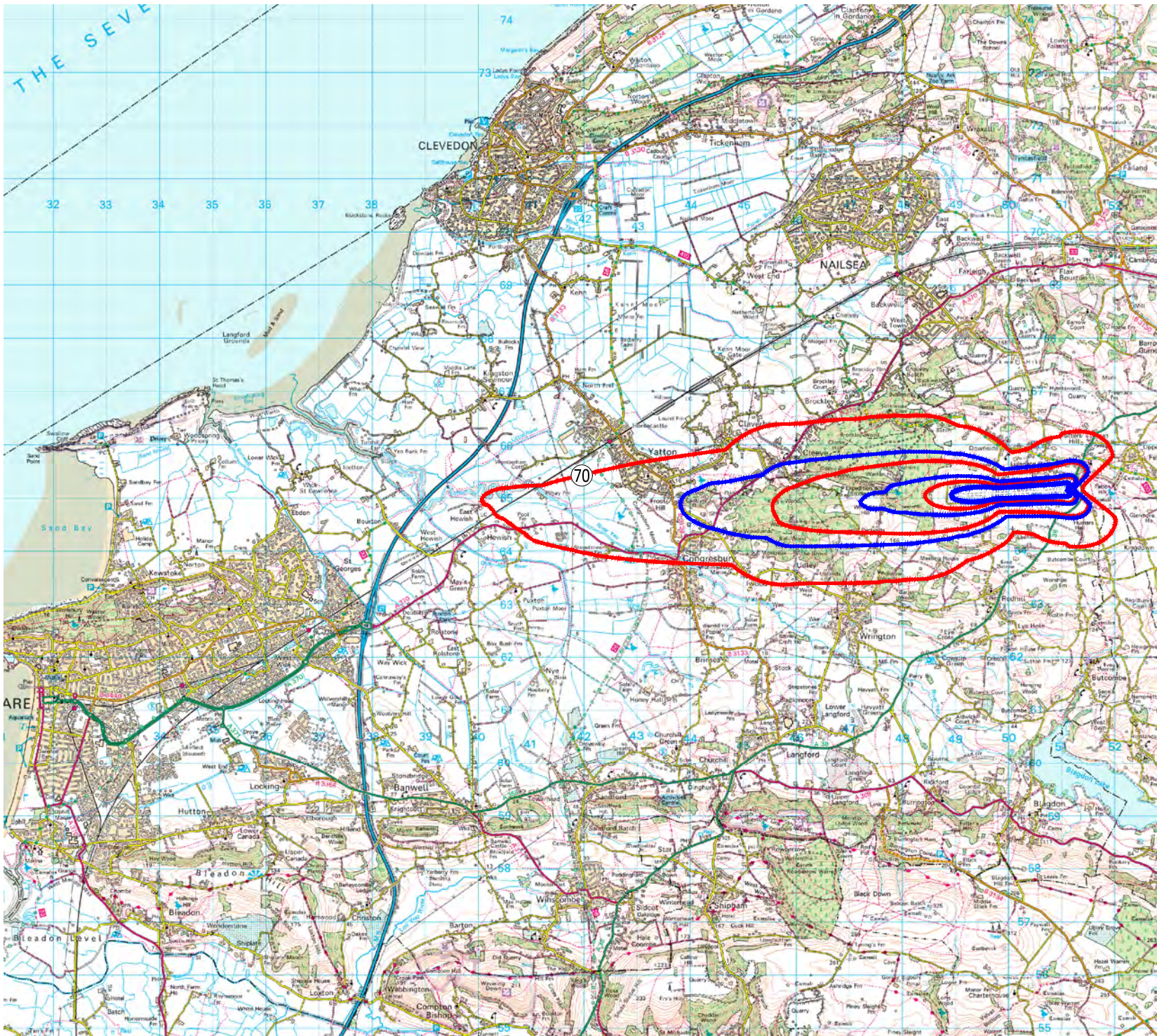
Figure 7D.52
L_{Amax} Contours Runway 27 Arrivals
Boeing B738 and B738 MAX

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Drawing No:

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70 to 90 dB L_{max} in 10 dB steps
- B738
- B738 MAX

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Figure 7D.53
L_{max} Contours Runway 27 Departures
Boeing B738 and B738 MAX

DRAWN: MP CHECKED: NW

DATE: October 2018 SCALE: 1:100000@A4

Drawing No:
A11172_03_DR053