

Glasgow Airport Airspace Change Proposal

Stage 3 Consultation Document
Appendix C: Noise mapping and data tables

Consultation 20 October 2025 to 25 January 2026
ACP-2019-46

Contents

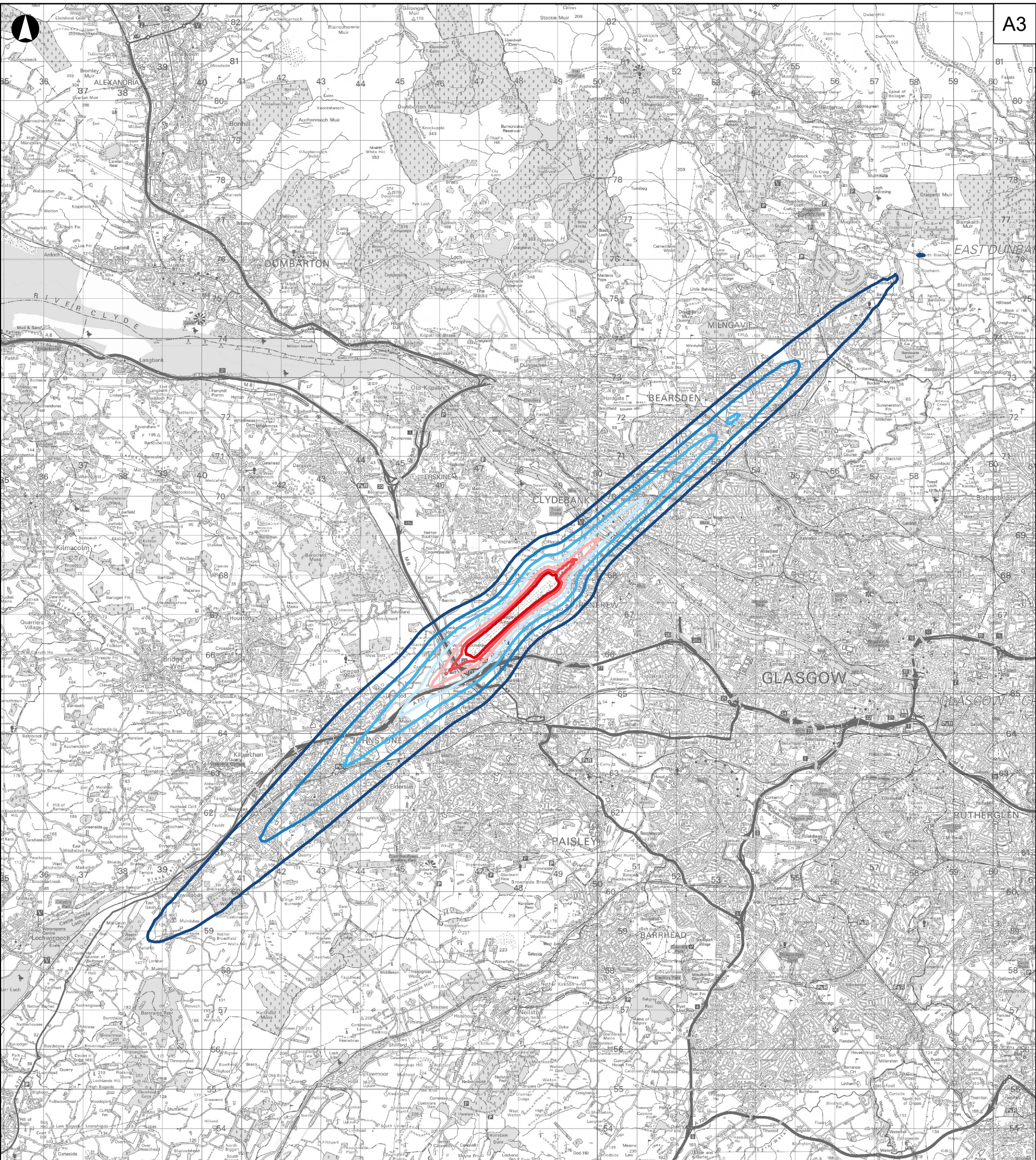
Ref / Link	Scenario	Year	Metric	Figure title
1	Baseline	2022	LAeq,16h	Figure TA1: Without Airspace Change 2022 92-day summer daytime LAeq,16h
2	Without airspace change	2027	LAeq,16h	Figure TA9: Without Airspace Change 2027 92-day summer daytime LAeq,16h
3	With airspace change	2027	LAeq,16h	Figure TA41: With Airspace Change Option 5 2027 92-day summer daytime LAeq,16h
4	Without airspace change	2036	LAeq,16h	Figure TA17: Without Airspace Change 2036 92-day summer daytime LAeq,16h
5	With airspace change	2036	LAeq,16h	Figure TA49: With Airspace Change Option 5 2036 92-day summer daytime LAeq,16h
6	Baseline	2022	LAeq,8h	Figure TA2: Without Airspace Change 2022 92-day summer night-time LAeq,8h
7	Without airspace change	2027	LAeq,8h	Figure TA10: Without Airspace Change 2027 92-day summer night-time LAeq,8h
8	With airspace change	2027	LAeq,8h	Figure TA42: With Airspace Change Option 5 2027 92-day summer night-time LAeq,8h
9	Without airspace change	2036	LAeq,8h	Figure TA18: Without Airspace Change 2036 92-day summer night-time LAeq,8h
10	With airspace change	2036	LAeq,8h	Figure TA50: With Airspace Change Option 5 2036 92-day summer night-time LAeq,8h
11	Baseline	2022	N65	Figure TA3: Without Airspace Change 2022 92-day summer daytime N65
12	Without airspace change	2027	N65	Figure TA11: Without Airspace Change 2027 92-day summer daytime N65
13	With airspace change	2027	N65	Figure TA43: With Airspace Change Option 5 2027 92-day summer daytime N65
14	Without airspace change	2036	N65	Figure TA19: Without Airspace Change 2036 92-day summer daytime N65
15	With airspace change	2036	N65	Figure TA51: With Airspace Change Option 5 2036 92-day summer daytime N65
16	Baseline	2022	N60	Figure TA4: Without Airspace Change 2022 92-day summer night-time N60
17	Without airspace change	2027	N60	Figure TA12: Without Airspace Change 2027 92-day summer night-time N60
18	With airspace change	2027	N60	Figure TA44: With Airspace Change Option 5 2027 92-day summer night-time N60
19	Without airspace change	2036	N60	Figure TA20: Without Airspace Change 2036 92-day summer night-time N60
20	With airspace change	2036	N60	Figure TA52: With Airspace Change Option 5 2036 92-day summer night-time N60
21	Baseline	2022	Overflight (day)	Figure TA5: Without Airspace Change 2022 92-day summer daytime Overflights
22	Without airspace change	2027	Overflight (day)	Figure TA13: Without Airspace Change 2027 92-day summer daytime Overflights
23	With airspace change	2027	Overflight (day)	Figure TA45: With Airspace Change Option 5 2027 92-day summer daytime Overflights
24	Without airspace change	2036	Overflight (day)	Figure TA21: Without Airspace Change 2036 92-day summer daytime Overflights

Contents (continued)

Ref / Link	Scenario	Year	Metric	Figure title
25	With airspace change	2036	Overflight (day)	Figure TA53: With Airspace Change Option 5 2036 92-day summer daytime Overflights
26	Baseline	2022	Overflight (night)	Figure TA6: Without Airspace Change 2022 92-day summer night-time Overflights
27	Without airspace change	2027	Overflight (night)	Figure TA14: Without Airspace Change 2027 92-day summer night-time Overflights
28	With airspace change	2027	Overflight (night)	Figure TA46: With Airspace Change Option 5 2027 92-day summer night-time Overflights
29	Without airspace change	2036	Overflight (night)	Figure TA22: Without Airspace Change 2036 92-day summer night-time Overflights
30	With airspace change	2036	Overflight (night)	Figure TA54: With Airspace Change Option 5 2036 92-day summer night-time Overflights
31	Baseline	2022	Overflight (day) with tranquillity receptors overlaid	Figure TA7: Without Airspace Change 2022 92-day summer daytime Overflights with tranquillity areas
32	Without airspace change	2027	Overflight (day) with tranquillity receptors overlaid	Figure TA15: Without Airspace Change 2027 92-day summer daytime Overflights with tranquillity areas
33	With airspace change	2027	Overflight (day) with tranquillity receptors overlaid	Figure TA47: With Airspace Change Option 5 2027 92-day summer daytime Overflights with tranquillity areas
34	Without airspace change	2036	Overflight (day) with tranquillity receptors overlaid	Figure TA23: Without Airspace Change 2036 92-day summer daytime Overflights with tranquillity areas
35	With airspace change	2036	Overflight (day) with tranquillity receptors overlaid	Figure TA55: With Airspace Change Option 5 2036 92-day summer daytime Overflights with tranquillity areas
36	Baseline	2022	Overflight (day) with European Sites overlaid	Figure TA8: Without Airspace Change 2022 92-day summer daytime Overflights with European sites
37	Without airspace change	2027	Overflight (day) with European Sites overlaid	Figure TA16: Without Airspace Change 2027 92-day summer daytime Overflights with European sites
38	With airspace change	2027	Overflight (day) with European Sites overlaid	Figure TA48: With Airspace Change Option 5 2027 92-day summer daytime Overflights with European sites
39	Without airspace change	2036	Overflight (day) with European Sites overlaid	Figure TA24: Without Airspace Change 2036 92-day summer daytime Overflights with European sites
40	With airspace change	2036	Overflight (day) with European Sites overlaid	Figure TA56: With Airspace Change Option 5 2036 92-day summer daytime Overflights with European sites
41	With airspace change	2036	100% westerly LAeq,16h	Figure TA57: With Airspace Change Option 5 2036 92-day summer 100% westerly daytime LAeq,16h
42	With airspace change	2036	100% easterly LAeq,16h	Figure TA58: With Airspace Change Option 5 2036 92-day summer 100% easterly daytime LAeq,16h
43	With airspace change	2036	100% westerly LAeq,8h	Figure TA59: With Airspace Change Option 5 2036 92-day summer 100% westerly night-time LAeq,8h
44	With airspace change	2036	100% easterly LAeq,8h	Figure TA60: With Airspace Change Option 5 2036 92-day summer 100% easterly night-time LAeq,8h
45	With airspace change	2036	100% westerly overflight (day)	Figure TA61: With Airspace Change Option 5 2036 92-day summer 100% westerly daytime Overflights
46	With airspace change	2036	100% easterly overflight (day)	Figure TA62: With Airspace Change Option 5 2036 92-day summer 100% easterly daytime Overflights
47	With airspace change	2036	100% westerly overflight (night)	Figure TA63: With Airspace Change Option 5 2036 92-day summer 100% westerly night-time Overflights
48	With airspace change	2036	100% easterly overflight (night)	Figure TA64: With Airspace Change Option 5 2036 92-day summer 100% easterly night-time Overflights

Contents (continued)

Ref / Link	Scenario	Year	Metric	Figure title
49	With airspace change	2036	Difference contour LAeq,16h	Figure TA65: With Airspace Change Option 5 2036 92-day summer difference daytime LAeq,16h
50	With airspace change	2036	Difference contour LAeq,8h	Figure TA66: With Airspace Change Option 5 2036 92-day summer difference night-time LAeq,8h
51	With airspace change	2036	LAmaz (worst)	Figure TA67: With Airspace Change Option 5 2036 Maximum spot noise levels (worst-case of all aircraft types) - west
52	With airspace change	2036	LAmaz (worst)	Figure TA68: With Airspace Change Option 5 2036 Maximum spot noise levels (worst-case of all aircraft types) - east
53	With airspace change	2036	LAmaz (typical)	Figure TA69: With Airspace Change Option 5 2036 Maximum spot noise levels (most common aircraft type - A320neo) - west
54	With airspace change	2036	LAmaz (typical)	Figure TA70: With Airspace Change Option 5 2036 Maximum spot noise levels (most common aircraft type - A320neo) - east
55	Noise Data Tables			
56	Tranquility Data Tables			
57	Biodiversity Data Tables			
58	100% Runway 05 Mode Data Tables			
59	100% Runway 23 Mode Data Tables			



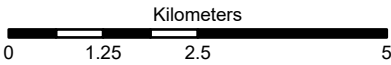
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

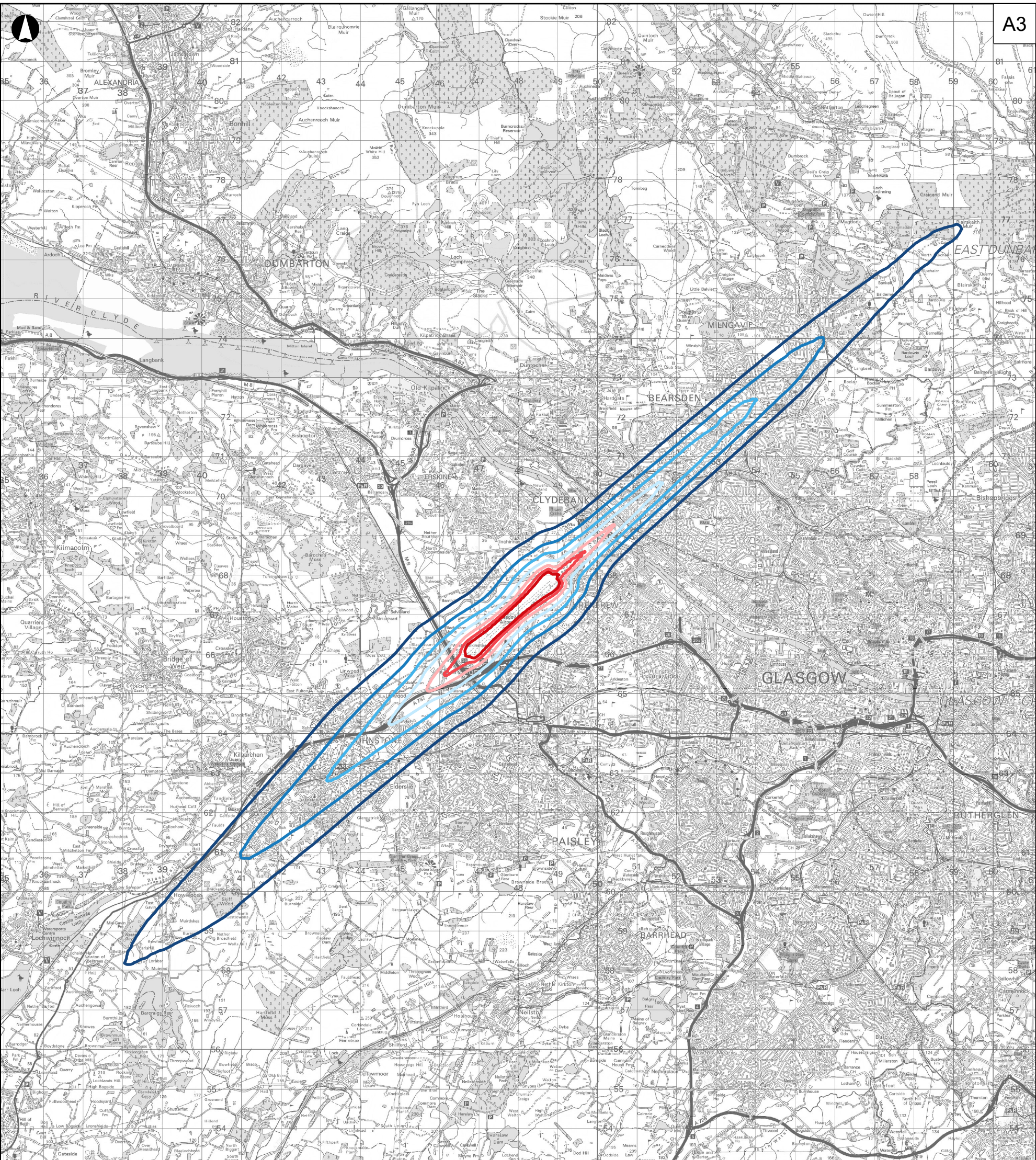
Drawing Title
**Figure TA1:
2022 Without Airspace Change
92-day summer daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



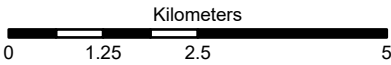
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

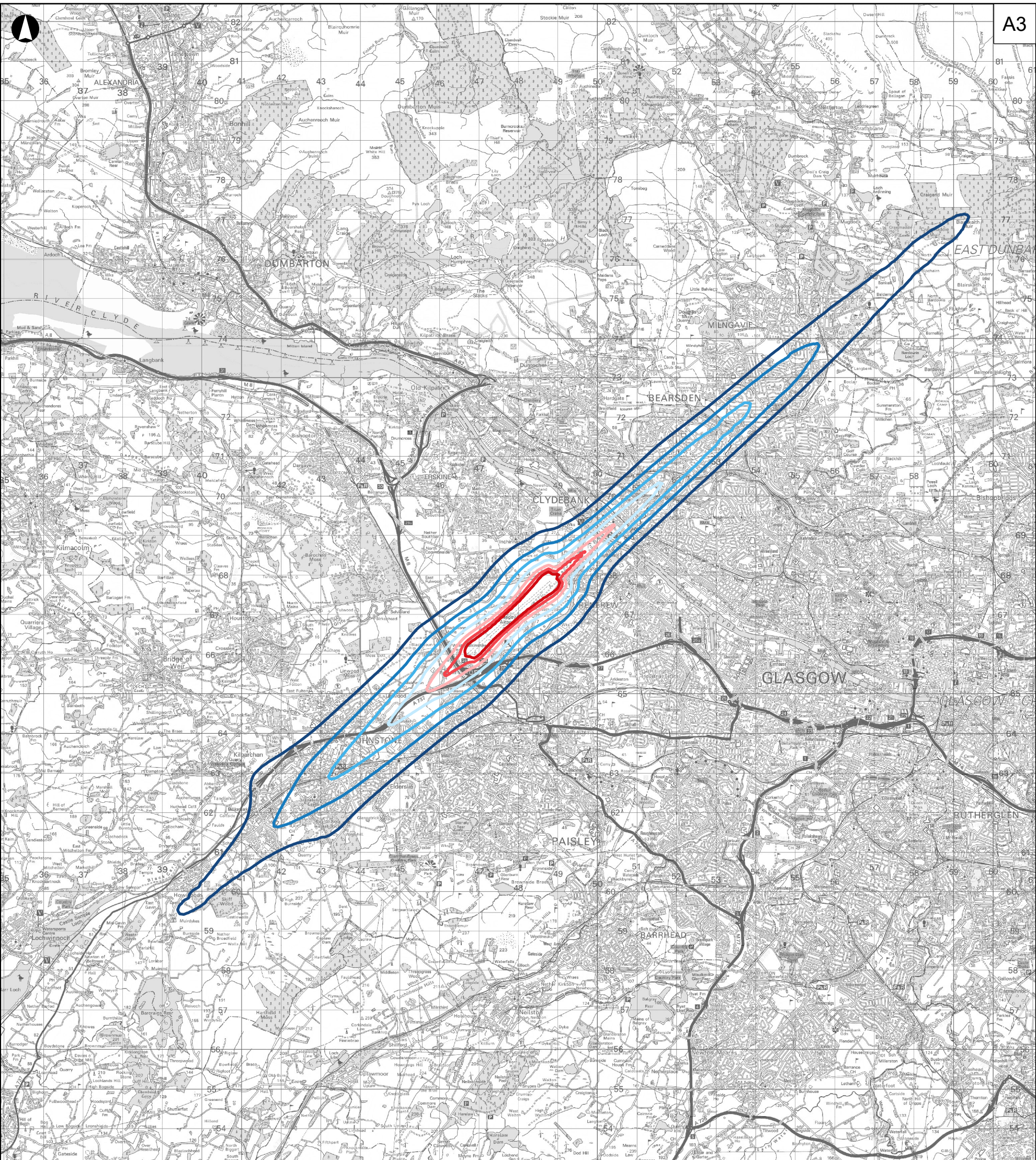
Drawing Title
**Figure TA9:
2027 Without Airspace Change
92-day summer daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



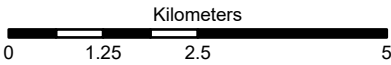
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

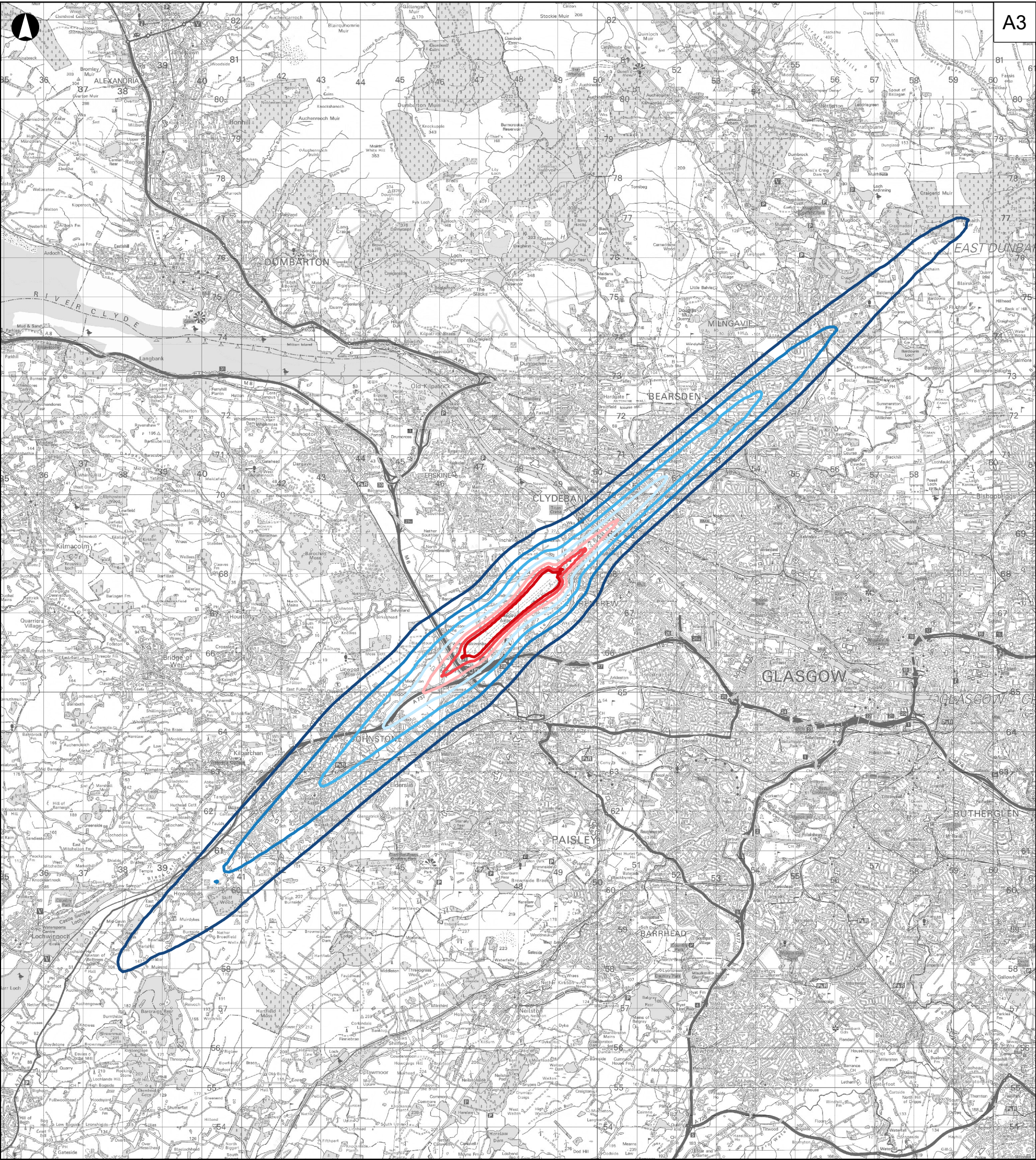
Drawing Title
**Figure TA41:
2027 With Airspace Change
Option 5
92-day summer daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



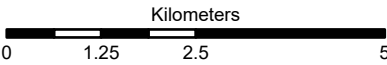
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

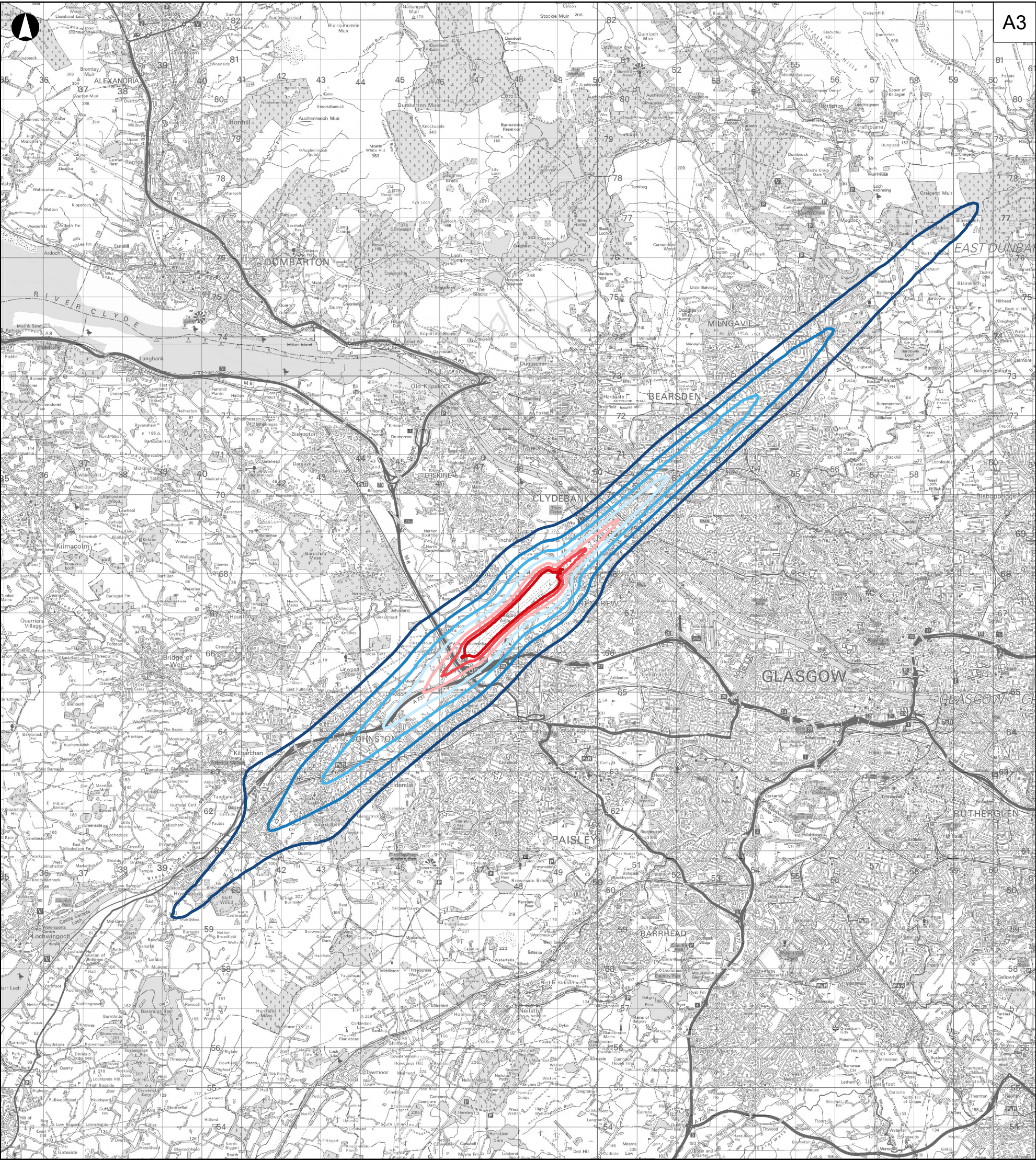
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA17:
2036 Without Airspace Change
92-day summer daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



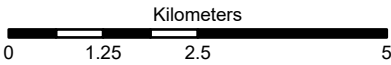
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

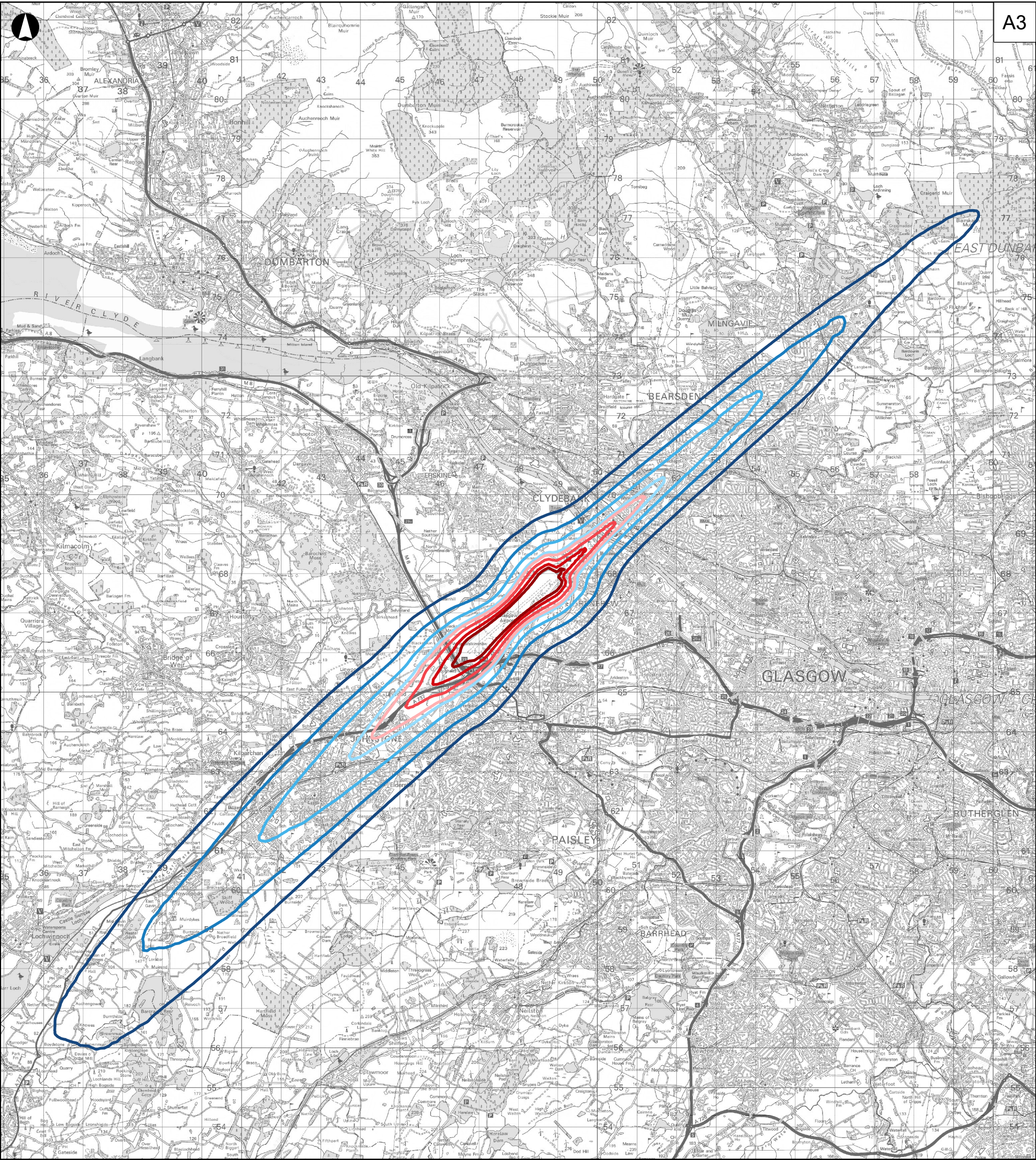
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA49:
2036 With Airspace Change
Option 5
92-day summer daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



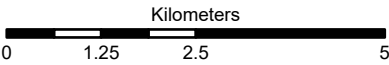
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

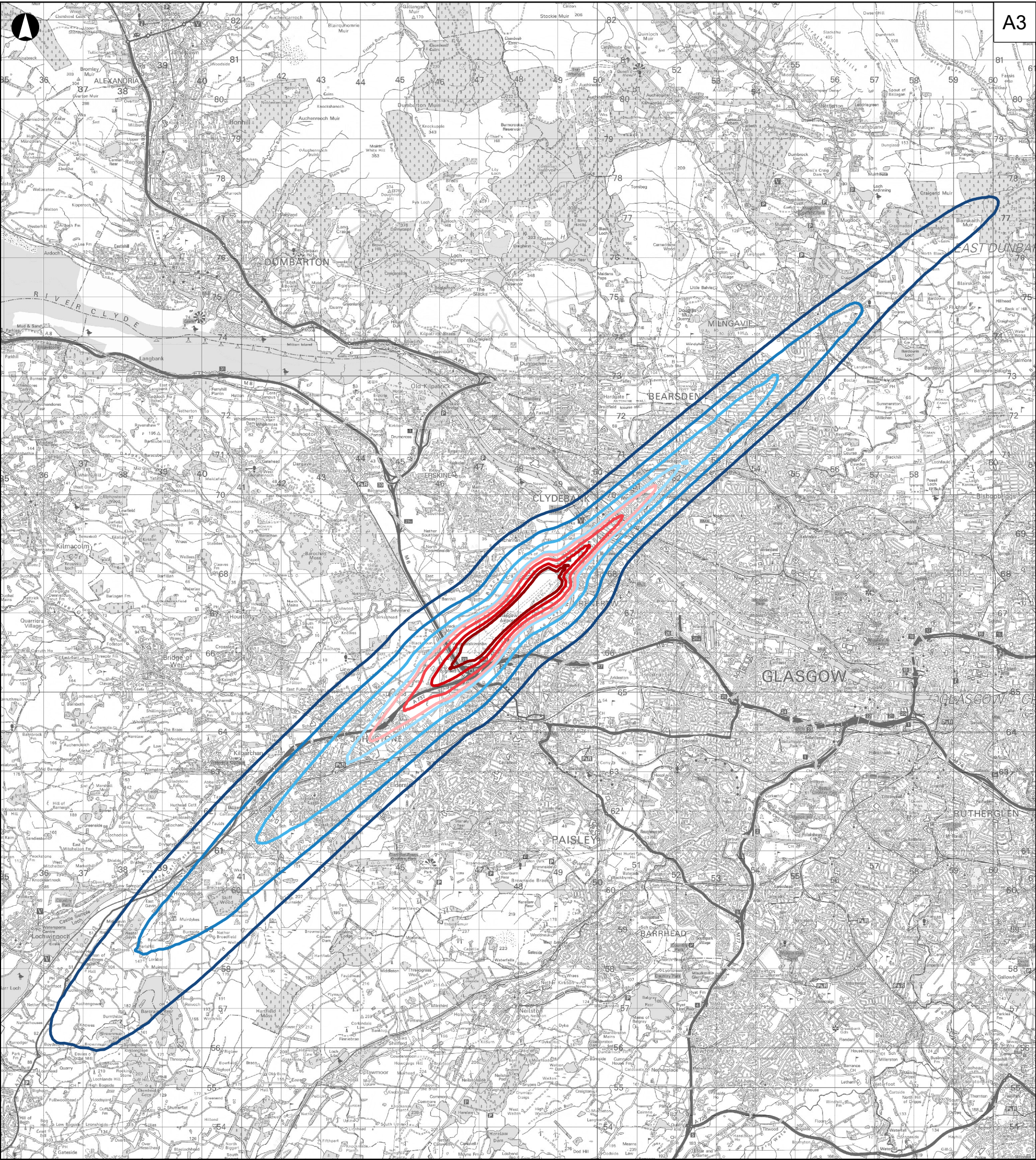
Drawing Title
**Figure TA2:
2022 Without Airspace Change
92-day summer night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



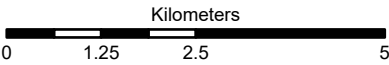
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

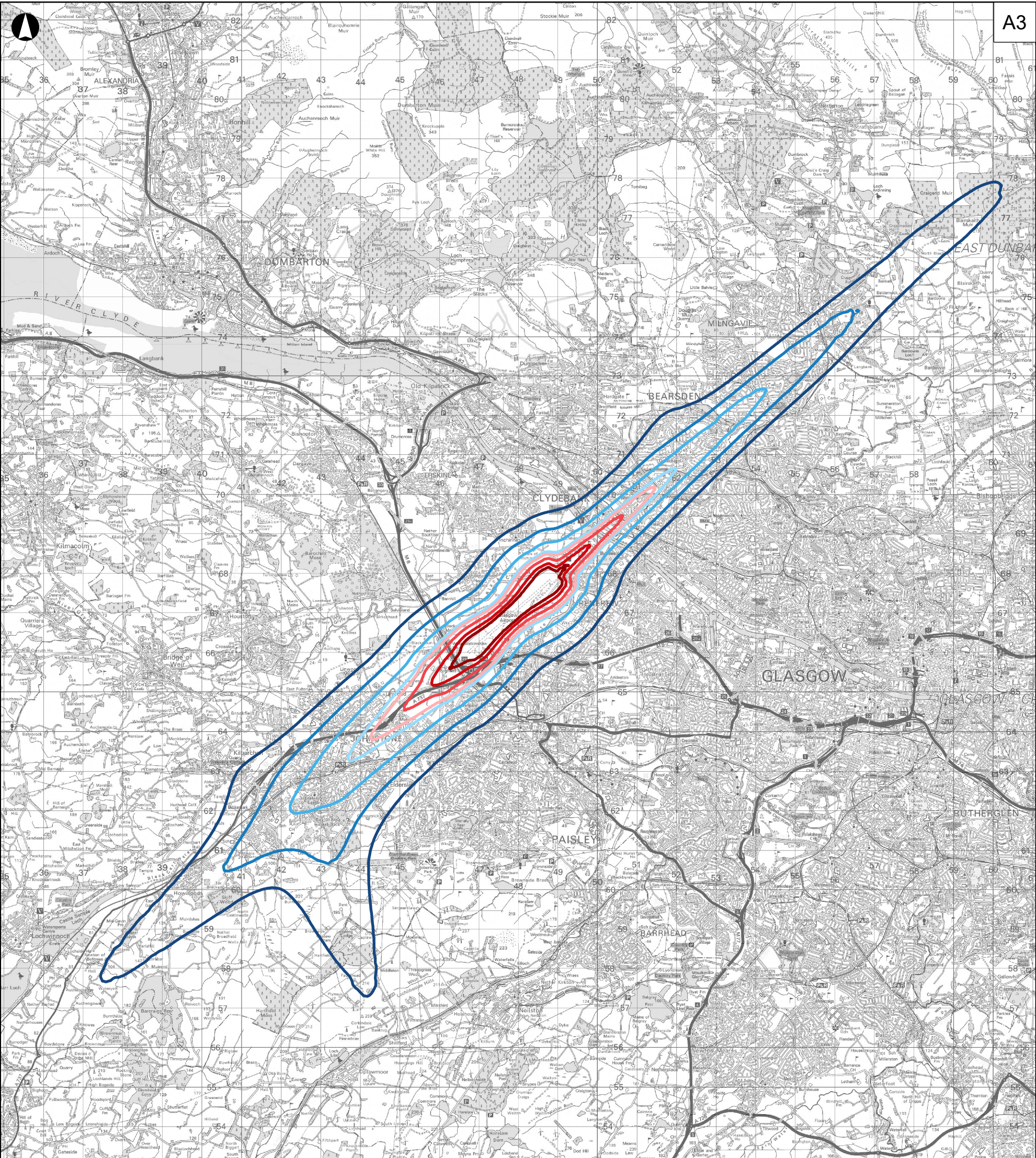
Drawing Title
**Figure TA10:
2027 Without Airspace Change
92-day summer night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



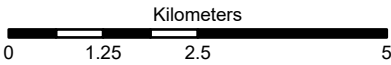
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

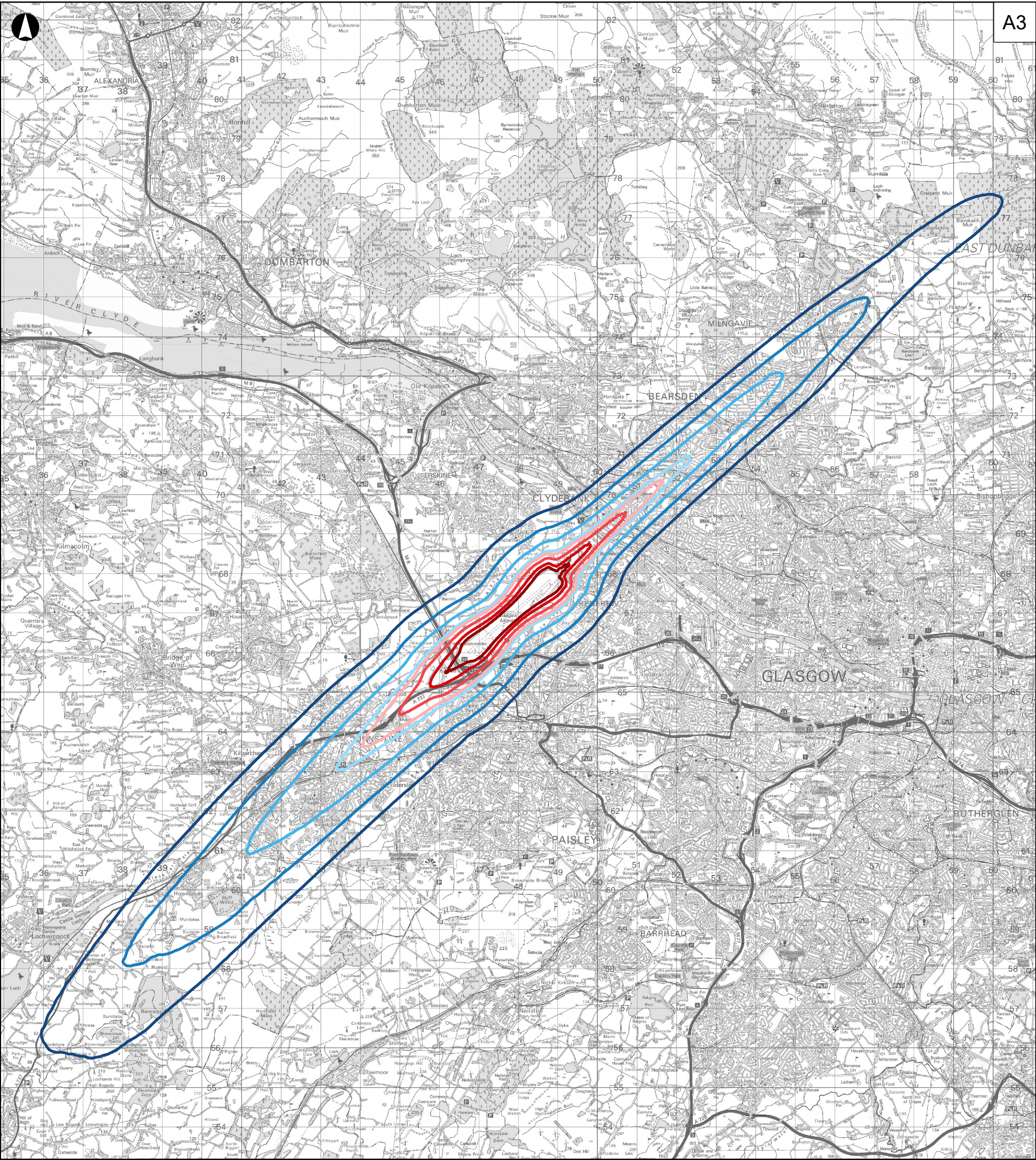
Drawing Title
**Figure TA42:
2027 With Airspace Change
Option 5
92-day summer night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



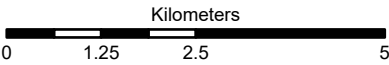
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

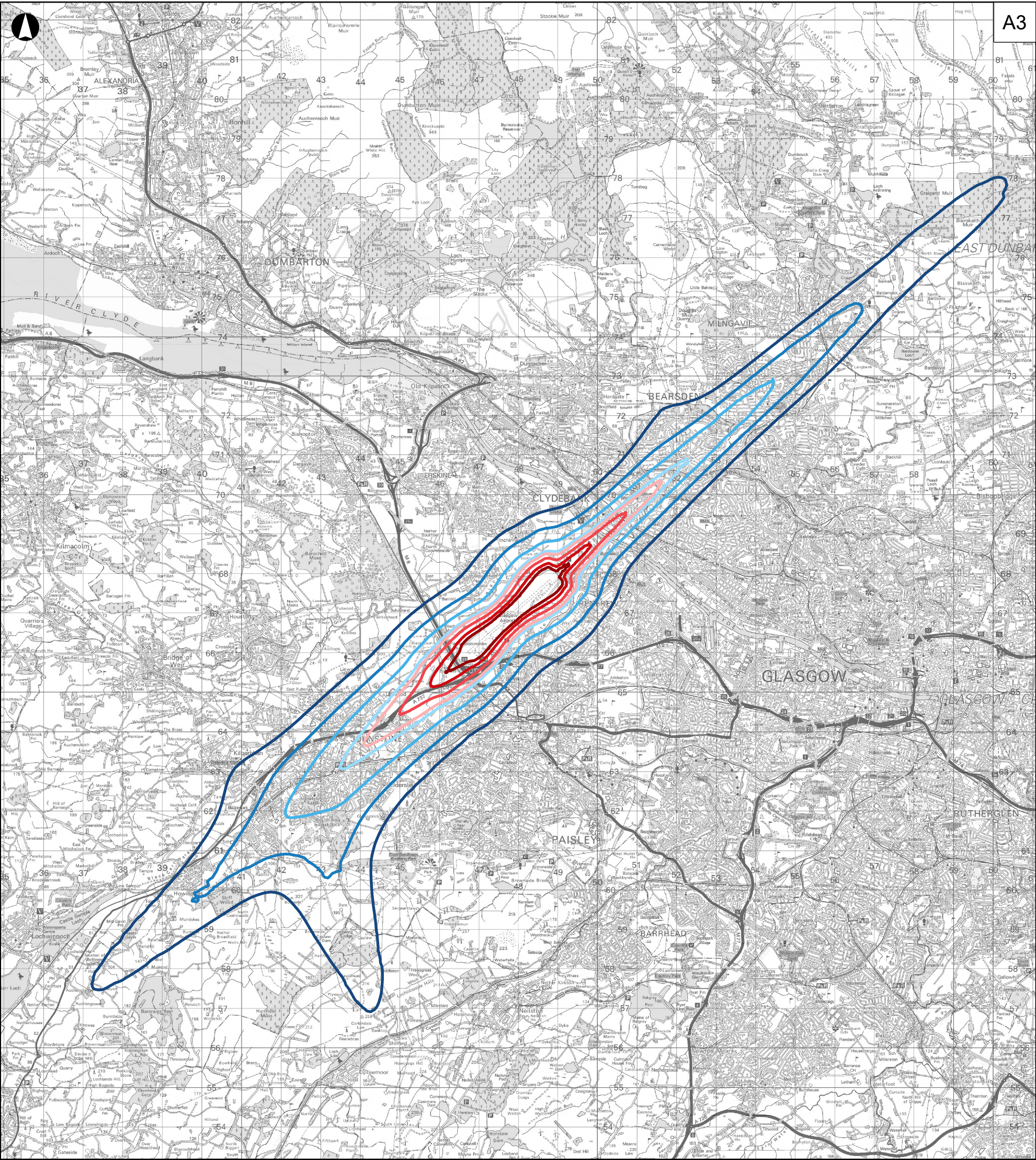
Drawing Title
**Figure TA18:
2036 Without Airspace Change
92-day summer night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



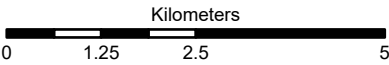
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

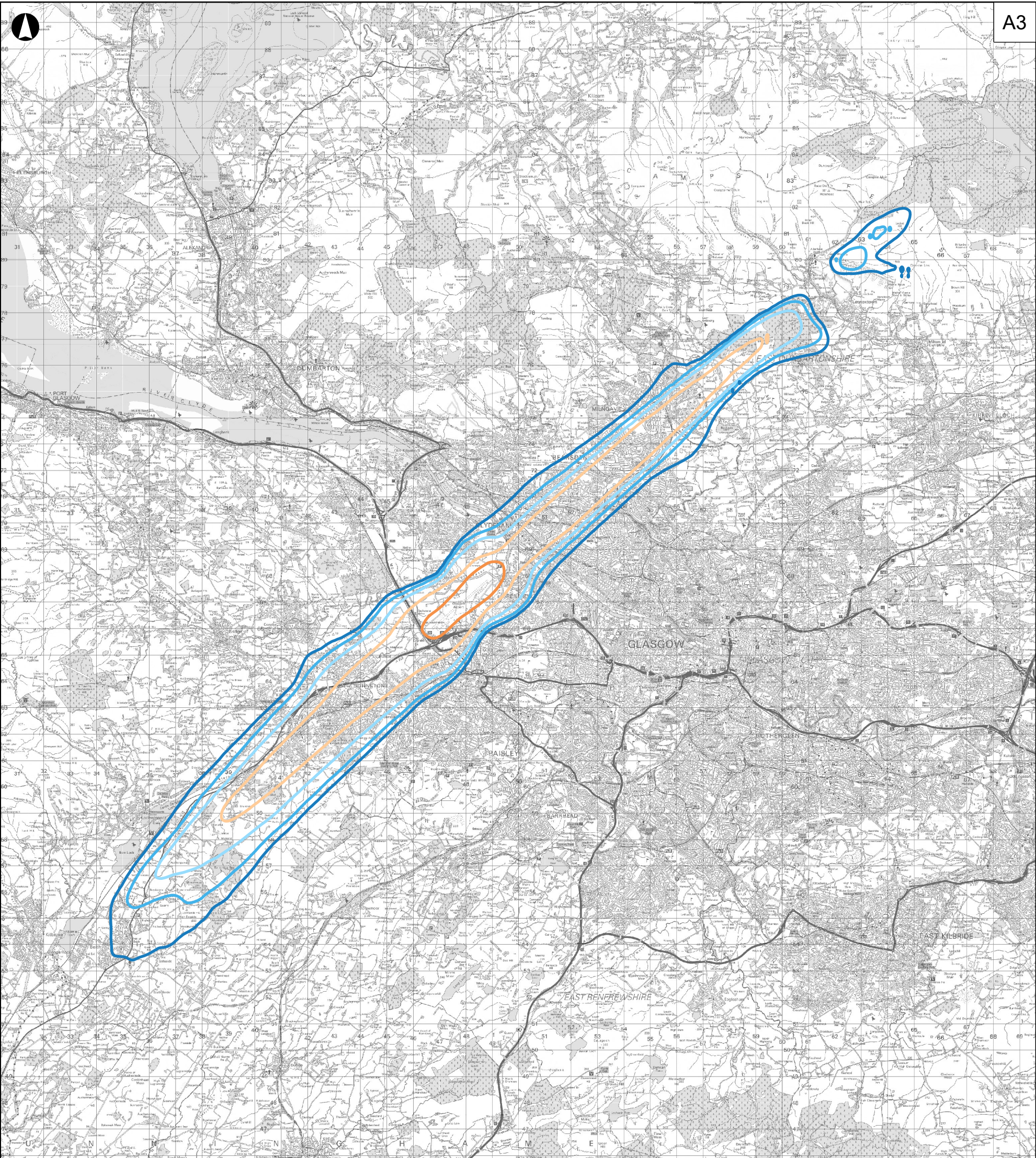
Drawing Title
**Figure TA50:
2036 With Airspace Change
Option 5
92-day summer night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



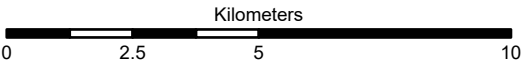
A3

Legend

- 5
- 10
- 20
- 50
- 100

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

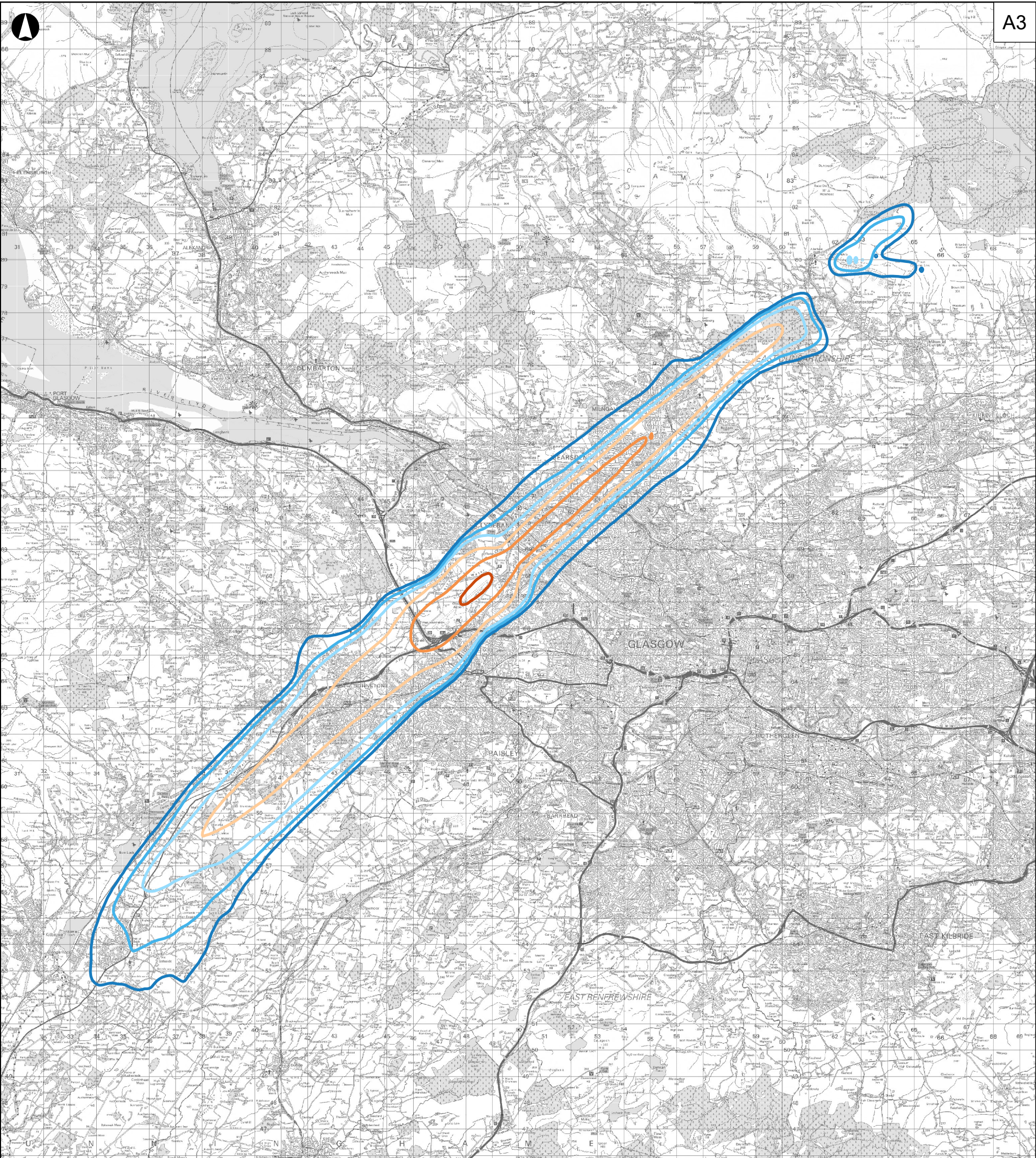
Drawing Title
**Figure TA3:
2022 Without Airspace Change
92-day summer daytime N65**

Scale at A3
1:150,000

Suitability
Issue

Project Number
268771-00

Rev
P01



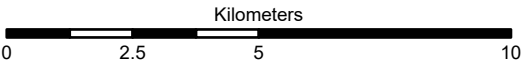
A3

Legend

- 5
- 10
- 20
- 50
- 100
- 200

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

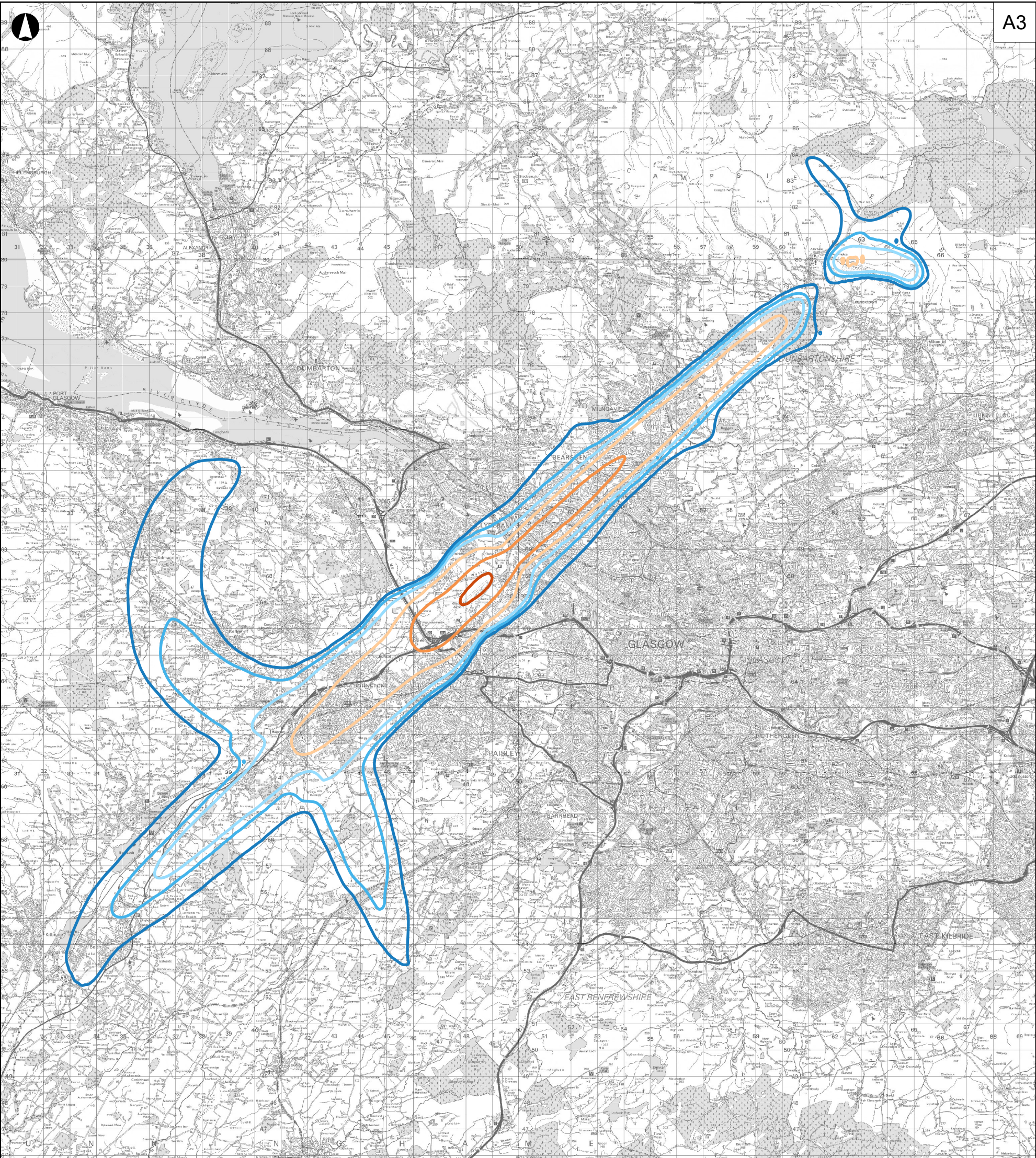
Drawing Title
**Figure TA11:
2027 Without Airspace Change
92-day summer daytime N65**

Scale at A3
1:150,000

Suitability
Issue

Project Number
268771-00

Rev
P01



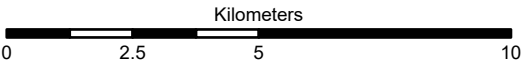
A3

Legend

- 5
- 10
- 20
- 50
- 100
- 200

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

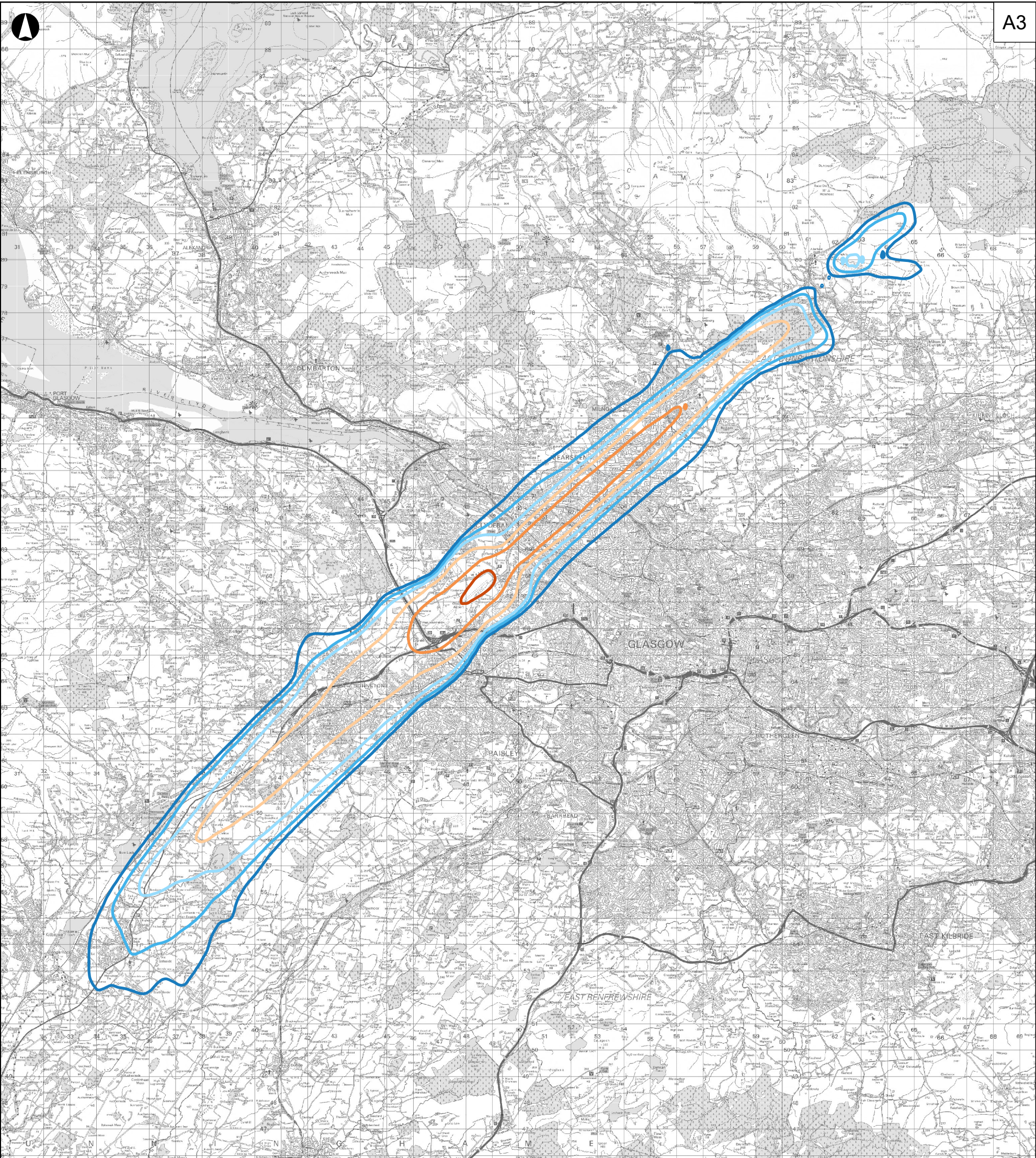
Drawing Title
**Figure TA43:
2027 With Airspace Change
Option 5
92-day summer daytime N65**

Scale at A3
1:150,000

Suitability
Issue

Project Number
268771-00

Rev
P01



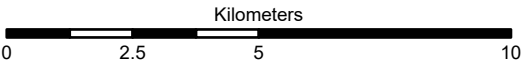
A3

Legend

- 5
- 10
- 20
- 50
- 100
- 200

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

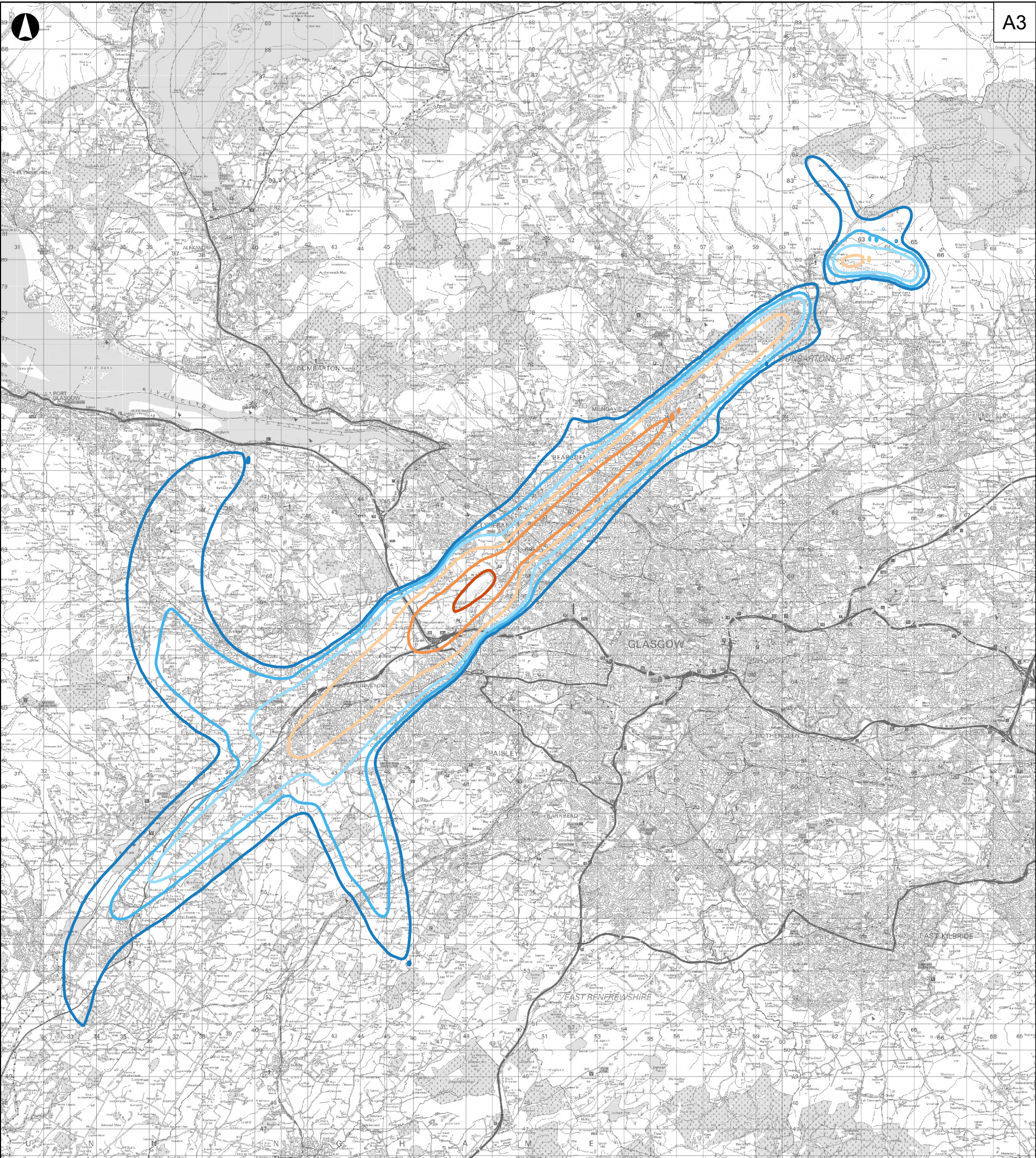
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA19:
2036 Without Airspace Change
92-day summer daytime N65**

Scale at A3
1:150,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



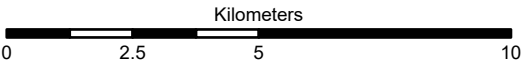
A3

Legend

- 5
- 10
- 20
- 50
- 100
- 200

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

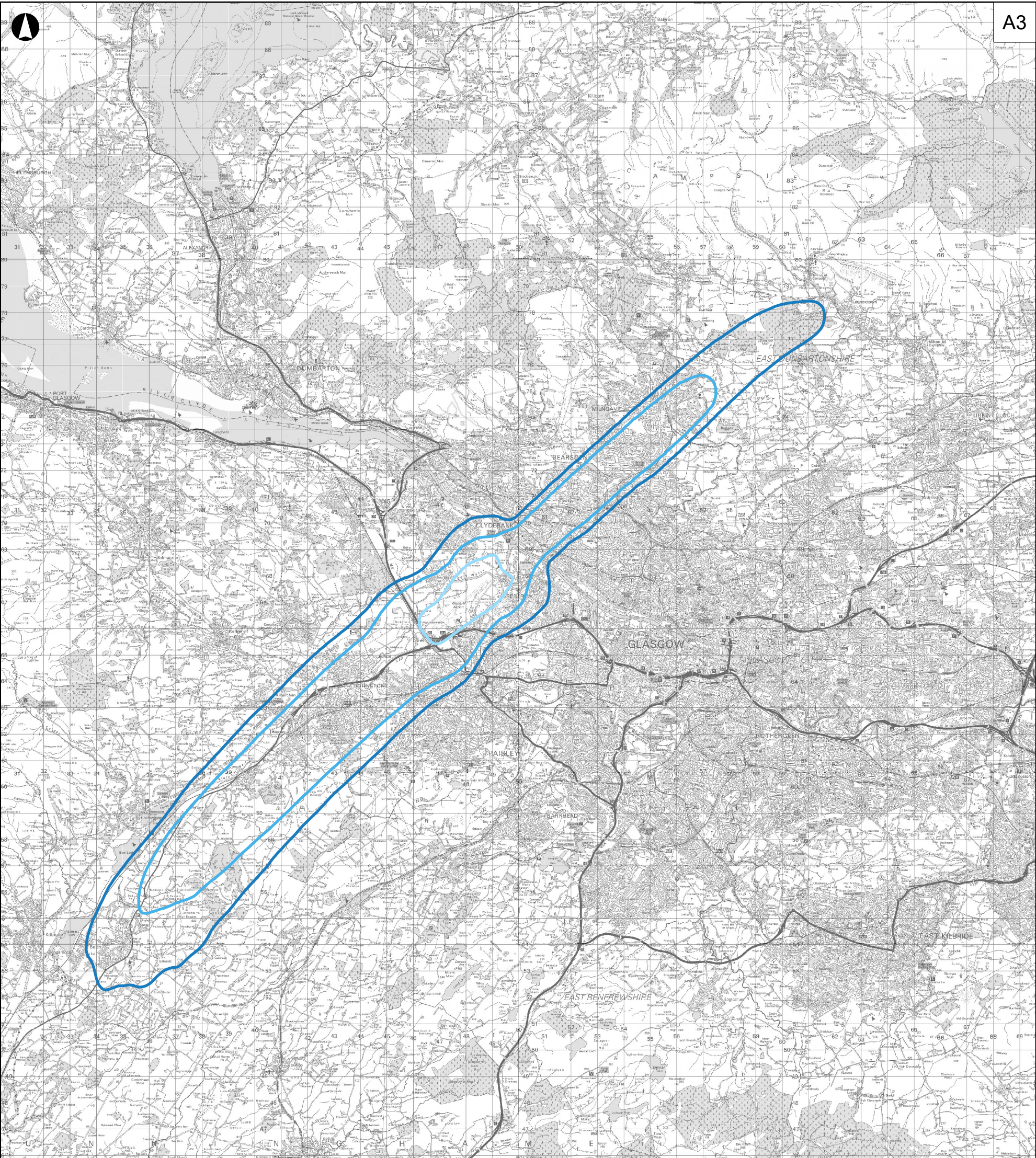
Drawing Title
**Figure TA51:
2036 With Airspace Change
Option 5
92-day summer daytime N65**

Scale at A3
1:150,000

Suitability
Issue

Project Number
268771-00

Rev
P01



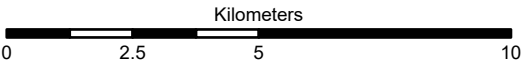
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

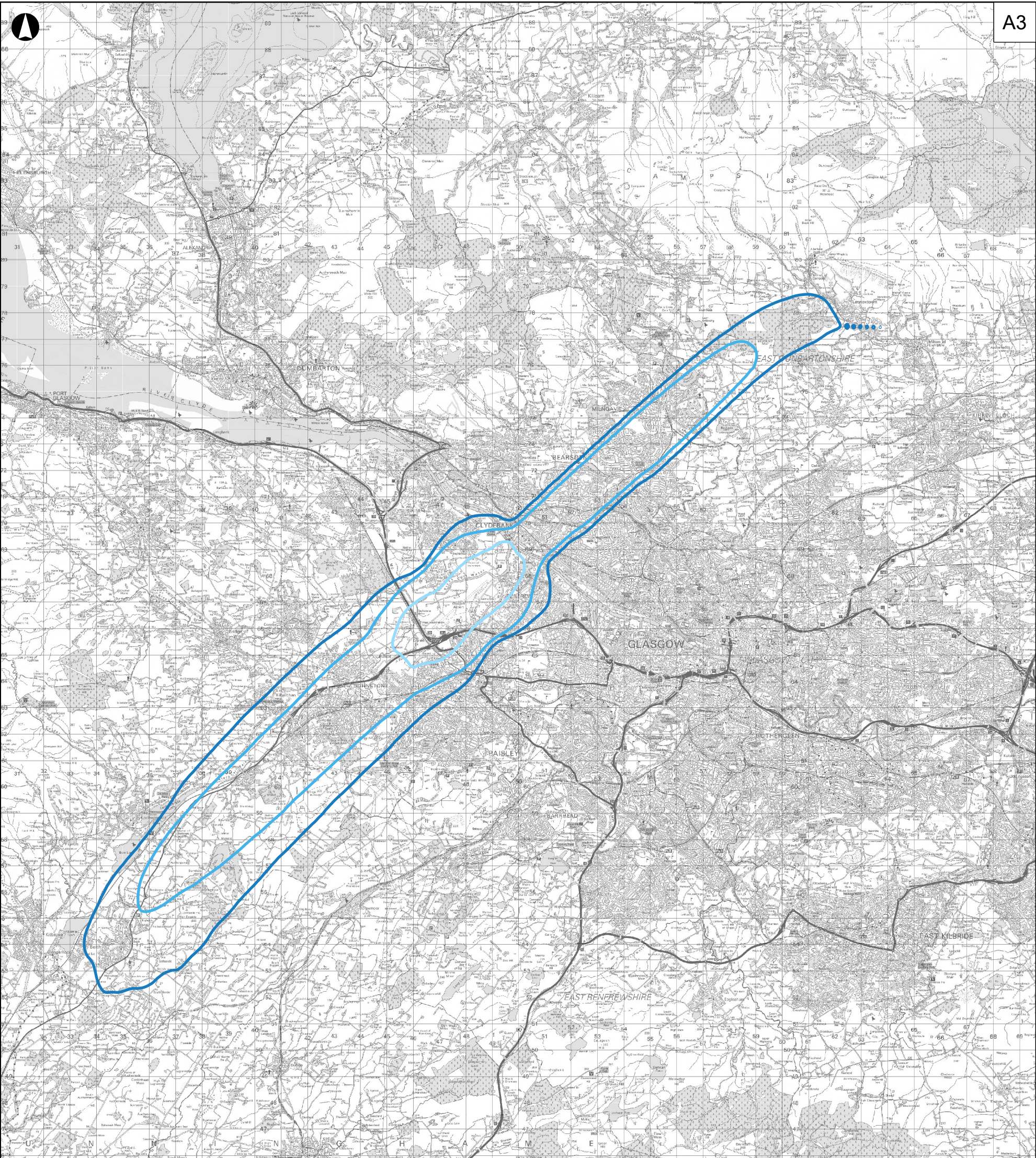
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA4:
2022 Without Airspace Change
92-day summer night-time N60**

Scale at A3
1:150,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



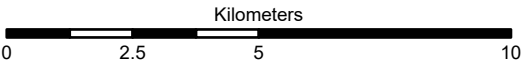
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

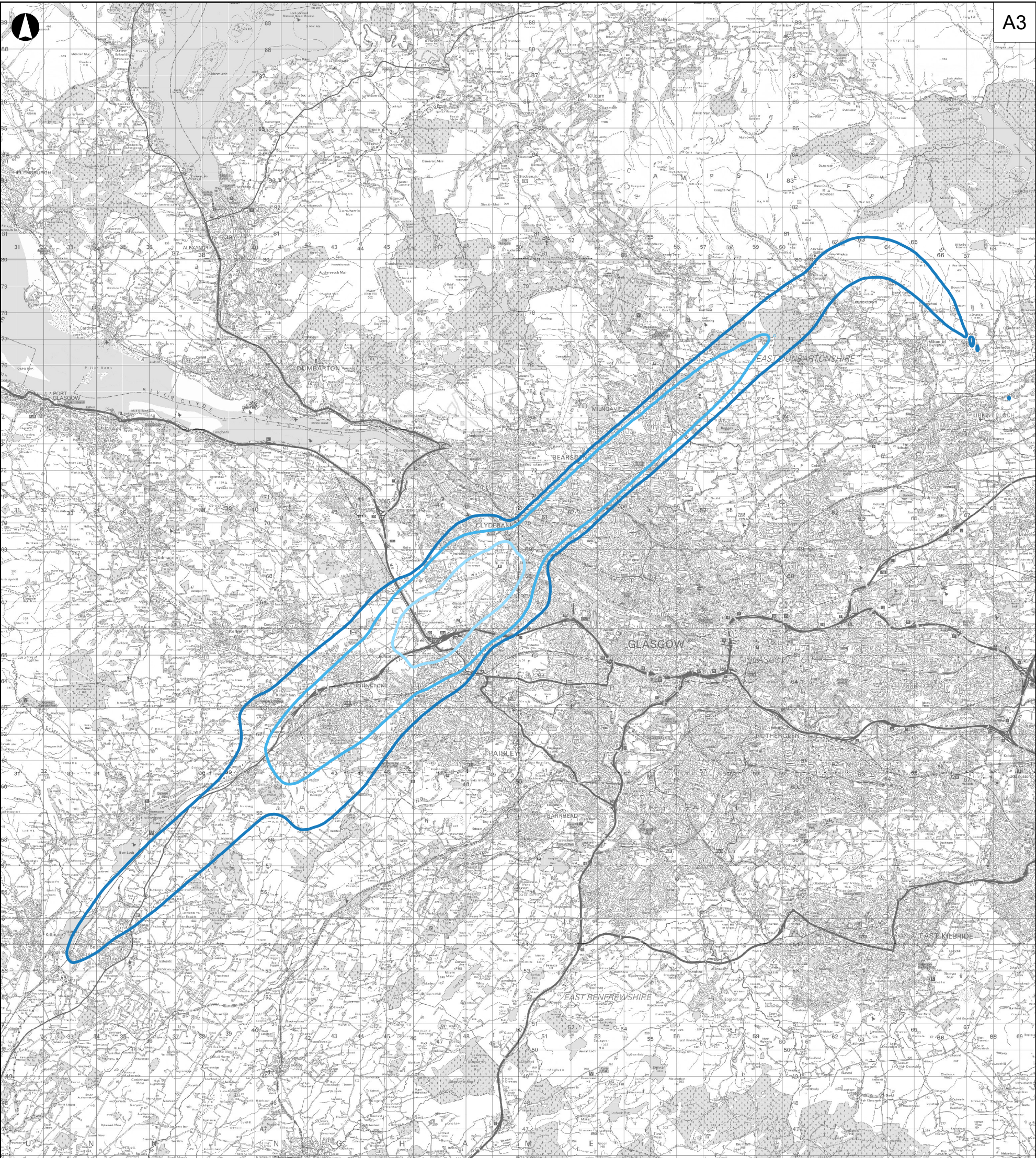
Drawing Title
**Figure TA12:
2027 Without Airspace Change
92-day summer night-time N60**

Scale at A3
1:150,000

Suitability
Issue

Project Number
268771-00

Rev
P01



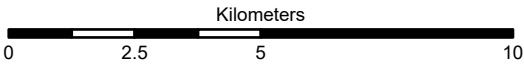
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

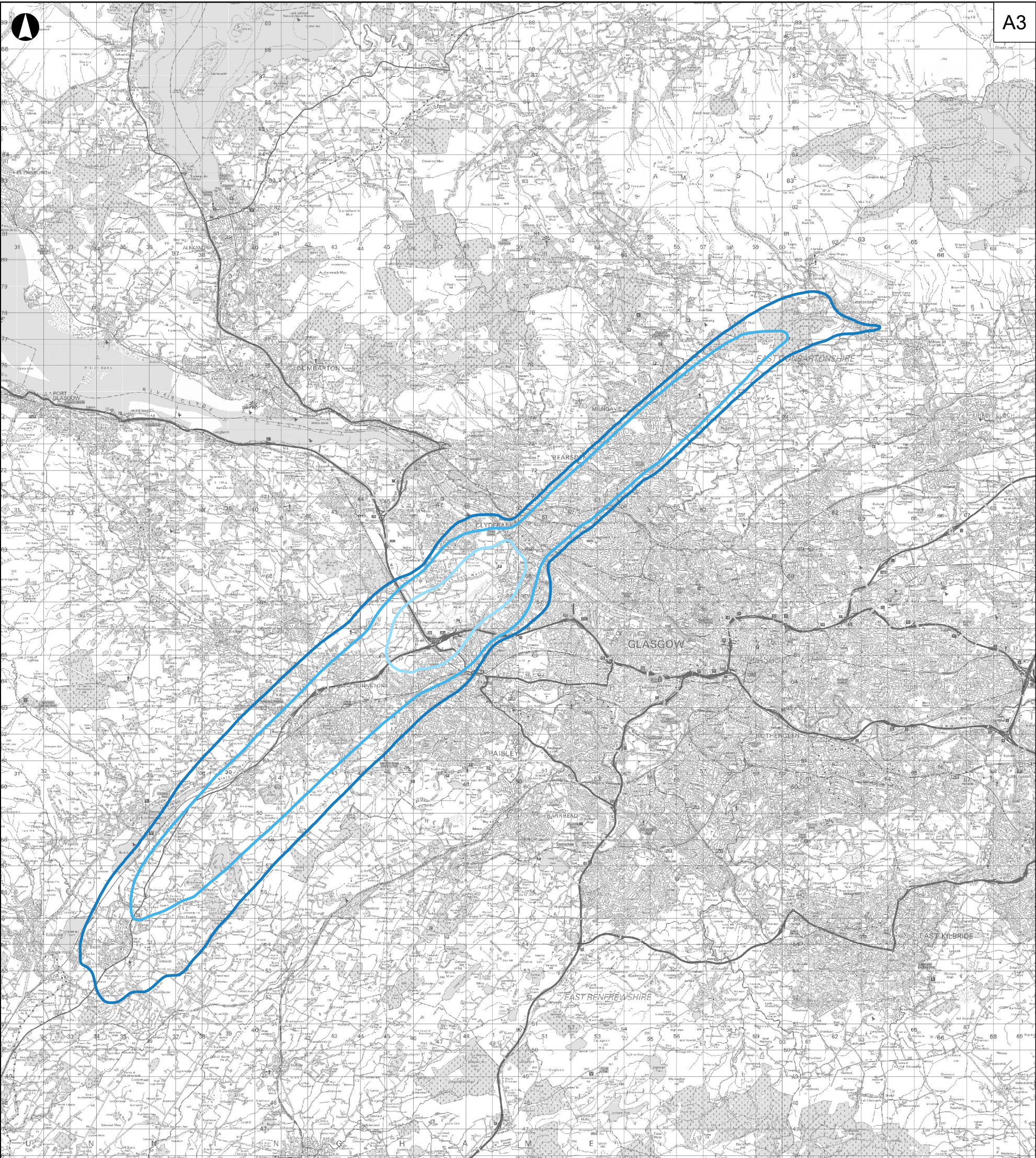
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA44:
2027 With Airspace Change
Option 5
92-day summer night-time N60**

Scale at A3
1:150,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



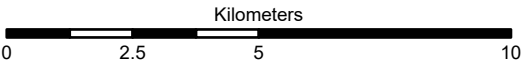
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

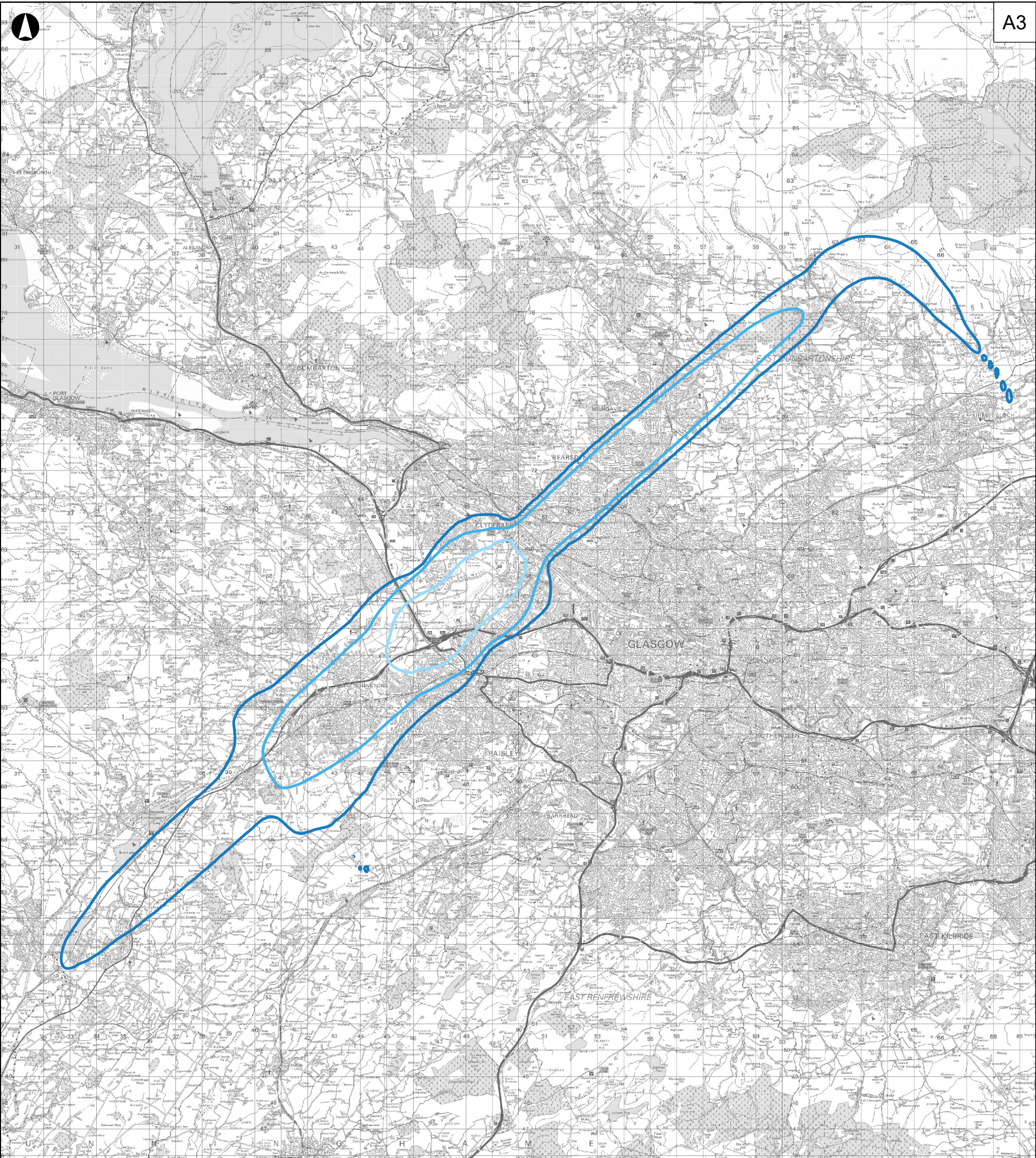
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA20:
2036 Without Airspace Change
92-day summer night-time N60**

Scale at A3
1:150,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



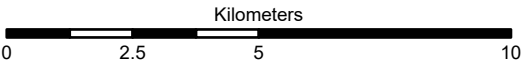
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA52:
2036 With Airspace Change
Option 5
92-day summer night-time N60**

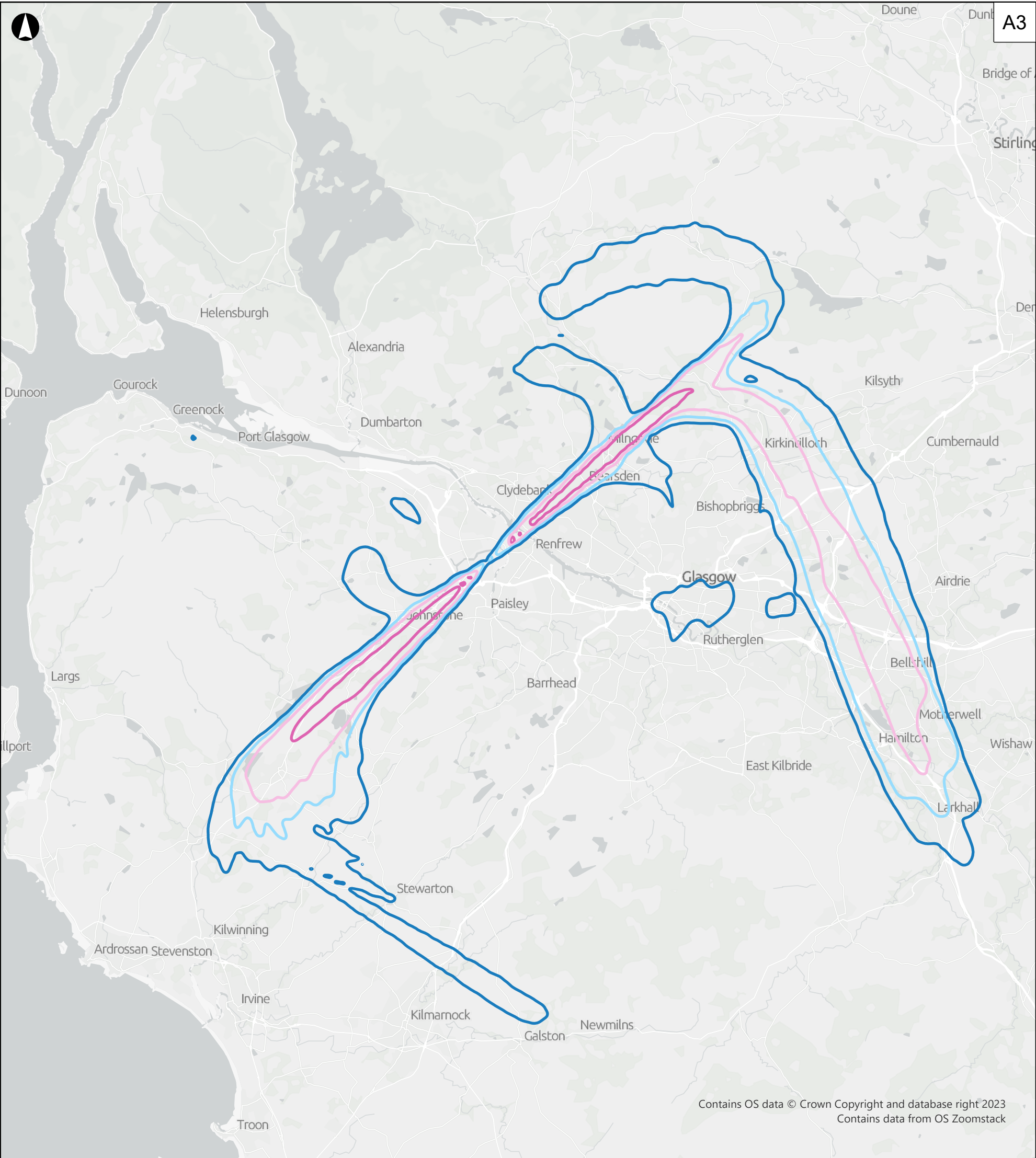
Scale at A3
1:150,000

Suitability

Issue

Project Number
268771-00

Rev
P01



A3

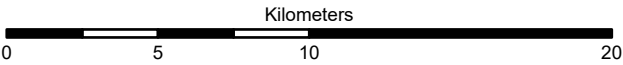
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA5:
2022 Without Airspace Change
92-day summer daytime
Overflights**

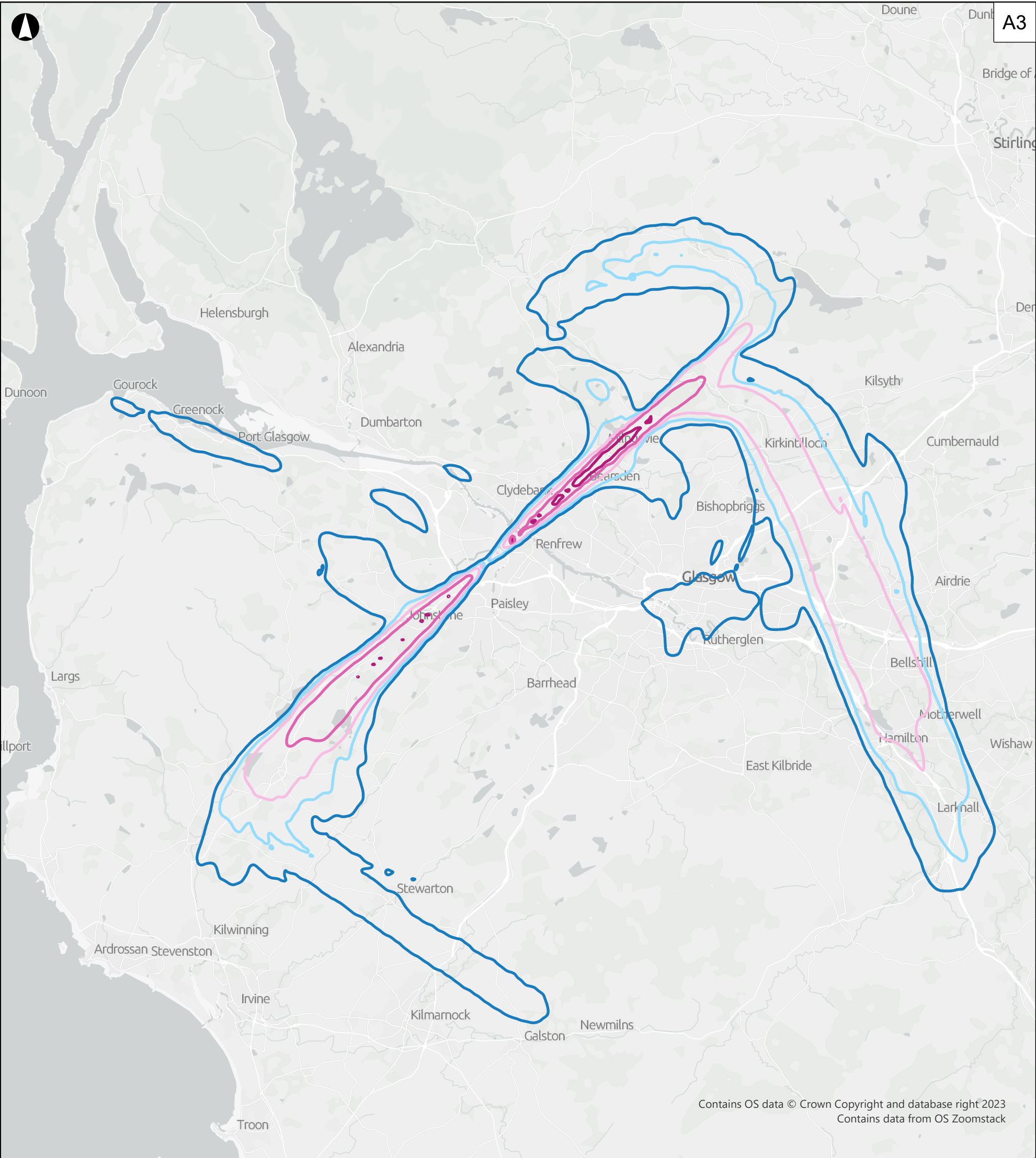
Scale at A3
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



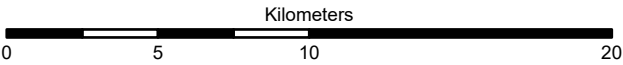
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50
- 100

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA13:
2027 Without Airspace Change
92-day summer daytime
Overflights**

Scale at A3
1:250,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------

A horizontal scale bar labeled "Kilometers" at the top center. The bar has a black background with white markings. The markings are at 0, 5, 10, and 20. There are also smaller white markings at 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client

Glasgow Airport Ltd

Project Name

Glasgow Airport FASI-N Airspace Change Proposal

Drawing Title

**Figure TA45:
2027 With Airspace Change
Option 5 92-day summer
daytime Overflights**

Scale at A3

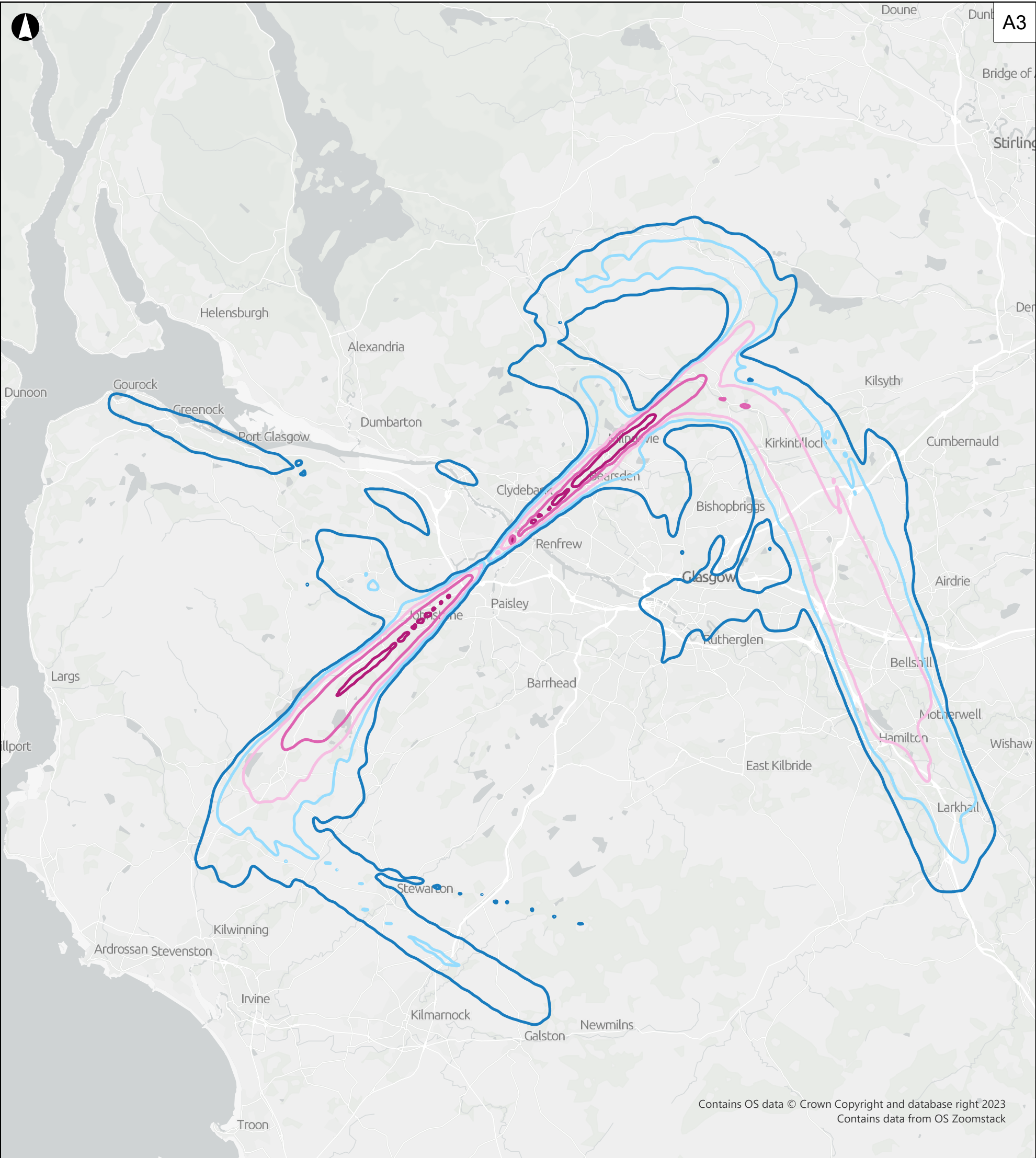
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



A3

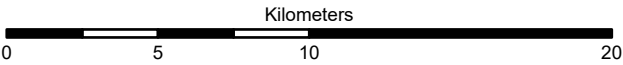
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50
- 100

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

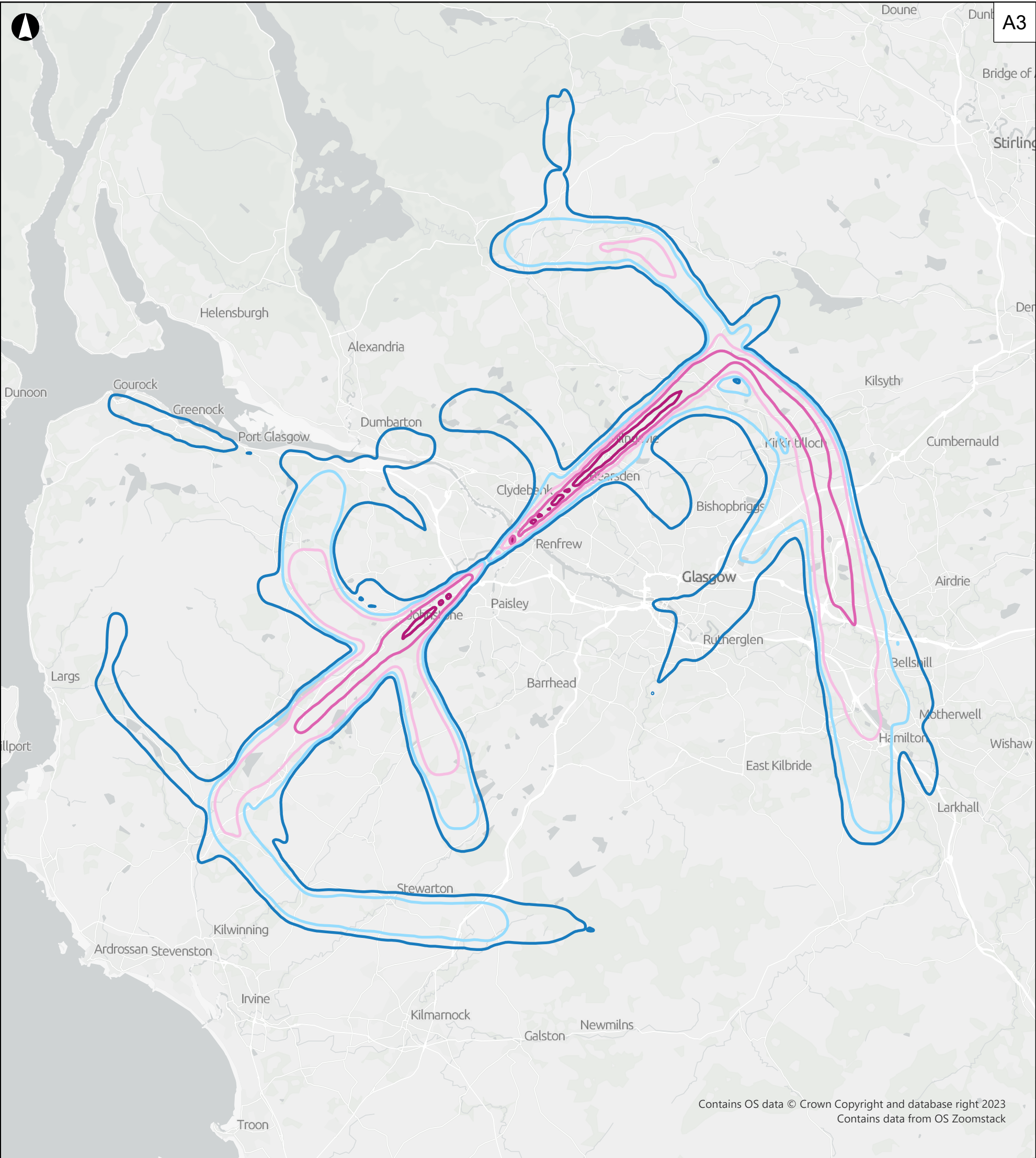
Drawing Title
**Figure TA21:
2036 Without Airspace Change
92-day summer daytime
Overflights**

Scale at A3
1:250,000

Suitability
Issue

Project Number
268771-00

Rev
P01



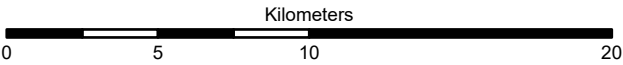
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50
- 100

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA53:
2036 With Airspace Change
Option 5 92-day summer
daytime Overflights**

Scale at A3

1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



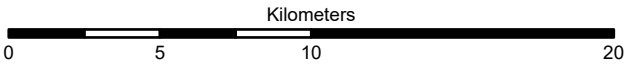
A3

Legend

- 5
- 10

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA46:
2027 With Airspace Change
Option 5 92-day summer
night-time Overflights**

Scale at A3

1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



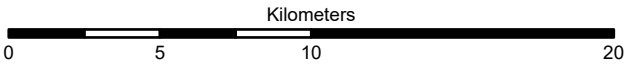
A3

Legend

- 5
- 10

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

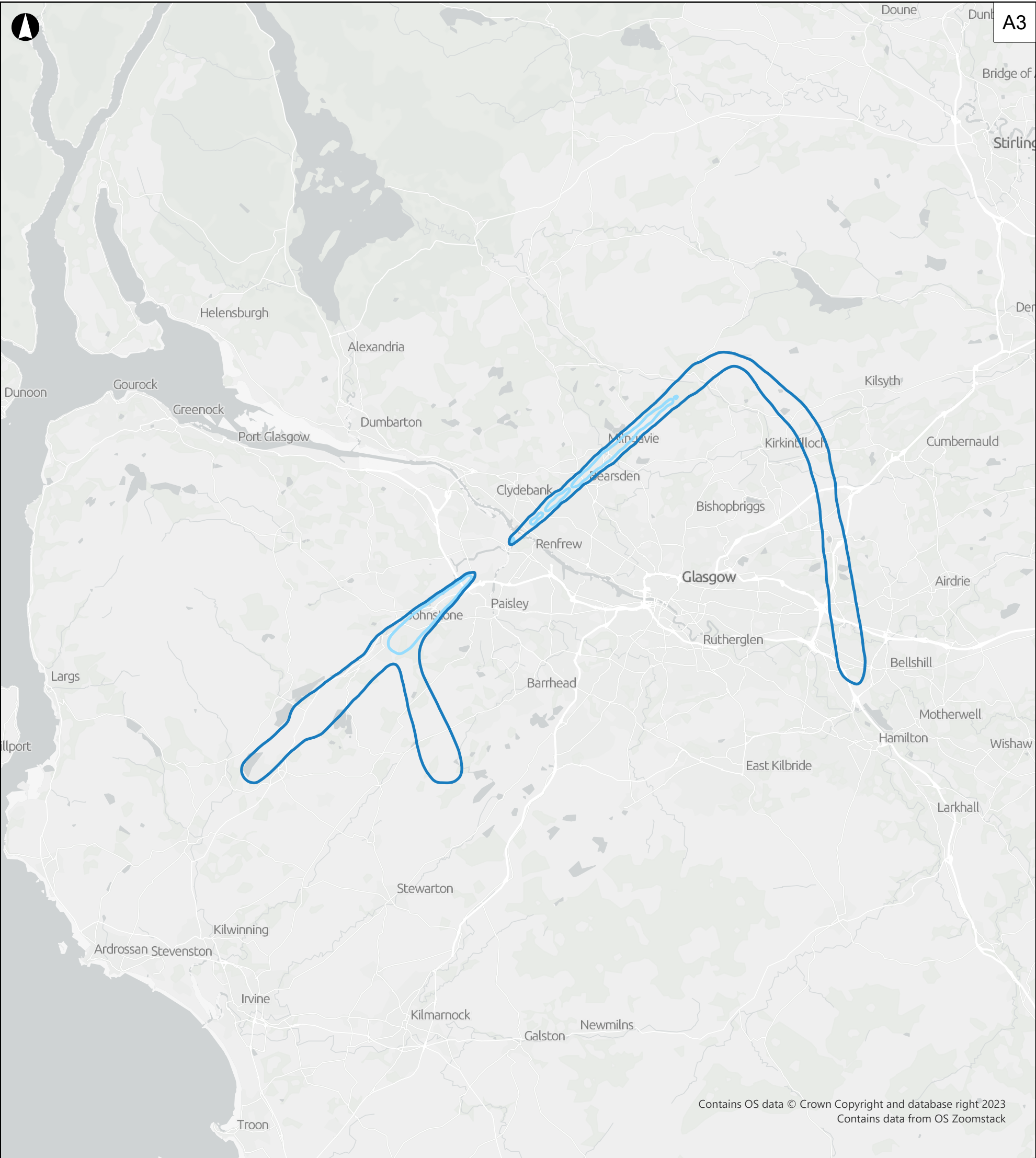
Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA22:
2036 Without Airspace Change
92-day summer night-time
Overflights**

Scale at A3
1:250,000

Suitability Issue	
Project Number 268771-00	Rev P01



A3

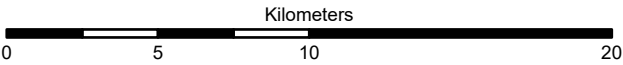
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA54:
2036 With Airspace Change
Option 5 92-day summer
night-time Overflights**

Scale at A3

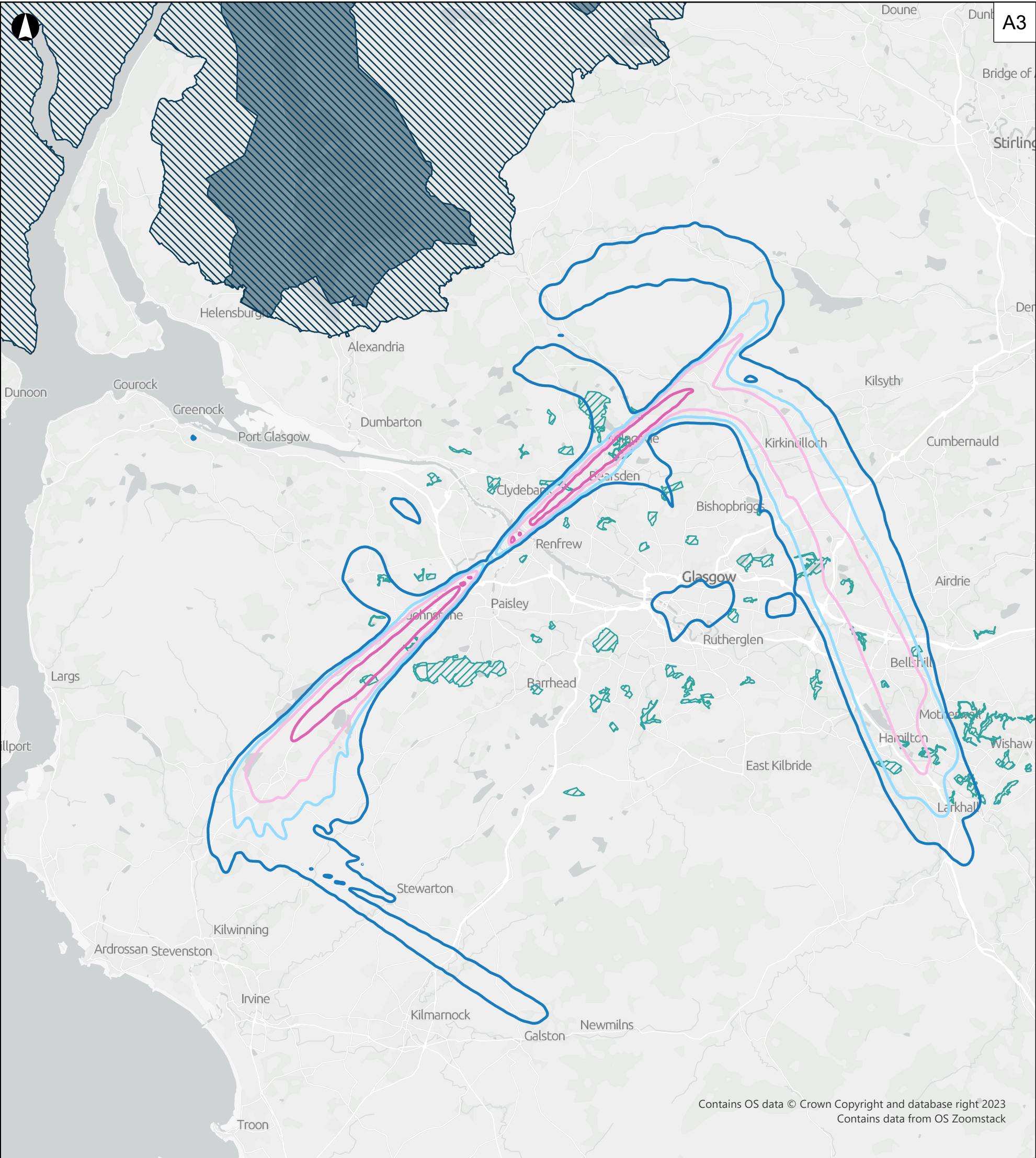
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

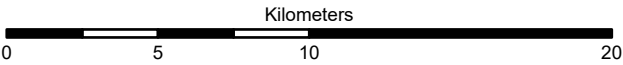
Legend

- 5
- 10
- 20
- 50

- Candidate Quiet Areas
- Loch Lomond National Park
- Loch Lomond National Scenic Area

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

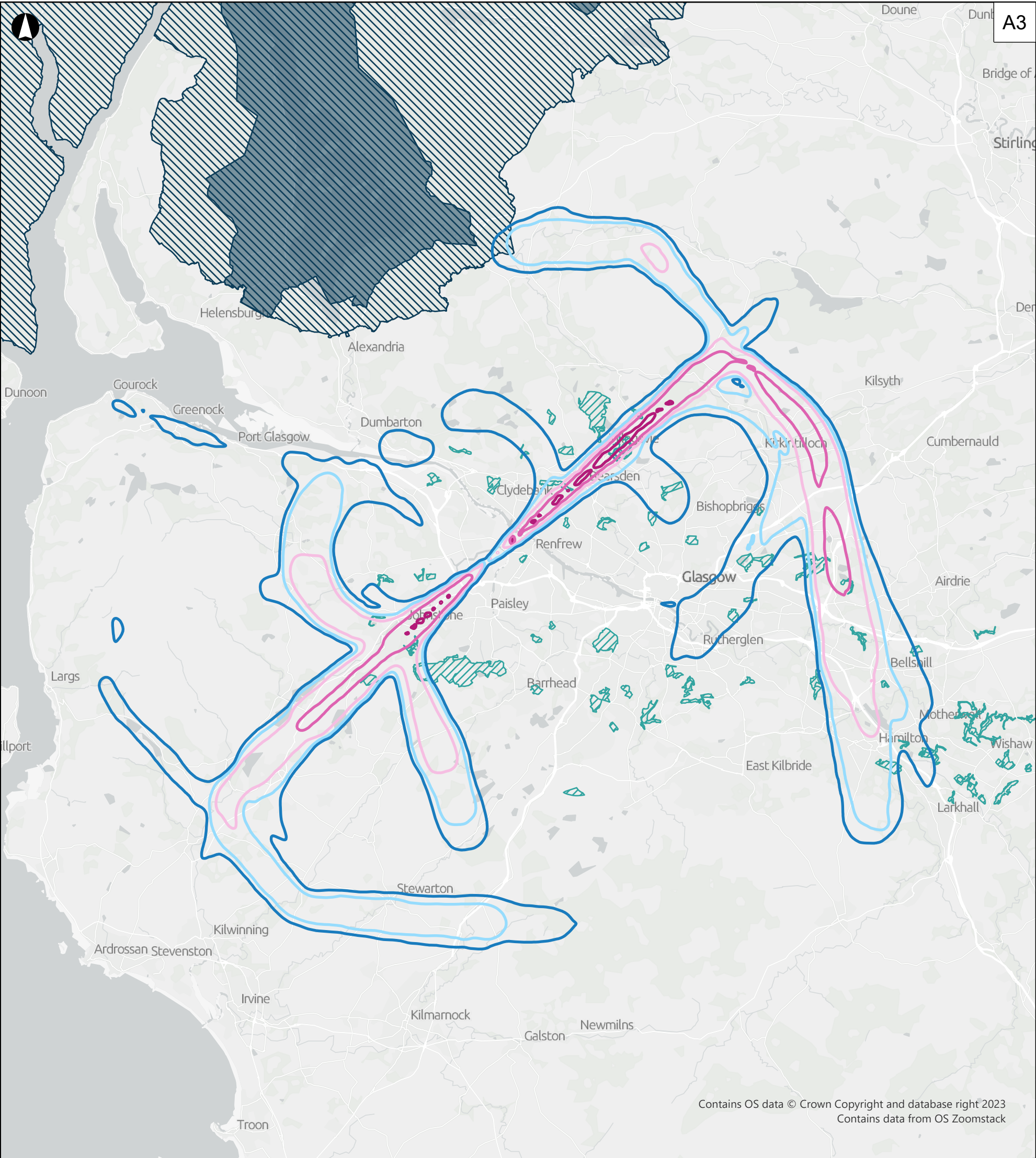
Drawing Title
**Figure TA7:
2022 Without Airspace Change
92-day summer daytime
Overflights with tranquillity areas**

Scale at A3
1:250,000

Suitability
Issue

Project Number
268771-00

Rev
P01



Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

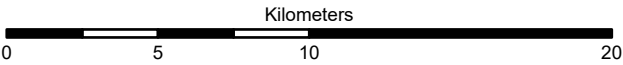
Legend

- 5
- 10
- 20
- 50
- 100

- Candidate Quiet Areas
- Loch Lomond
- Trossachs National Park
- Loch Lomond National Scenic Area

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA47:
2027 With Airspace Change
Option 5 92-day summer
daytime Overflights with
tranquillity areas**

Scale at A3

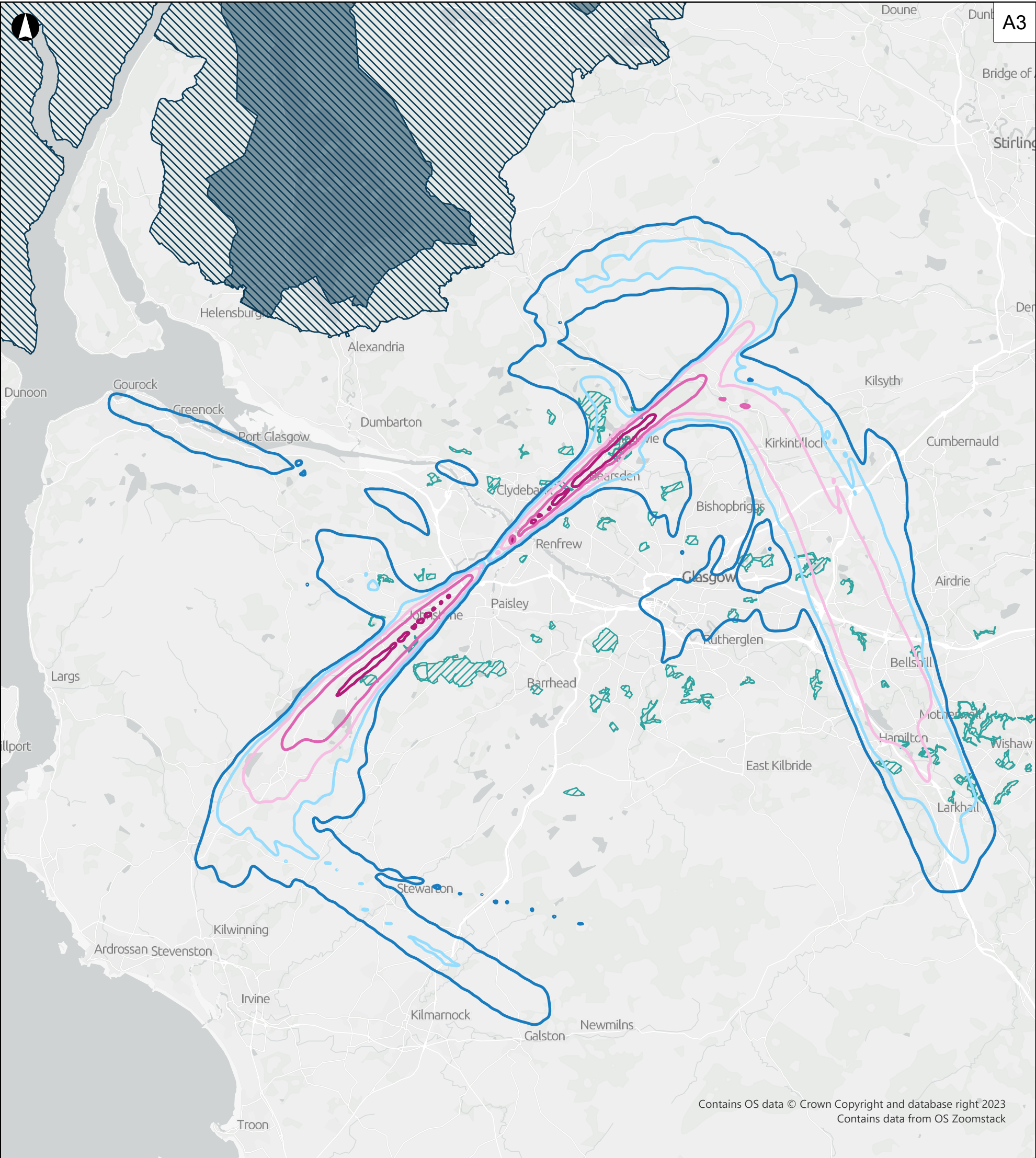
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



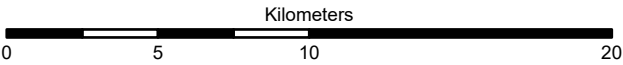
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50
- 100
- Candidate Quiet Areas
- Loch Lomond Trossachs National Park
- Loch Lomond National Scenic Area

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

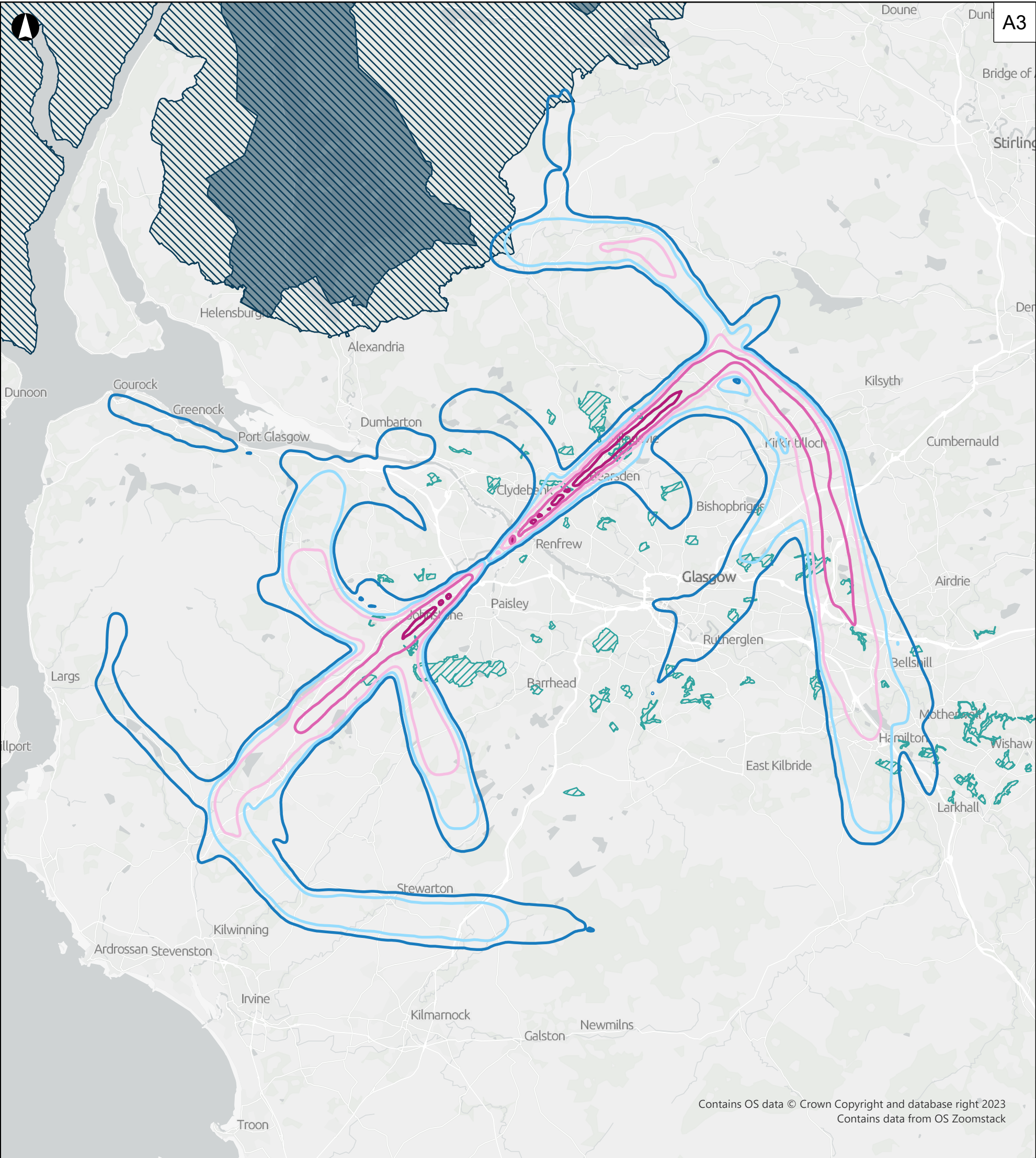
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA23:
2036 Without Airspace Change
92-day summer daytime
Overflights with tranquillity areas**

Scale at A3
1:250,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



Legend

5

10

20

50

100

Candidate Quiet Areas

Loch Lomond Trossachs National Park

Loch Lomond National Scenic Area

Coordinate System: British National Grid

© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH

Kilometers

051020

ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client

Glasgow Airport Ltd

Project Name

Glasgow Airport FASI-N Airspace Change Proposal

Drawing Title

Figure TA55:
2036 With Airspace Change
Option 5 92-day summer
daytime Overflights with
tranquillity areas

Scale at A3

1:250,000

Suitability

Issue

Project Number

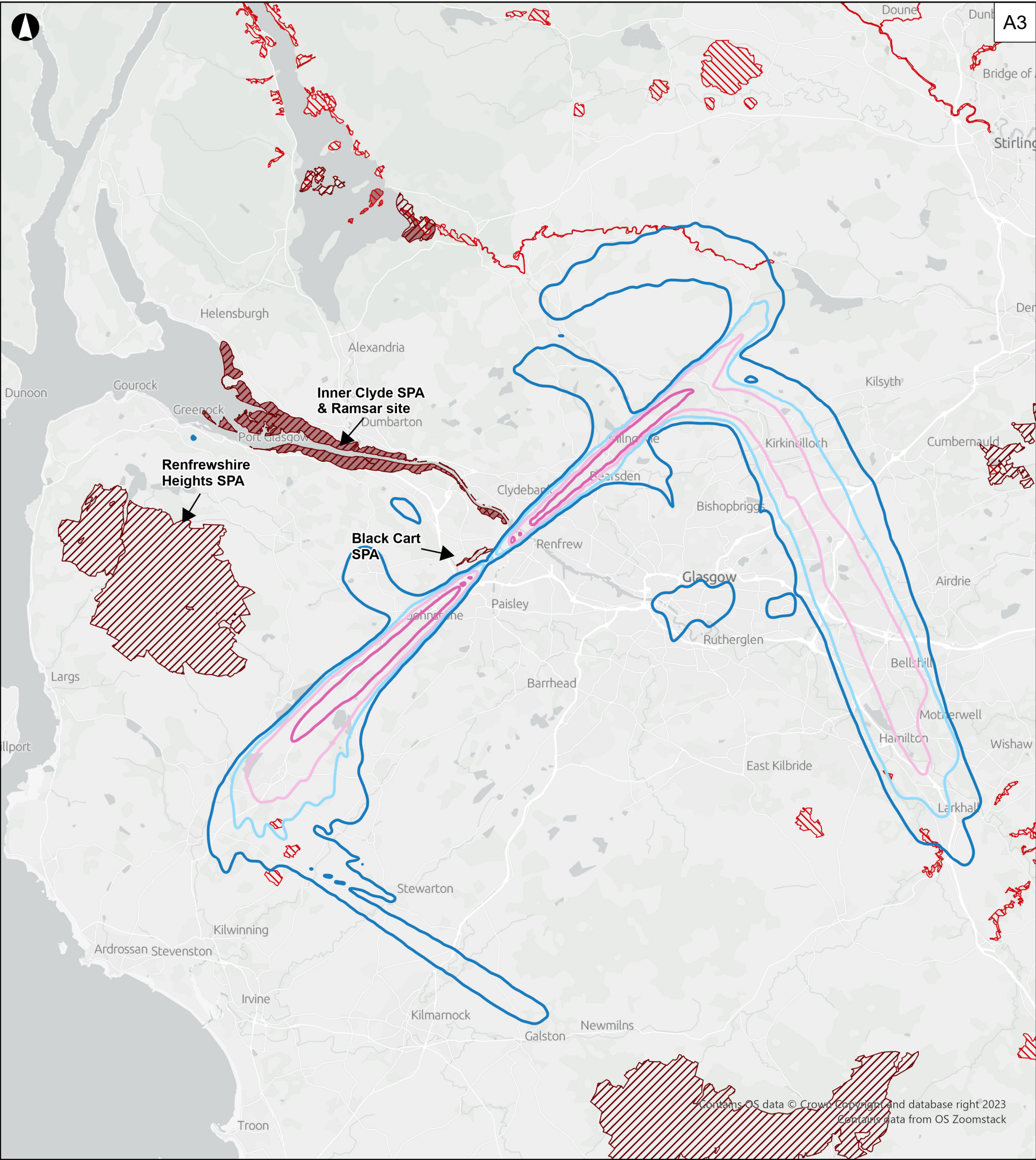
268771-00

Rev

P01

© Arup 2024

39



5

10

20

50

Special Protection Areas

Special Areas of Conservation

Ramsar sites

Coordinate System: British National Grid

© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH

Kilometers

051020

ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client

Glasgow Airport Ltd

Project Name

Glasgow Airport
FASI-N Airspace Change
Proposal

Drawing Title

Figure TA8:
2022 Without Airspace Change
92-day summer daytime
Overflights with European sites

Scale at A3

1:250,000

Suitability

Issue

Project Number

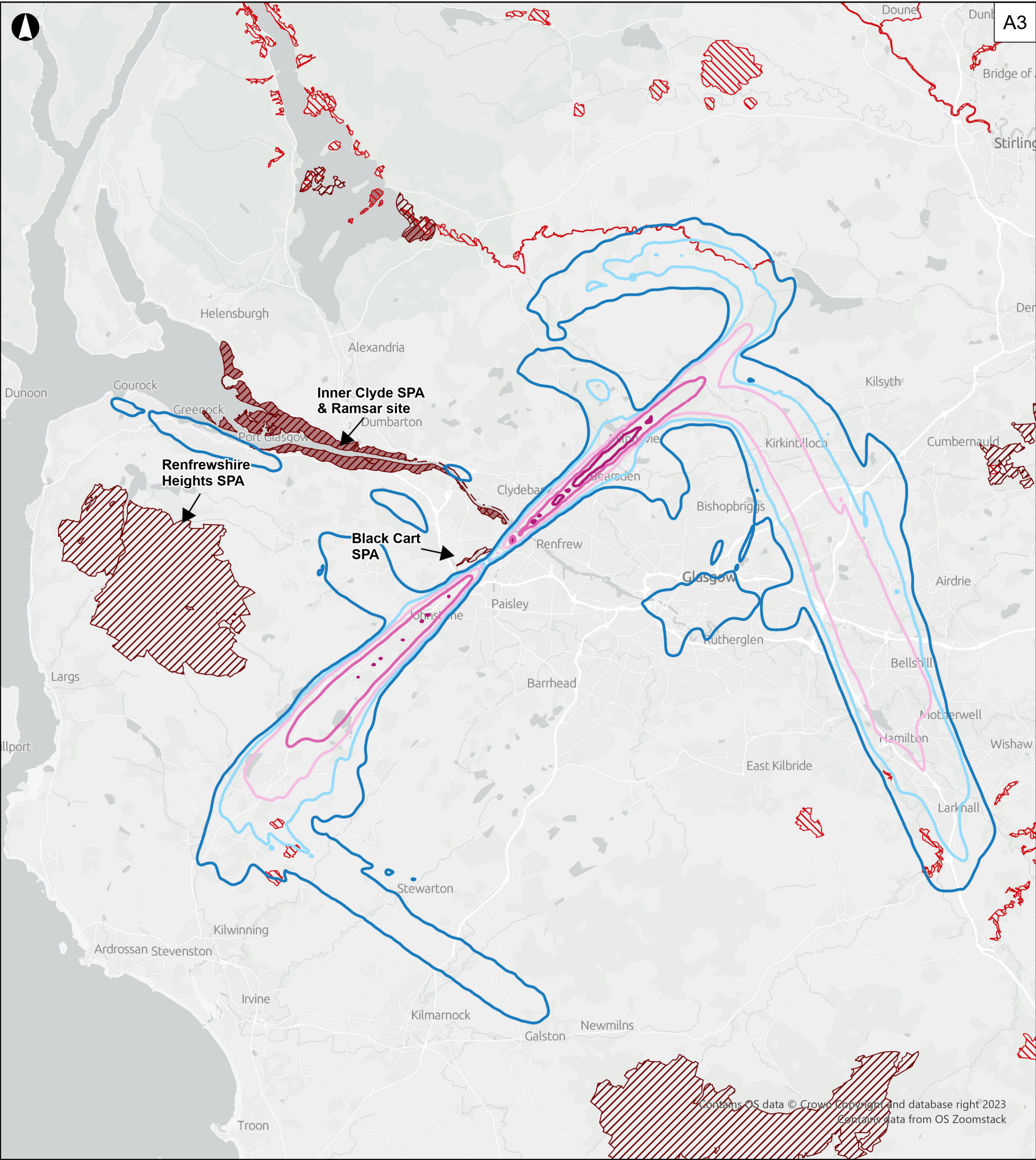
268771-00

Rev

P01

© Arup 2024

40



Legend

5
10
20
50
100

Special Protection Areas
Special Areas of Conservation
Ramsar sites

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH

Kilometers
0 5 10 20

ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

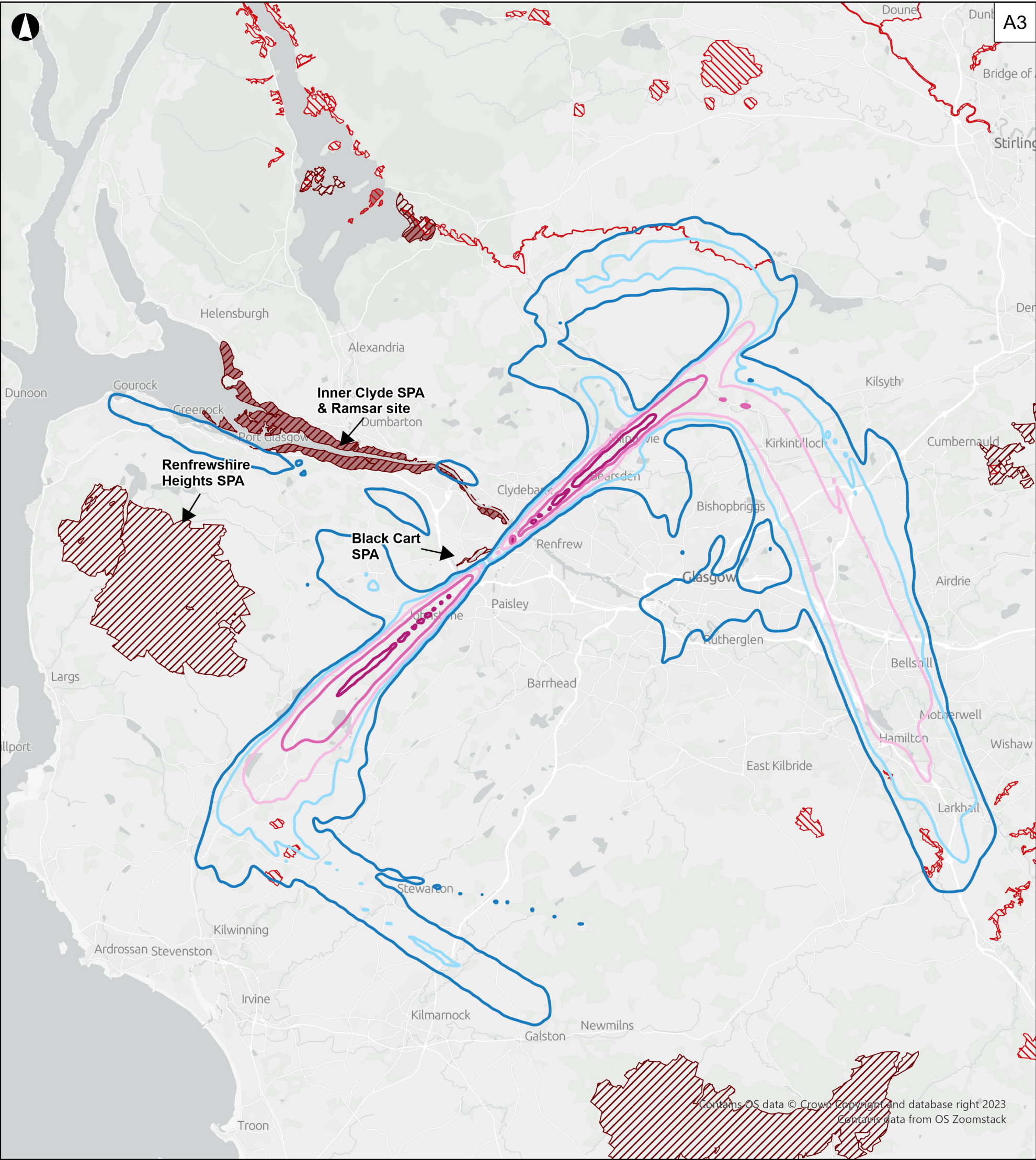
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA16:
2027 Without Airspace Change
92-day summer daytime
Overflights with European sites**

Scale at A3
1:250,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



5

10

20

50

100

Special Protection Areas

Special Areas of Conservation

Ramsar sites

Coordinate System: British National Grid

© Crown copyright and database rights 2023

Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH

Kilometers

051020

ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client

Glasgow Airport Ltd

Project Name

Glasgow Airport
FASI-N Airspace Change
Proposal

Drawing Title

Figure TA24:
2036 Without Airspace Change
92-day summer daytime
Overflights with European sites

Scale at A3

1:250,000

Suitability

Issue

Project Number

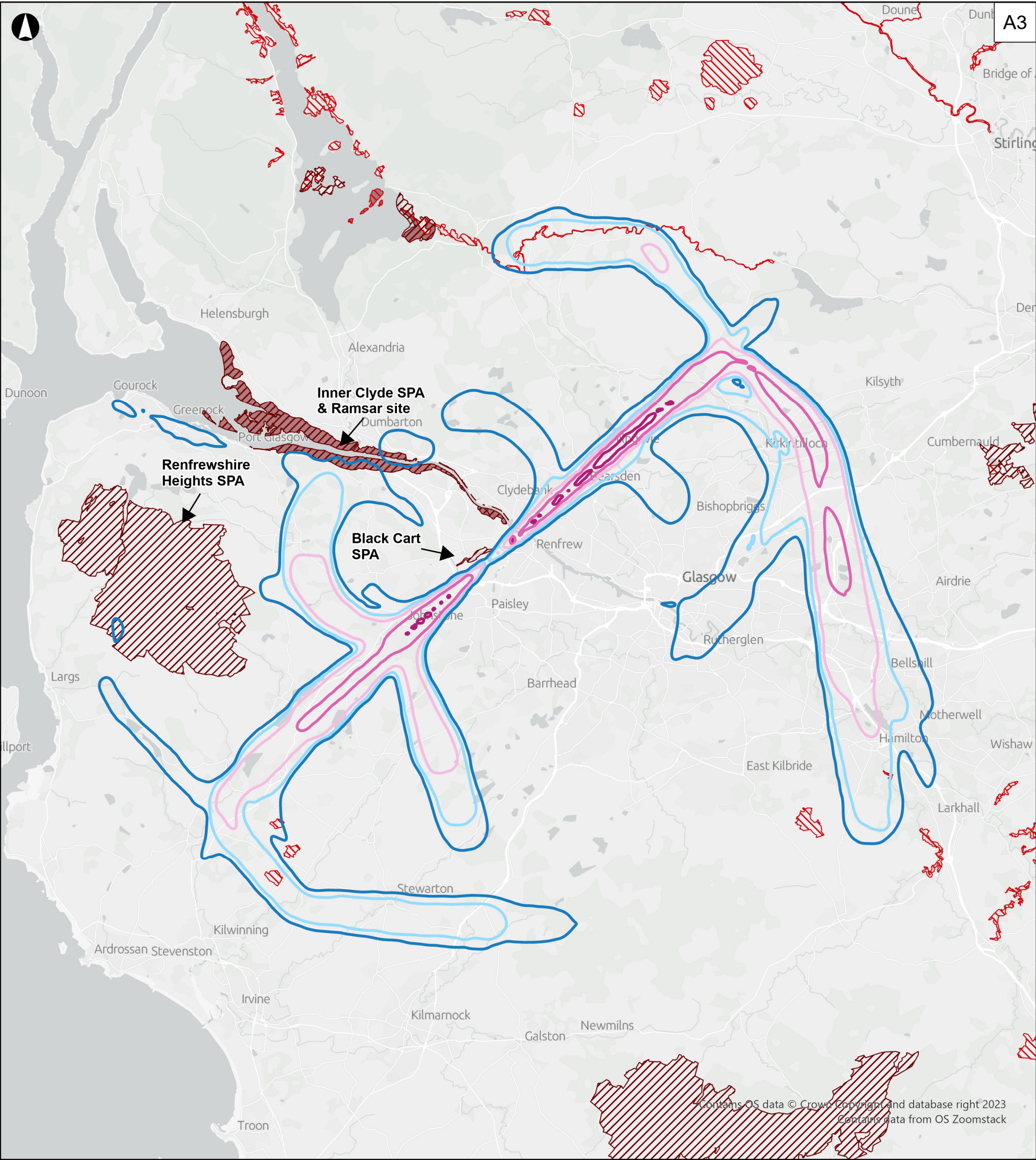
268771-00

Rev

P01

© Arup 2024

42



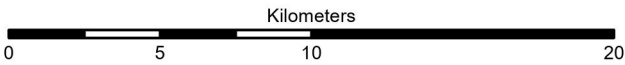
Legend

- 5
- 10
- 20
- 50
- 100

- Special Protection Areas
- Special Areas of Conservation
- Ramsar sites

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FAI-N Airspace Change
Proposal**

Drawing Title

**Figure TA48:
2027 With Airspace Change
Option 5 92-day summer
daytime Overflights with
European sites**

Scale at A3

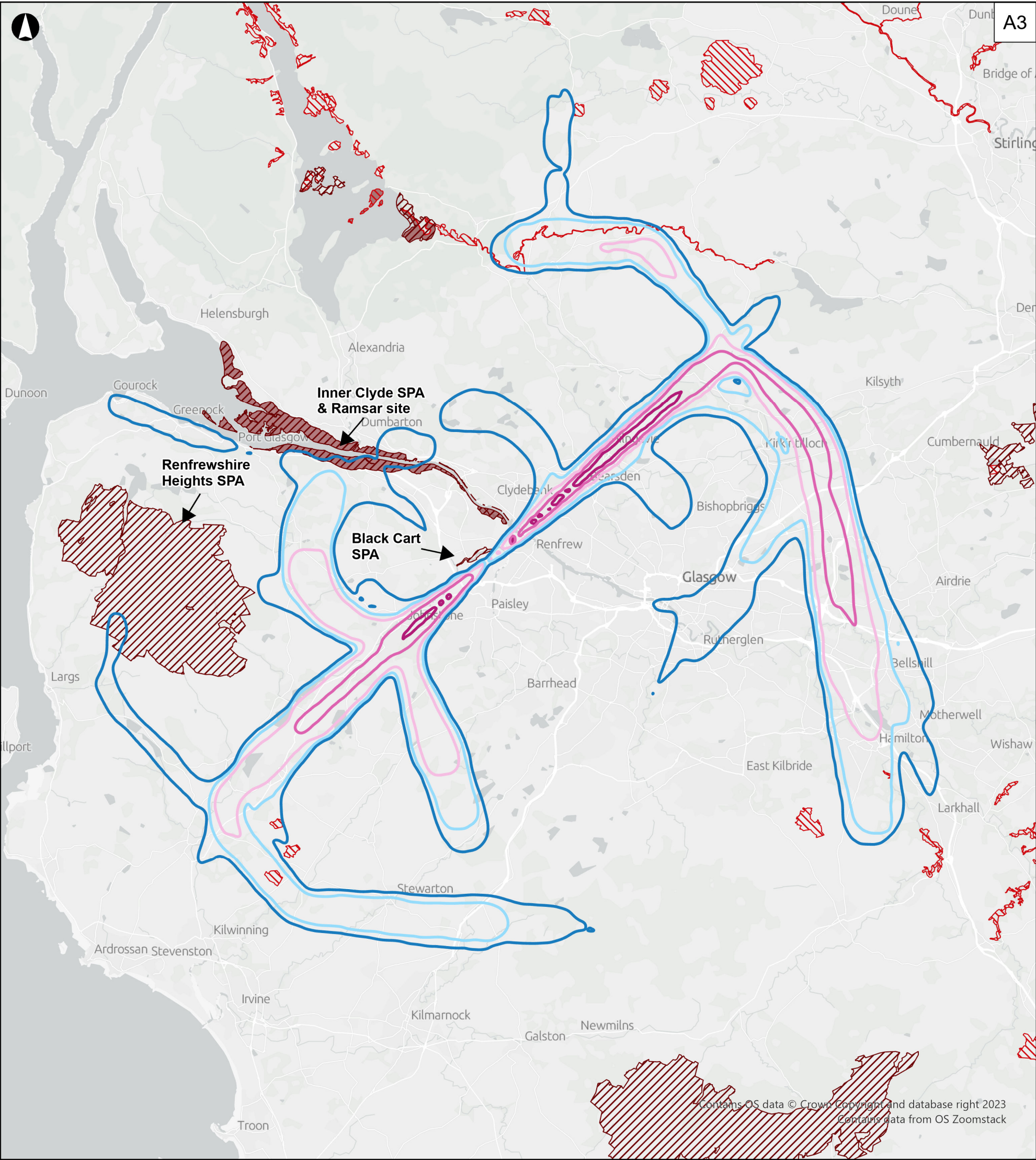
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



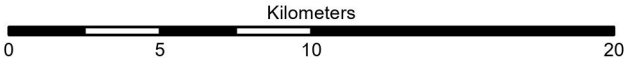
Legend

- 5
- 10
- 20
- 50
- 100

- Special Protection Areas
- Special Areas of Conservation
- Ramsar sites

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FAI-N Airspace Change
Proposal**

Drawing Title

**Figure TA56:
2036 With Airspace Change
Option 5 92-day summer
daytime Overflights with
European sites**

Scale at A3

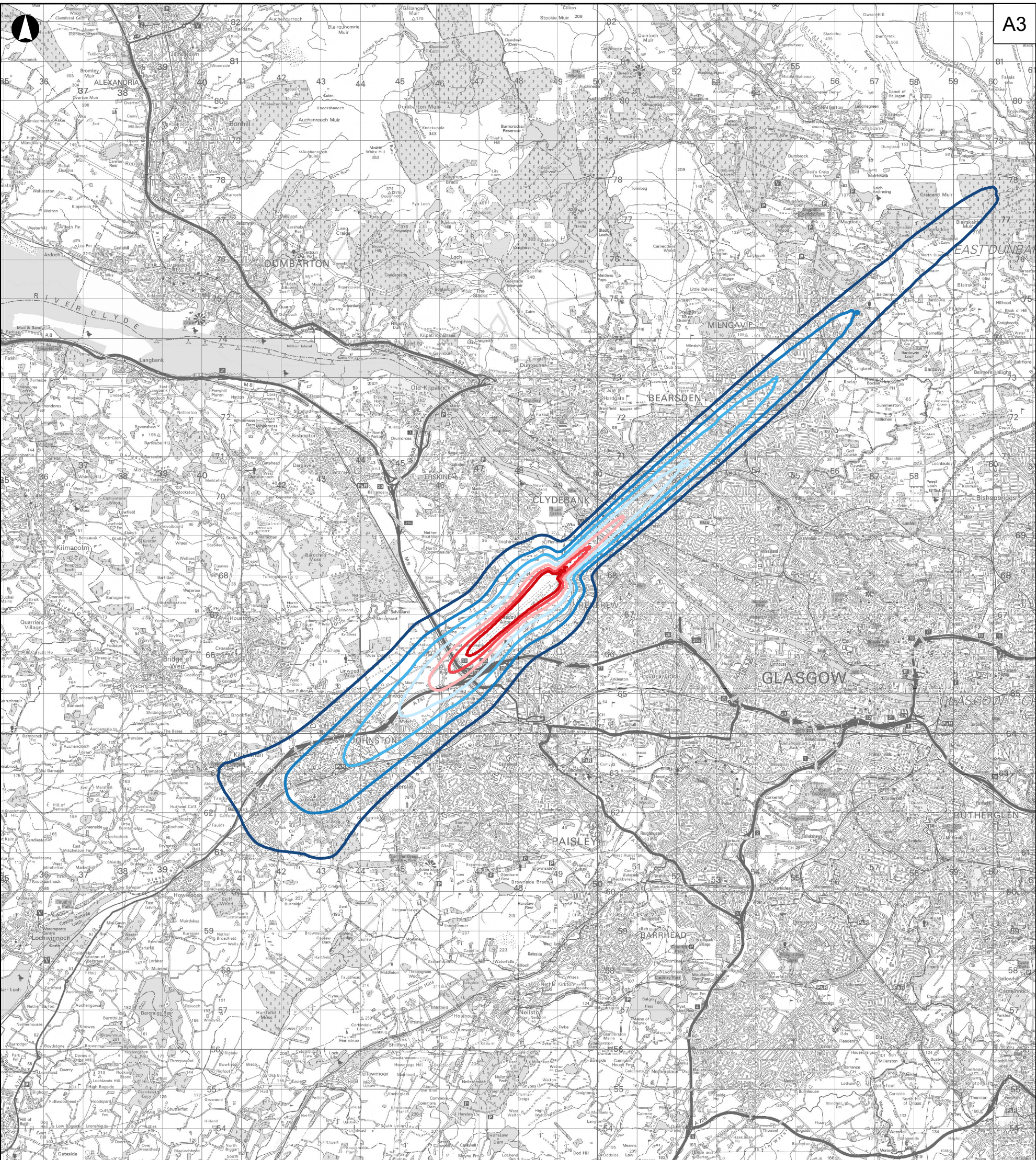
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



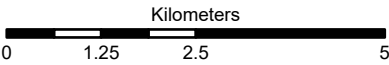
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

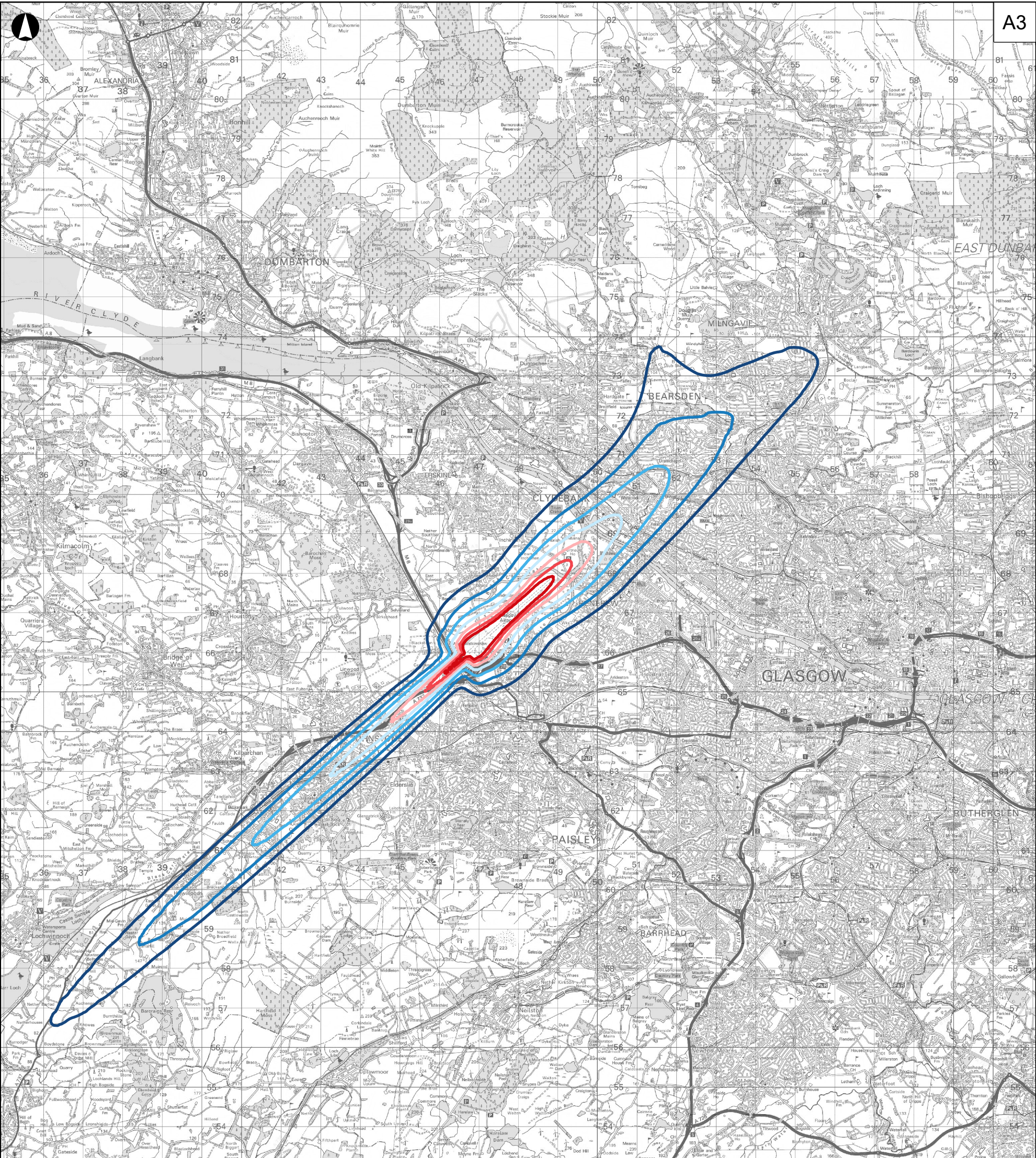
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA57:
2036 With Airspace Change
Option 5 92-day summer
100% westerly daytime $L_{Aeq,16h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



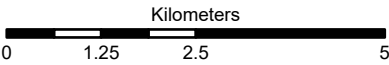
A3

Legend

- 51dB
- 54dB
- 57dB
- 60dB
- 63dB
- 66dB
- 69dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

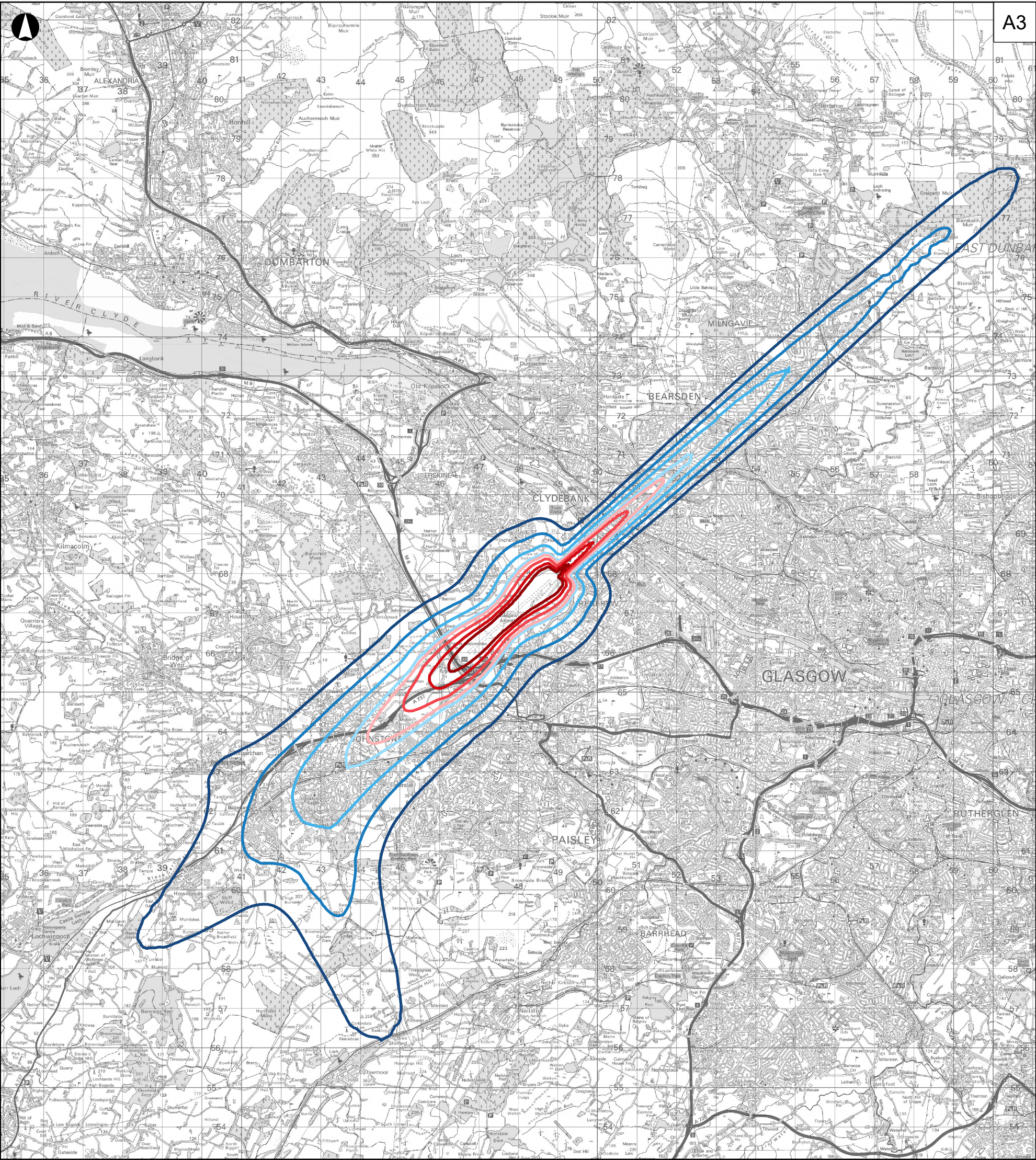
Drawing Title
**Figure TA58:
2036 With Airspace Change
Option 5 92-day summer
100% easterly daytime L_{Aeq,16h}**

Scale at A3
1:100,000

Suitability
Issue

Project Number
268771-00

Rev
P01



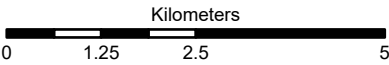
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

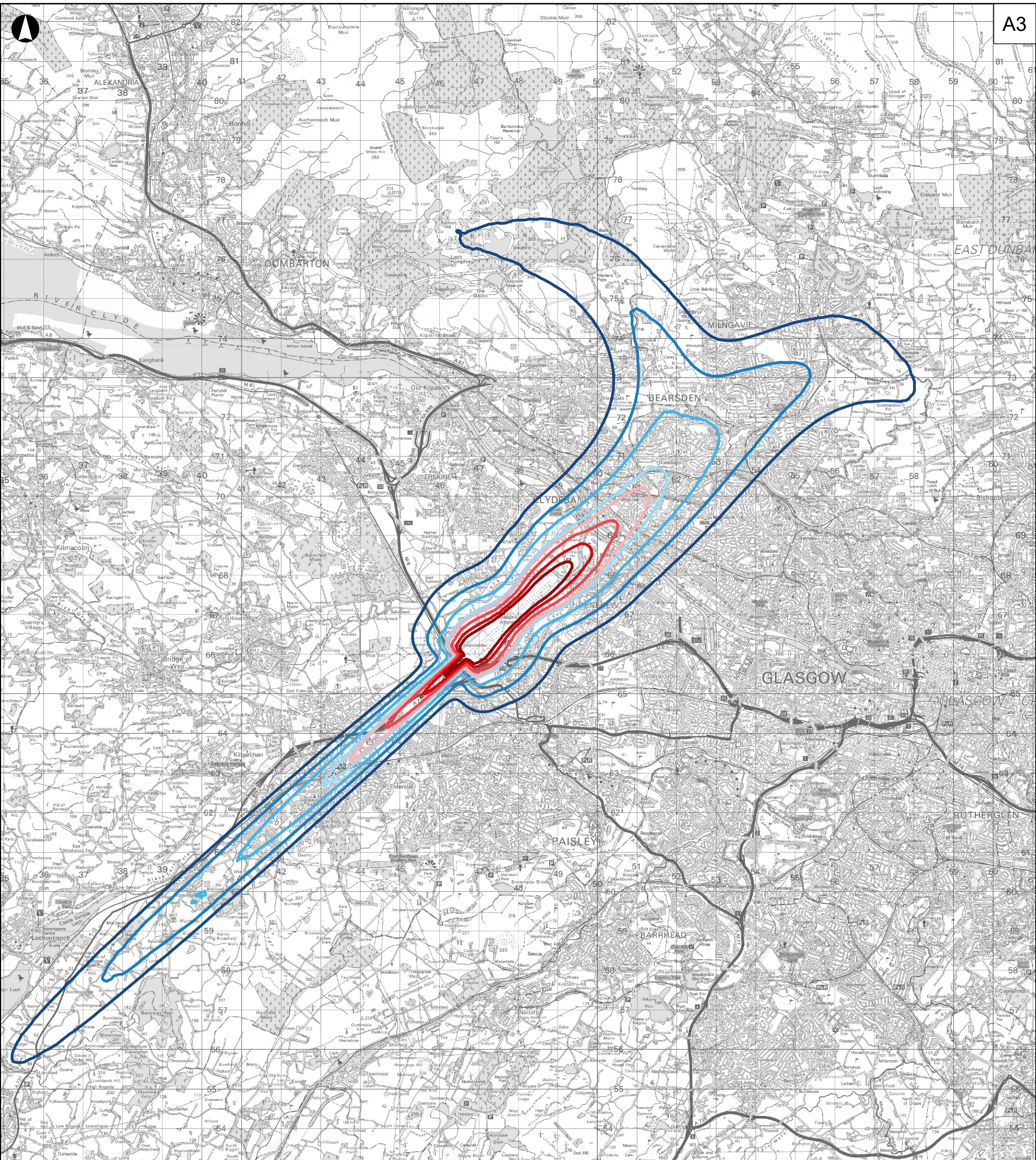
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA59:
2036 With Airspace Change
Option 5 92-day summer
100% westerly night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



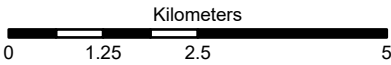
A3

Legend

- 45dB
- 48dB
- 51dB
- 54dB
- 55dB
- 57dB
- 60dB
- 63dB

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

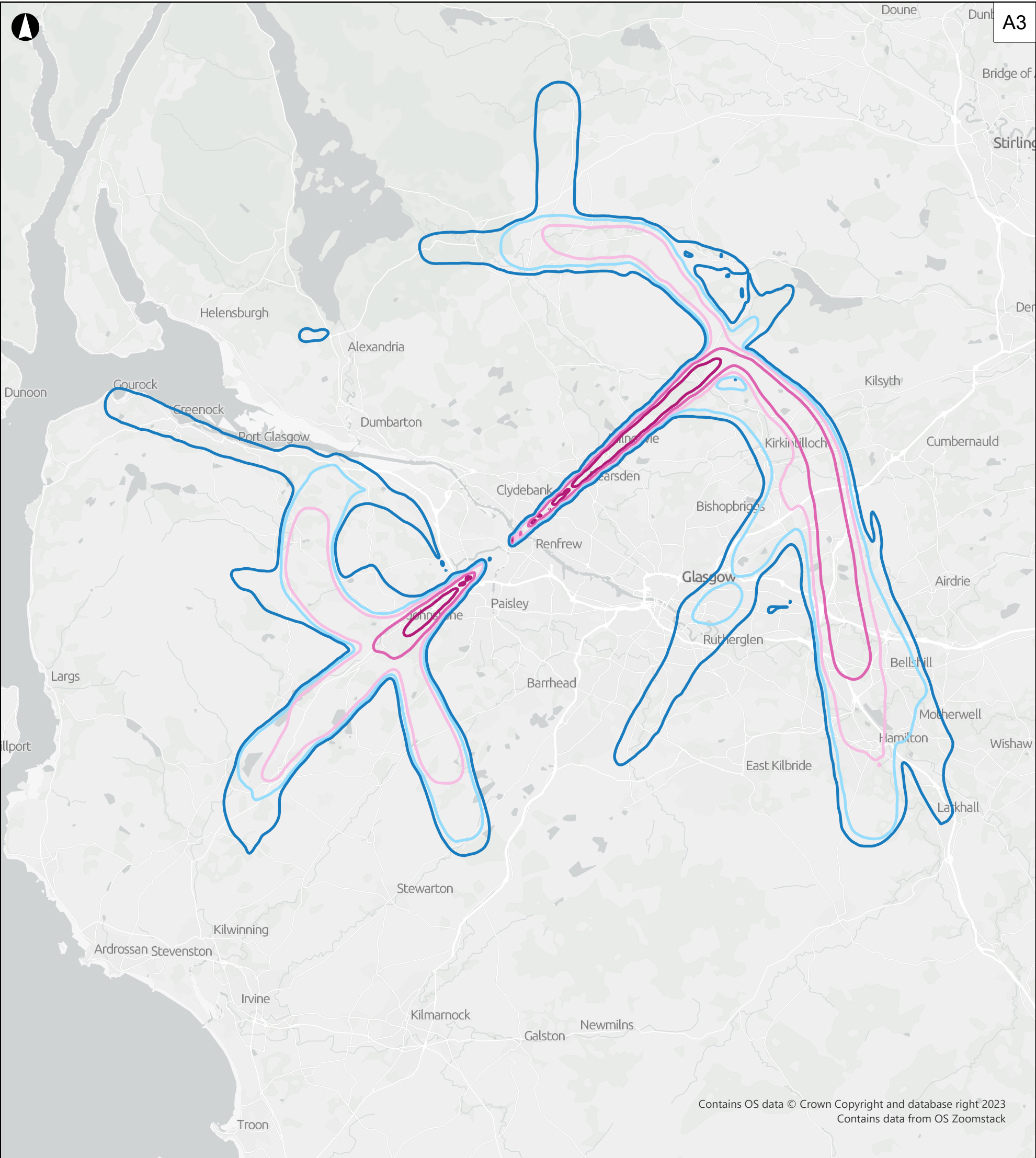
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA60:
2036 With Airspace Change
Option 5 92-day summer
100% easterly night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



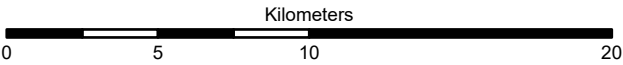
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20
- 50
- 100

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA61:
2036 With Airspace Change
Option 5 92-day summer
100% westerly daytime
Overflights**

Scale at A3

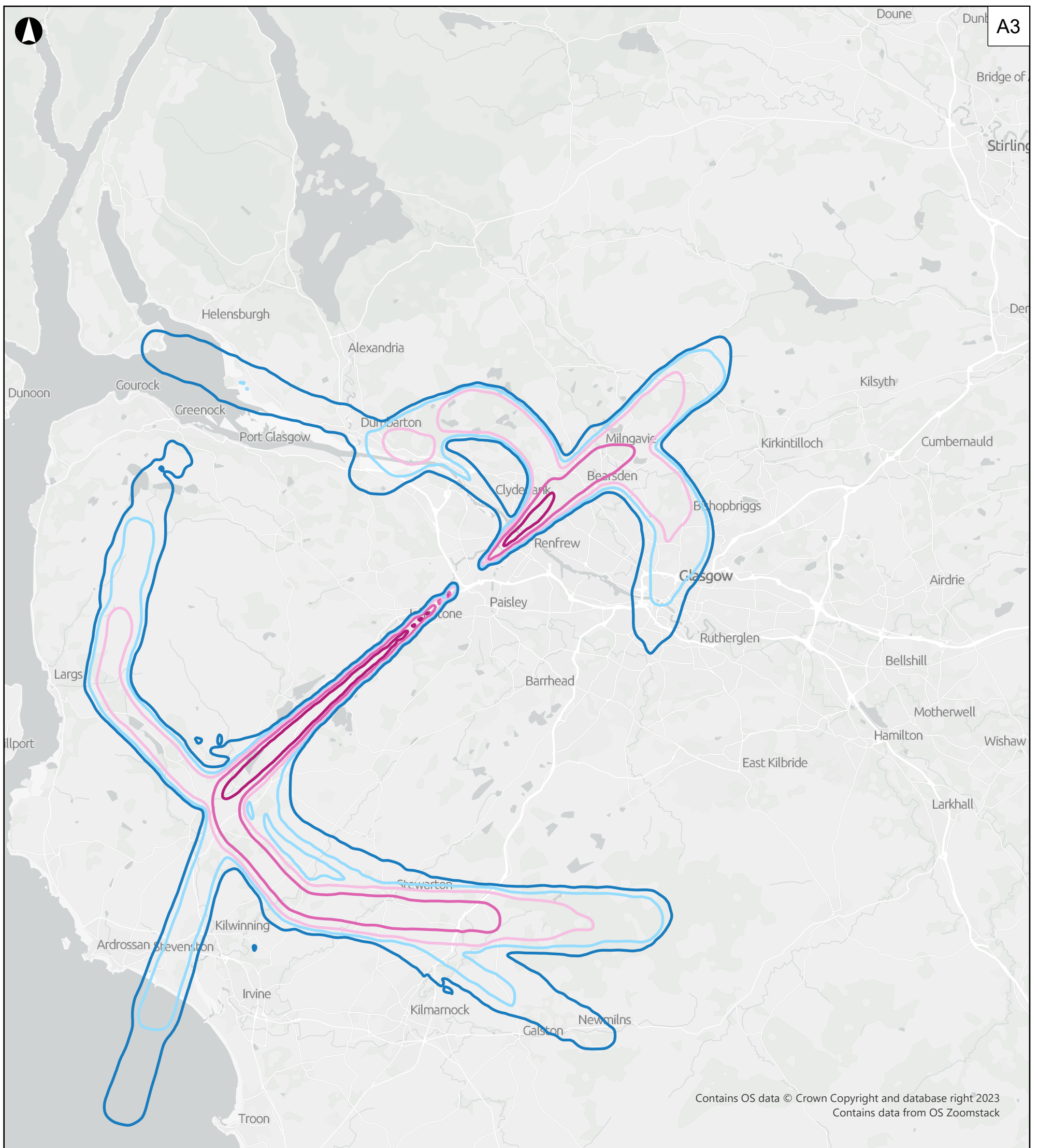
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



Legend

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH

A horizontal scale bar labeled "Kilometers" with markings at 0, 5, 10, and 20.

ARUP

Client

Glasgow Airport Ltd

Project Name

**Glasgow Airport
FASI-N Airspace Change
Proposal**

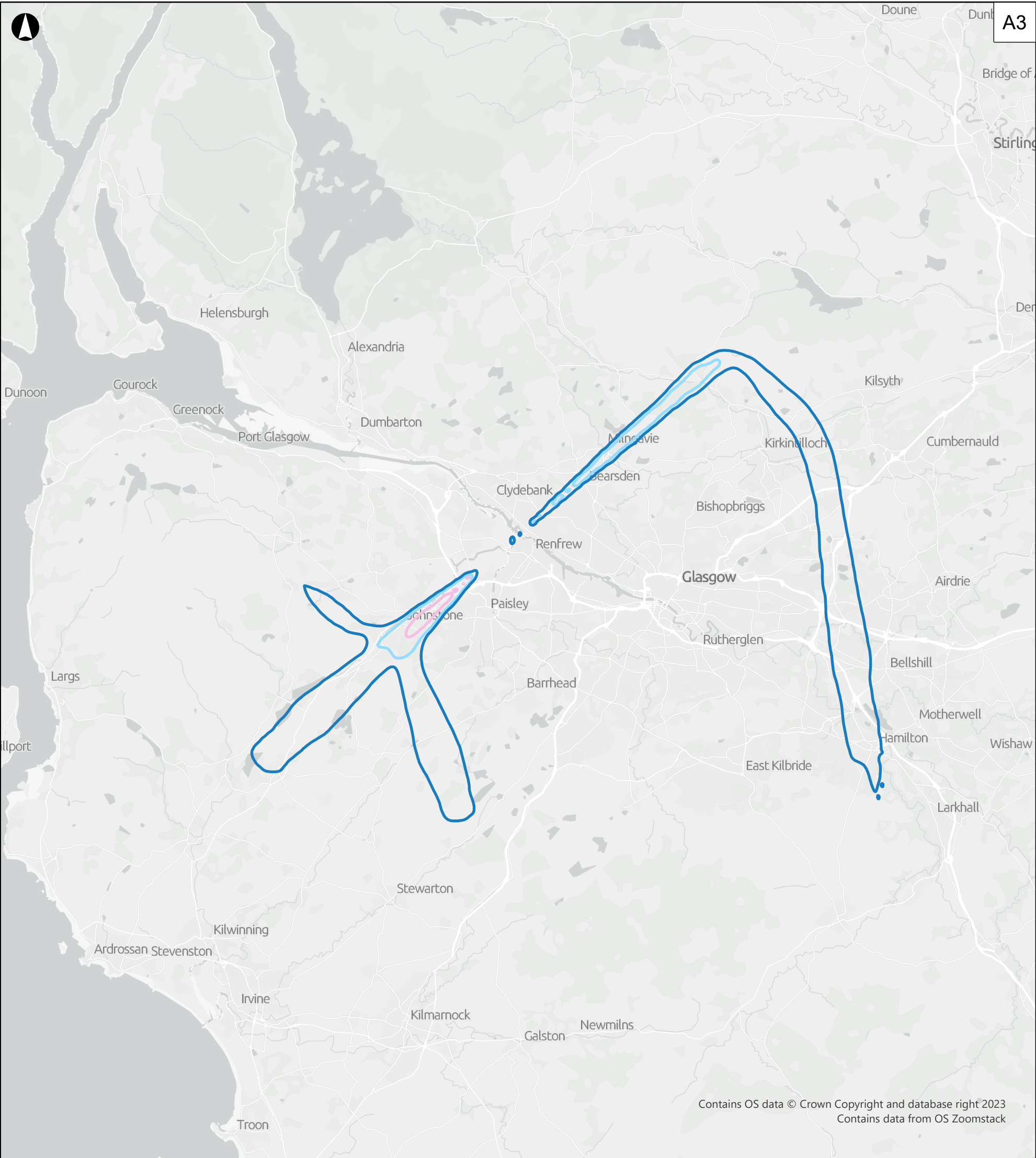
Drawing Title

Scale at A3

Suitability

Project Number
268771-00

Rev
P01



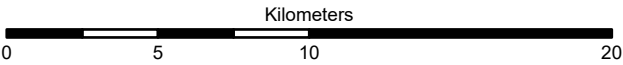
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA63:
2036 With Airspace Change
Option 5 92-day summer
100% westerly night-time
Overflights**

Scale at A3

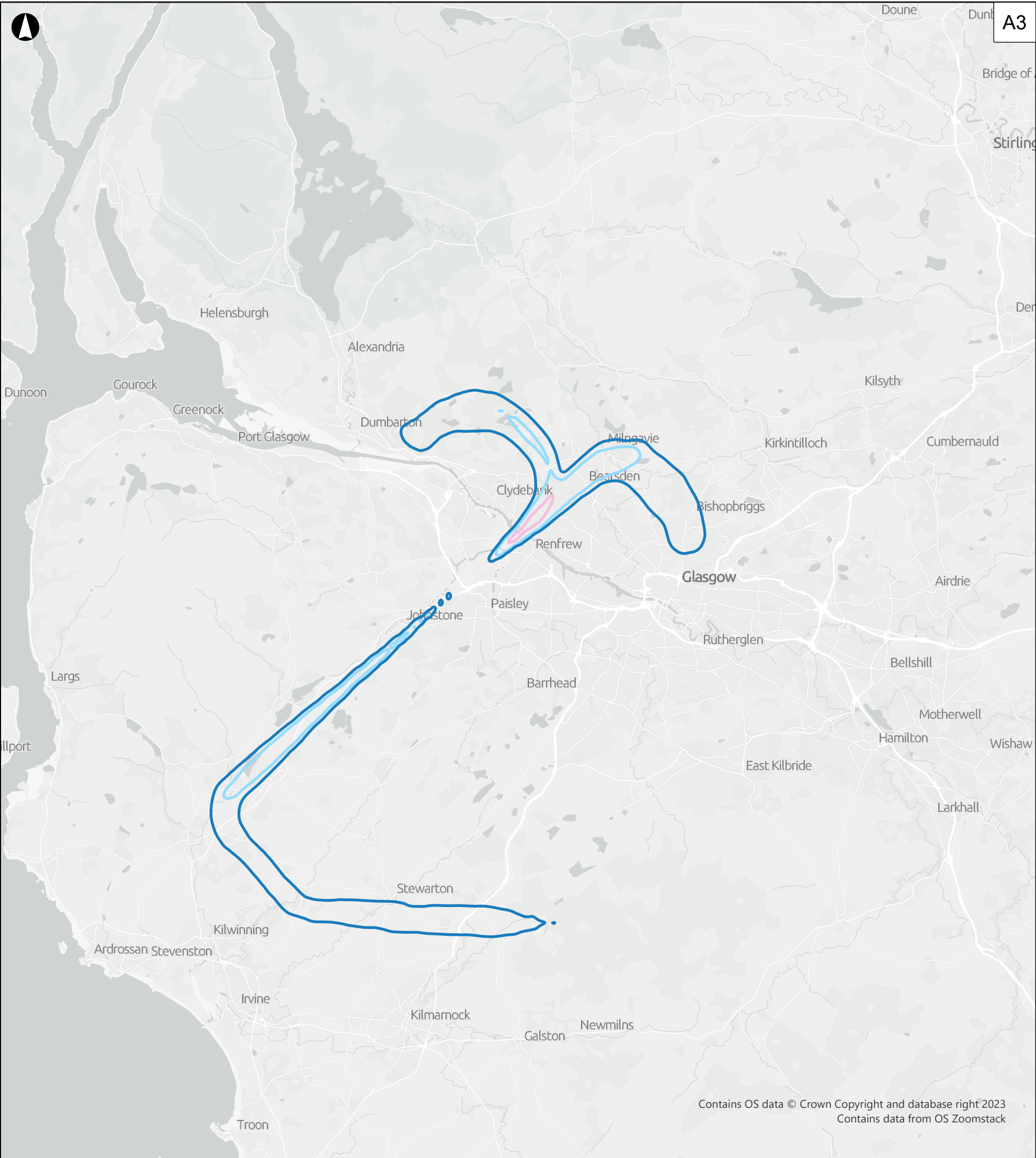
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



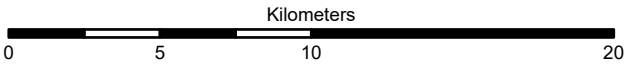
A3

Legend

- 5
- 10
- 20

Coordinate System: British National Grid
© Crown copyright and database rights 2023
Contains data from OS Zoomstack

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA64:
2036 With Airspace Change
Option 5 92-day summer
100% easterly night-time
Overflights**

Scale at A3

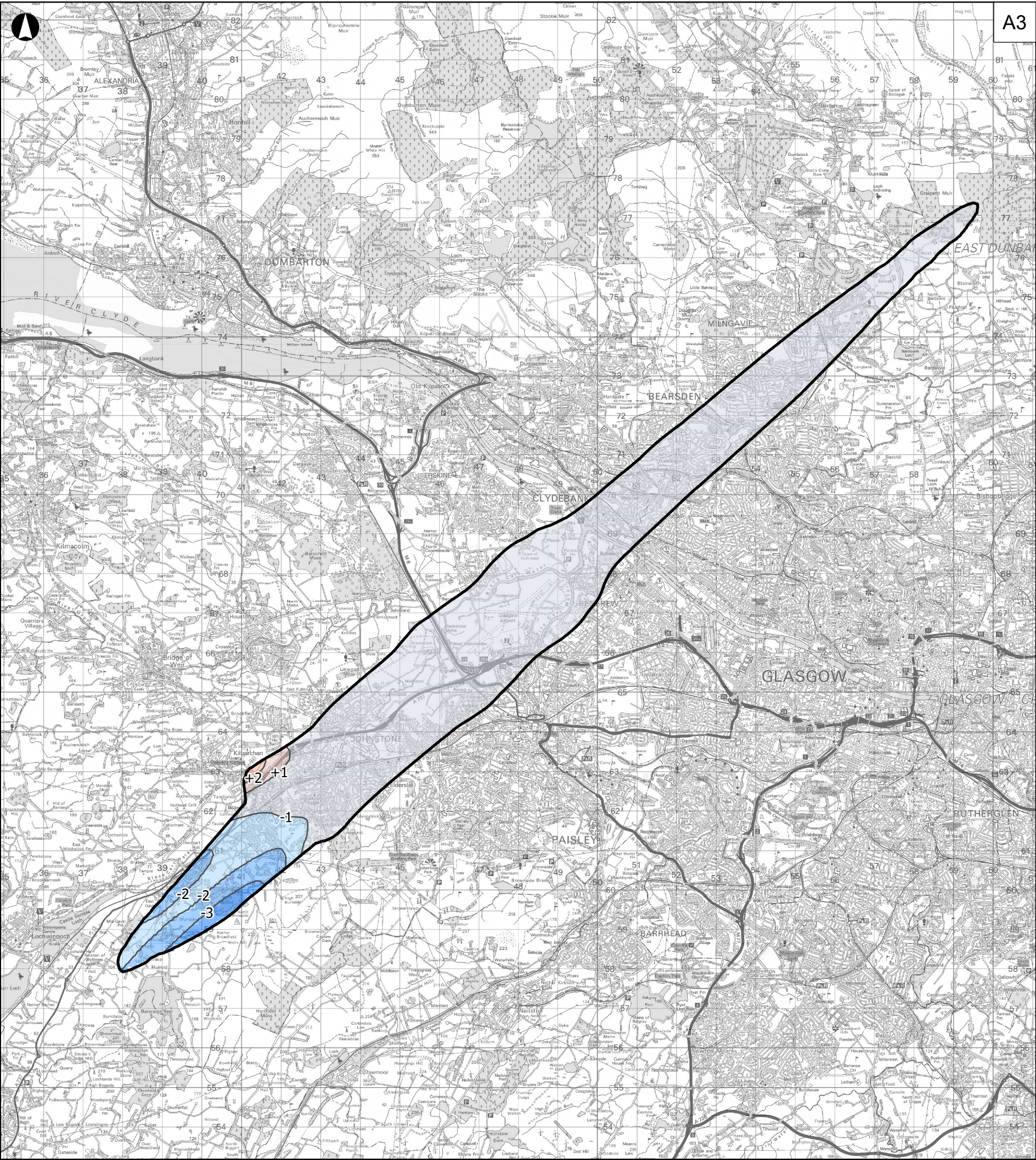
1:250,000

Suitability

Issue

Project Number
268771-00

Rev
P01



A3

Legend

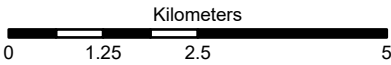
- < -3.0 dB
- 2.9 to -2.0 dB
- 1.9 to -1.0 dB
- 0.9 to +0.9 dB
- +1.0 to +1.9 dB
- +2.0 to +2.9 dB
- +3.0 to +5.9 dB
- +6.0 to +8.9 dB
- > +9.0 dB

Outer extent of combined LOAEL contour

Coordinate System: British National Grid

© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client

Glasgow Airport Ltd

Project Name

Glasgow Airport
FASI-N Airspace Change
Proposal

Drawing Title

Figure TA65:
2036 With Airspace Change
Option 5 92-day summer
difference daytime $L_{Aeq,16h}$

Scale at A3

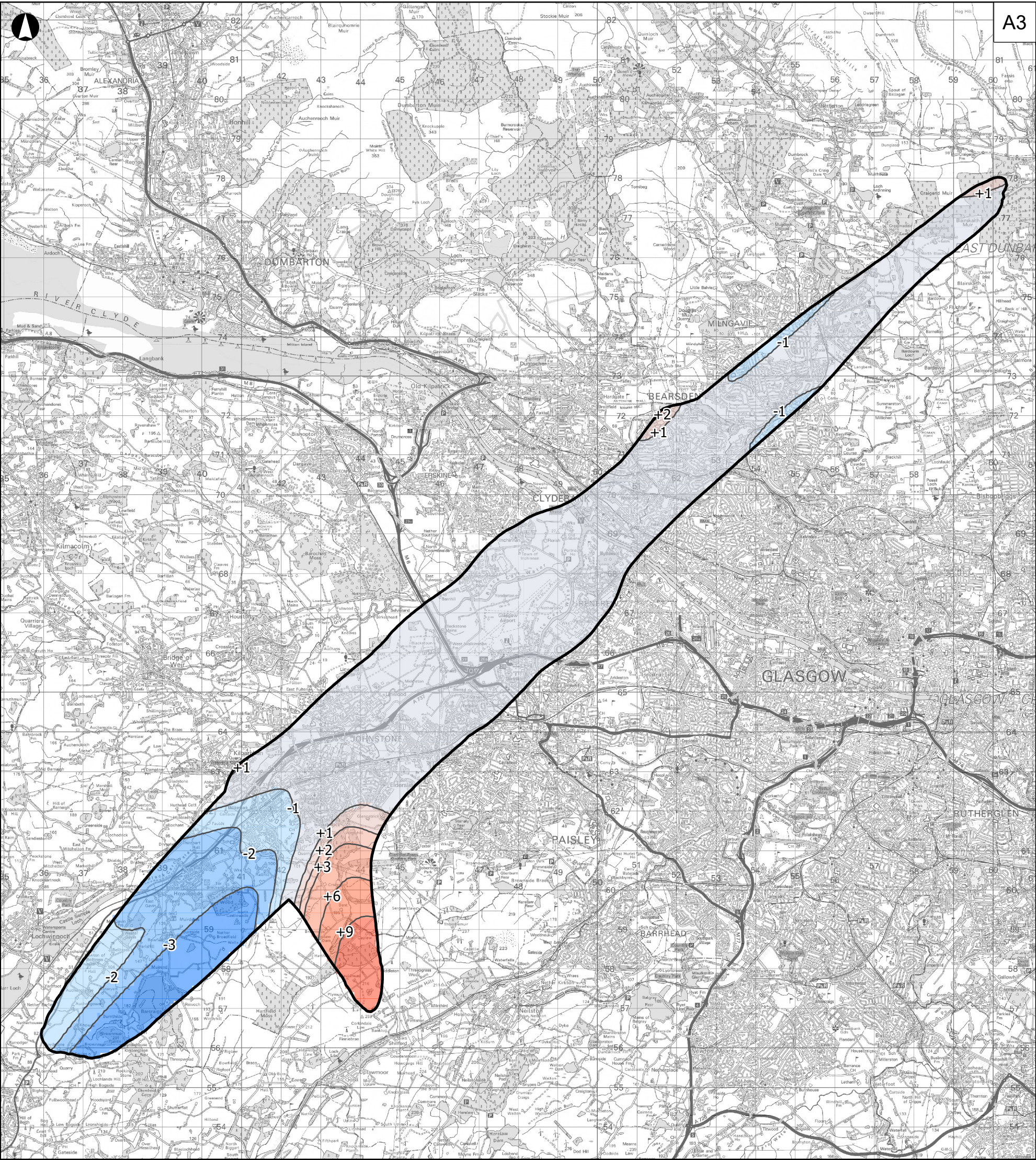
1:100,000

Suitability

Issue

Project Number
268771-00

Rev
P01



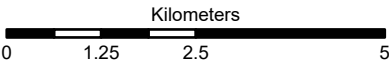
Legend

< -3.0 dB	+2.0 to +2.9 dB
-2.9 to -2.0 dB	+3.0 to +5.9 dB
-1.9 to -1.0 dB	+6.0 to +8.9 dB
-0.9 to 0.9 dB	> +9.0 dB
+1.0 to +1.9 dB	

Outer extent of combined LOAEL contour

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

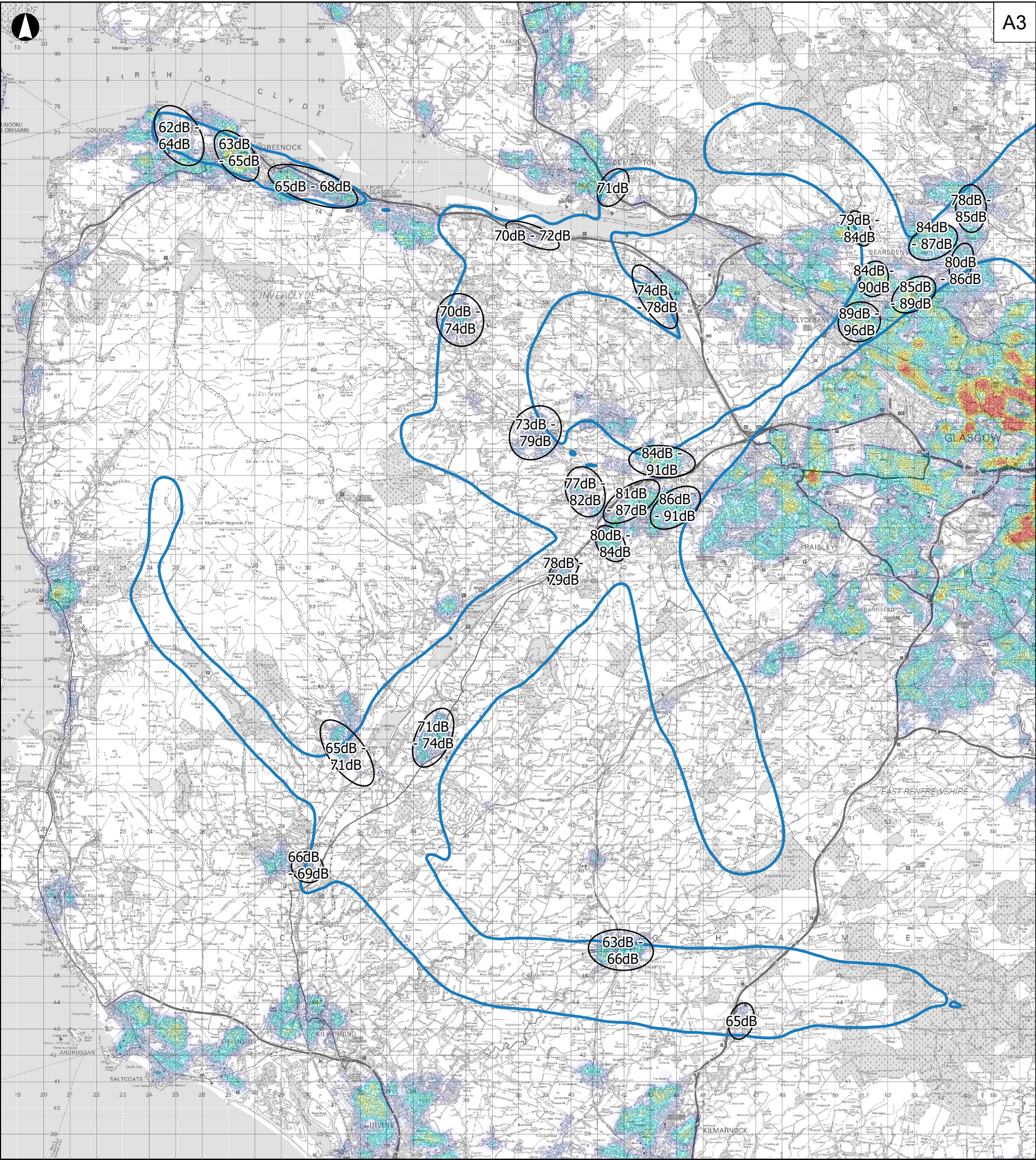
Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title
**Figure TA66:
2036 With Airspace Change
Option 5 92-day summer
difference night-time $L_{Aeq,8h}$**

Scale at A3
1:100,000

Suitability
Issue

Project Number 268771-00	Rev P01
------------------------------------	-------------------



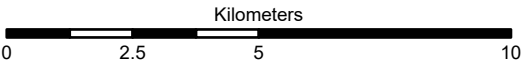
A3

Legend

- Range of dB LASmax in community area
- 5 (Daytime Overflights)

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA67:
2036 With Airspace Change
Option 5 Maximum spot noise
levels (worst-case of all aircraft
types) 1 of 2**

Scale at A3

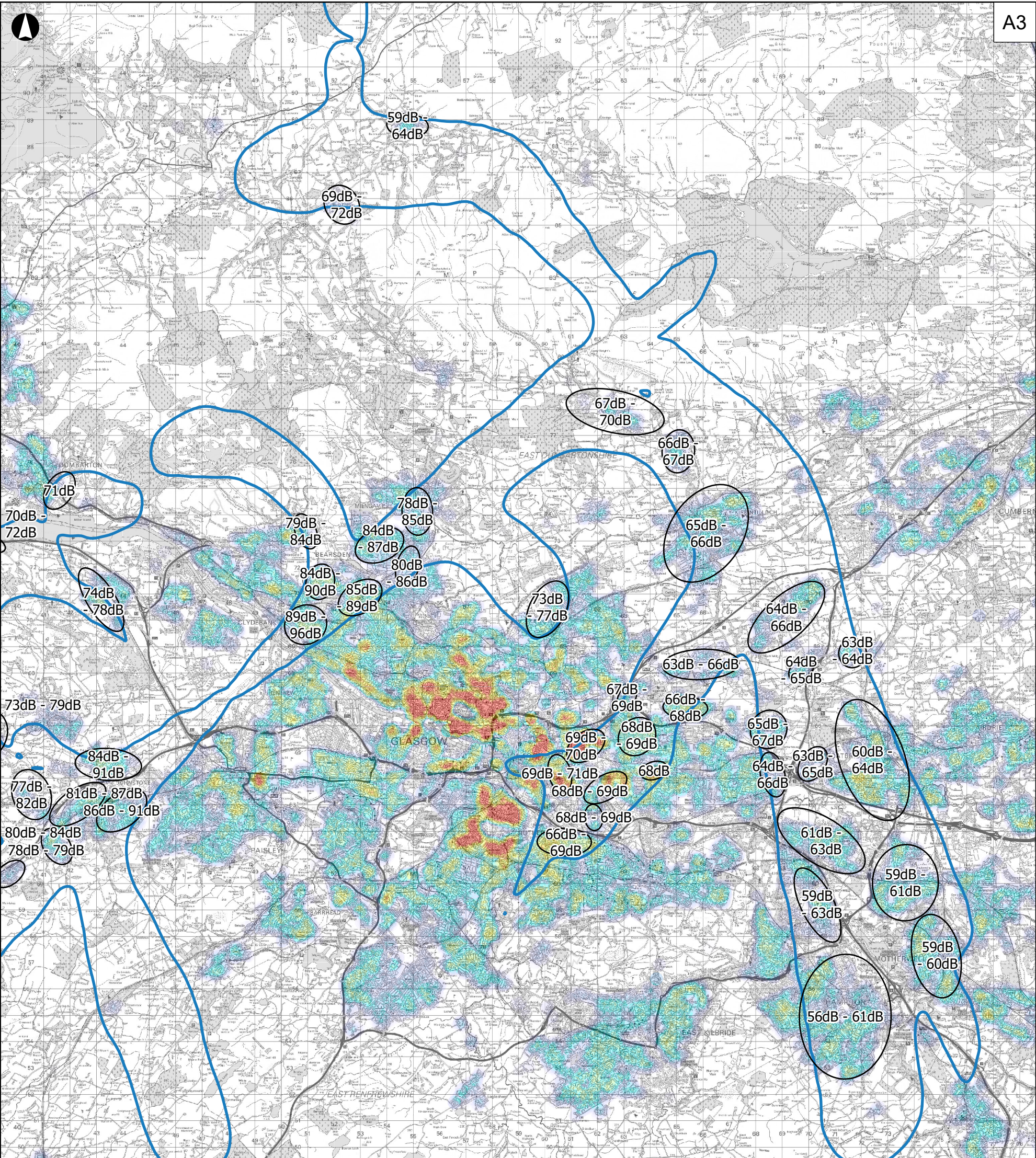
1:150,000

Suitability

Issue

Project Number
268771-00

Rev
P01



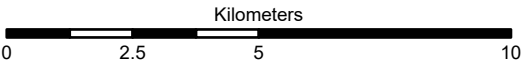
A3

Legend

-  Range of dB LASmax in community area
-  5 (Daytime Overflights)

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA68:
With Airspace Change 2036
Option 5 Maximum spot noise
levels (worst-case of all aircraft
types) 2 of 2**

Scale at A3

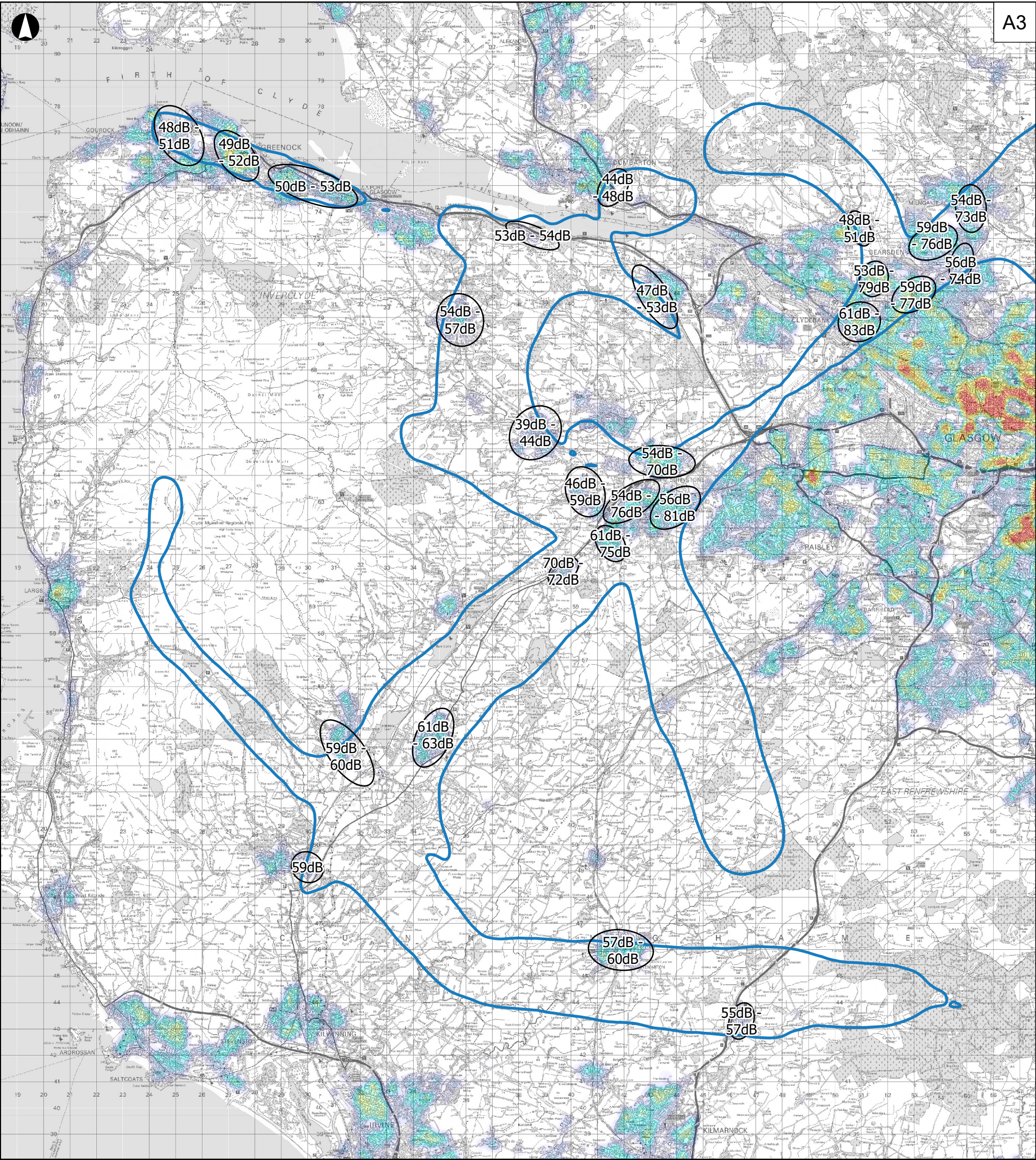
1:150,000

Suitability

Issue

Project Number
268771-00

Rev
P01

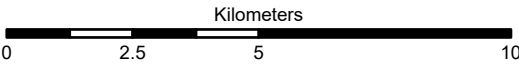


Legend

- Range of dB LASmax in community area
- 5 (Daytime Overflights)

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA69:
With Airspace Change 2036
Option 5 Maximum spot noise
levels (most common aircraft
type - A320neo) 1 of 2**

Scale at A3

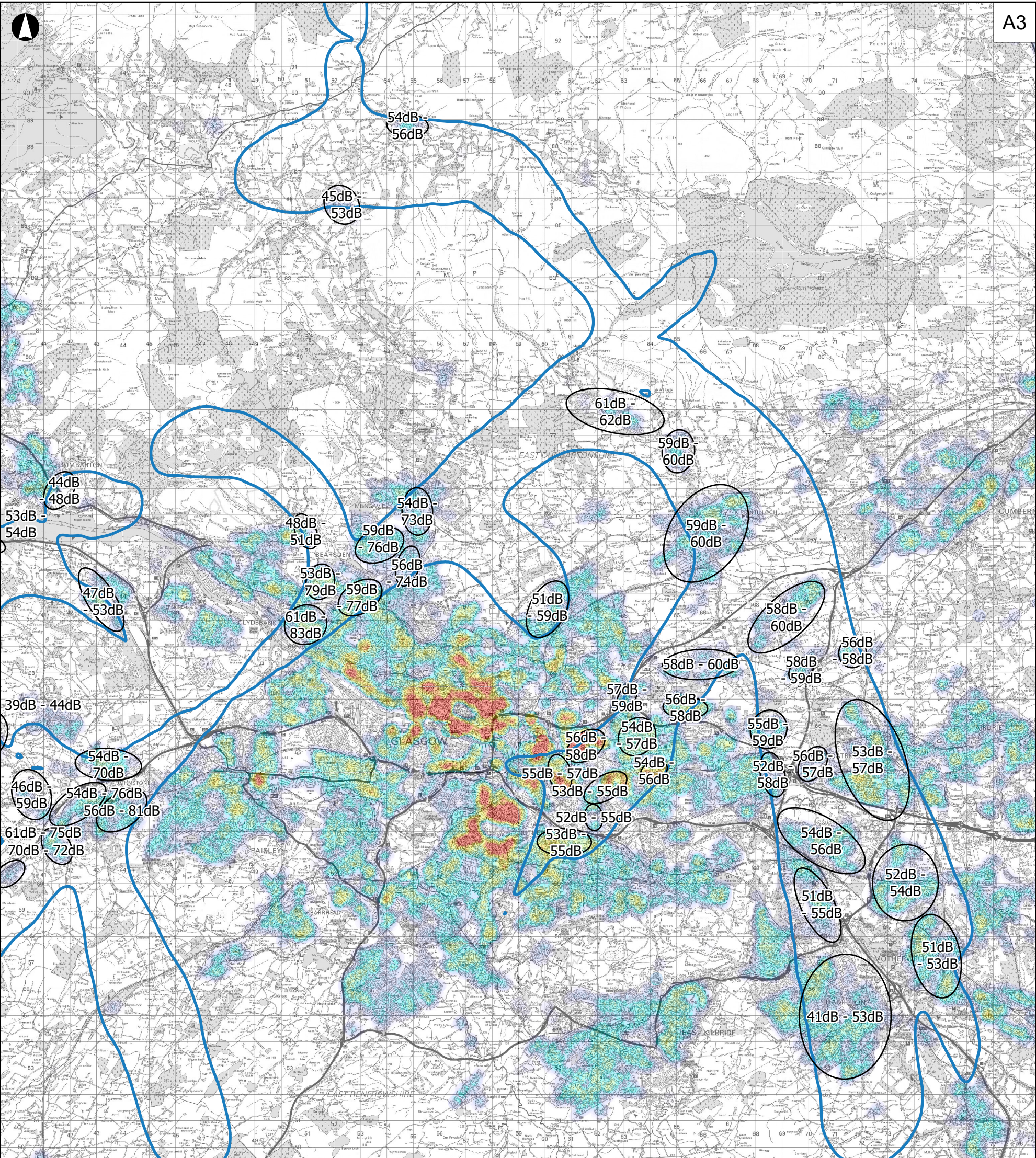
1:150,000

Suitability

Issue

Project Number
268771-00

Rev
P01



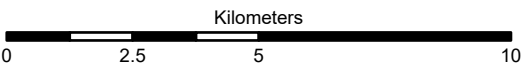
A3

Legend

- Range of dB LASmax in community area
- 5 (Daytime Overflights)

Coordinate System: British National Grid
© Crown copyright and database rights 2024
Ordnance Survey 0100031673

Rev	Date	By	Chkd	Appd	Authd
P01	02/08/24	GL	CS	DH	DH



ARUP

7th Floor, 1 W Regent St
Glasgow G2 1RW
Tel +44 141 332 8534
www.arup.com

Client
Glasgow Airport Ltd

Project Name
**Glasgow Airport
FASI-N Airspace Change
Proposal**

Drawing Title

**Figure TA70:
With Airspace Change 2036
Option 5 Maximum spot noise
levels (most common aircraft
type - A320neo) 2 of 2**

Scale at A3

1:150,000

Suitability

Issue

Project Number
268771-00

Rev
P01

Noise Contour Data

Scenario: Without airspace change

Metric: LAEQ16HR

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	LAEQ16HR	51	36.9	55900	26500	26	0	12	26	76
			54	18.9	23100	10900	5	0	4	10	29
			57	9.5	5200	2500	0	0	0	2	9
			60	4.8	900	500	0	0	0	1	2
			63	2.6	<100	<100	0	0	0	0	0
			66	1.5	0	0	0	0	0	0	0
			69	0.9	0	0	0	0	0	0	0
2027	Without airspace change	LAEQ16HR	51	44.7	68700	32400	35	0	14	30	88
			54	23.0	31000	14700	11	0	5	17	35
			57	11.8	8600	4000	2	0	0	4	13
			60	5.8	1500	800	0	0	0	2	4
			63	3.1	<100	<100	0	0	0	0	0
			66	1.7	0	0	0	0	0	0	0
			69	1.0	0	0	0	0	0	0	0
2036	Without airspace change	LAEQ16HR	51	47.6	72600	34200	37	0	15	34	91
			54	24.9	34500	16300	14	0	6	19	36
			57	12.7	10400	4900	4	0	0	5	14
			60	6.3	1900	1000	0	0	0	2	4
			63	3.3	<100	<100	0	0	0	0	0
			66	1.8	0	0	0	0	0	0	0
			69	1.1	0	0	0	0	0	0	0

Noise Contour Data

Scenario: Without airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	LAEQ8HR	45	67.8	89200	42000	47	0	19	45	122
			48	37.1	53800	25500	26	0	12	25	64
			51	18.3	20000	9800	8	0	4	12	26
			54	8.7	2100	1100	0	0	0	2	6
			55	6.9	1000	500	0	0	0	1	5
			57	4.5	<100	<100	0	0	0	0	2
			60	2.6	<100	<100	0	0	0	0	0
			63	1.5	0	0	0	0	0	0	0
2027	Without airspace change	LAEQ8HR	45	71.7	92700	43600	48	0	20	49	128
			48	39.4	56800	27000	28	0	13	26	70
			51	19.5	22800	11100	9	0	5	14	28
			54	9.3	2800	1300	0	0	0	2	6
			55	7.4	1400	700	0	0	0	2	5
			57	4.8	<100	<100	0	0	0	1	3
			60	2.7	<100	<100	0	0	0	0	0
			63	1.5	0	0	0	0	0	0	0
2036	Without airspace change	LAEQ8HR	45	75.5	97200	45600	48	0	21	52	132
			48	41.9	59800	28400	29	0	13	26	76
			51	20.9	26300	12700	11	0	5	16	31
			54	10.0	3500	1700	0	0	0	2	6
			55	7.9	1700	900	0	0	0	2	5
			57	5.1	100	100	0	0	0	1	3
			60	2.9	<100	<100	0	0	0	0	0
			63	1.6	0	0	0	0	0	0	0

Noise Contour Data

Scenario: Without airspace change

Metric: N65

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	N65	5	116.2	133000	63300	57	0	29	71	340
			10	87.3	106500	50000	51	0	24	58	146
			20	63.5	84700	39800	46	0	19	45	121
			50	34.1	47200	22000	19	0	11	24	73
			100	3.4	<100	<100	0	0	0	0	3
2027	Without airspace change	N65	5	133.9	148100	70600	59	0	32	76	429
			10	101.3	114100	53900	52	0	26	59	192
			20	72.3	92000	43100	49	0	21	47	129
			50	41.0	55600	26100	23	0	12	31	88
			100	10.5	11300	5200	3	0	0	5	16
			200	0.6	0	0	0	0	0	0	0
2036	Without airspace change	N65	5	138.6	150500	71600	60	0	32	78	438
			10	104.8	117700	55800	52	0	28	60	205
			20	76.0	94800	44500	50	0	21	49	131
			50	43.6	58700	27600	25	0	13	32	89
			100	13.2	16800	7600	4	0	1	7	20
			200	0.8	0	0	0	0	0	0	0

Noise Contour Data

Scenario: Without airspace change

Metric: N60

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	N60	5	124.7	138700	66900	59	0	30	77	386
			10	70.2	88400	41800	48	0	20	44	125
			20	5.9	500	300	0	0	0	0	4
2027	Without airspace change	N60	5	132.0	144500	69700	62	0	30	83	445
			10	74.9	98400	46700	50	0	20	50	140
			20	11.5	3000	1400	1	0	0	0	5
2036	Without airspace change	N60	5	136.7	146900	70700	63	0	30	84	461
			10	81.8	101800	48300	50	0	22	52	147
			20	13.4	4400	2100	6	0	0	1	6

Noise Contour Data

Scenario: Without airspace change

Metric: Overflights_Day

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	Overflights_Day	5	476.6	398000	186100	172	2	66	218	1359
			10	231.9	236200	108700	108	1	46	136	456
			20	126.7	151200	69300	63	1	33	84	262
			50	22.0	22700	10500	11	0	2	9	40
2027	Without airspace change	Overflights_Day	5	591.9	518300	243600	217	5	83	285	1742
			10	288.5	267900	123100	124	1	52	155	524
			20	158.8	181200	82900	78	1	41	98	314
			50	35.0	32000	15200	13	0	4	16	55
			100	2.7	5400	2400	1	0	0	0	2
2036	Without airspace change	Overflights_Day	5	630.2	554700	260200	234	8	90	301	1920
			10	312.4	275200	126400	128	1	55	157	562
			20	167.3	188300	86400	82	1	43	102	333
			50	37.3	34400	16400	13	0	4	16	59
			100	5.6	8500	3700	4	0	1	3	8

Noise Contour Data

Scenario: Without airspace change

Metric: Overflights_Night



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2022	Without airspace change	Overflights_Night	5	51.9	44500	21300	16	0	11	23	164
			10	20.3	19200	9000	9	0	4	7	33
2027	Without airspace change	Overflights_Night	5	57.1	50900	24200	16	0	12	28	176
			10	27.0	25700	12200	12	0	4	11	43
2036	Without airspace change	Overflights_Night	5	60.9	55300	26100	20	0	13	35	190
			10	29.2	27600	13100	13	0	4	12	45



Noise Contour Data

Scenario: With airspace change

Metric: LAEQ16HR



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	LAEQ16HR	51	41.1	64400	30400	33	0	14	30	83
			54	22.0	27800	13200	10	0	6	16	32
			57	11.8	8000	3700	2	0	0	3	11
			60	5.9	1600	800	0	0	0	2	4
			63	3.1	<100	<100	0	0	0	0	0
			66	1.8	0	0	0	0	0	0	0
			69	1.0	0	0	0	0	0	0	0
2036	With airspace change	LAEQ16HR	51	43.9	71000	33500	38	0	15	31	88
			54	23.5	31600	15000	12	0	7	17	40
			57	12.6	9800	4600	3	0	0	5	14
			60	6.3	1800	900	0	0	0	2	4
			63	3.3	<100	<100	0	0	0	0	0
			66	1.9	0	0	0	0	0	0	0
			69	1.1	0	0	0	0	0	0	0



Noise Contour Data

Scenario: With airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	LAEQ8HR	45	66.3	92800	43700	45	0	21	47	111
			48	34.2	53100	25300	24	0	12	23	58
			51	18.3	19500	9600	6	0	5	10	24
			54	9.3	2800	1300	0	0	0	2	6
			55	7.4	1400	700	0	0	0	2	5
			57	4.8	<100	<100	0	0	0	1	3
			60	2.8	<100	<100	0	0	0	0	0
			63	1.6	0	0	0	0	0	0	0
2036	With airspace change	LAEQ8HR	45	70.4	96900	45700	46	0	21	51	129
			48	36.6	56900	26900	29	0	12	24	61
			51	19.5	22200	10800	6	0	5	12	25
			54	10.0	3300	1600	0	0	0	2	6
			55	7.9	1700	900	0	0	0	2	5
			57	5.1	100	100	0	0	0	1	3
			60	2.9	<100	<100	0	0	0	0	0
			63	1.7	<100	<100	0	0	0	0	0

Noise Contour Data

Scenario: With airspace change

Metric: N65



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	N65	5	174.5	147700	70500	59	0	36	81	453
			10	107.6	116100	54800	54	0	25	61	257
			20	69.6	93000	43700	50	0	21	47	160
			50	36.7	52100	24400	20	0	12	28	85
			100	10.1	9800	4600	3	0	0	5	15
			200	0.6	0	0	0	0	0	0	0
2036	With airspace change	N65	5	181.1	151200	72200	59	0	37	82	490
			10	112.5	120000	56800	54	0	25	62	267
			20	72.1	95700	44900	50	0	21	48	163
			50	38.7	55700	26200	22	0	13	30	87
			100	12.7	15500	7100	3	0	1	7	19
			200	1.1	0	0	0	0	0	0	0



Noise Contour Data

Scenario: With airspace change

Metric: N60



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	N60	5	121.6	140800	67900	61	0	28	79	363
			10	57.6	95800	45500	48	0	21	49	116
			20	11.6	3100	1400	1	0	0	0	6
2036	With airspace change	N60	5	126.6	143500	69200	61	0	28	79	369
			10	63.5	100300	47700	50	0	22	50	124
			20	13.6	4500	2200	6	0	0	1	6



Noise Contour Data

Scenario: With airspace change

Metric: Overflights_Day

Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	Overflights_Day	5	568	435600	205300	189	3	87	244	1232
			10	340.9	231700	106000	102	0	59	135	788
			20	156.9	113500	51900	43	0	32	55	308
			50	41.5	34000	16100	13	0	5	17	67
			100	2.7	4100	1900	1	0	0	1	1
2036	With airspace change	Overflights_Day	5	611.2	476100	225000	206	3	91	283	1436
			10	358.5	247400	113300	108	0	61	141	801
			20	169.2	120600	55300	48	0	33	61	377
			50	51.2	44000	20600	15	0	7	19	74
			100	5.1	7000	3200	2	0	0	1	5

Noise Contour Data

Scenario: With airspace change

Metric: Overflights_Night



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of care homes	Number of places of worship	Number of listed buildings
2027	With airspace change	Overflights_Night	5	90.7	64600	30200	22	0	15	25	92
			10	9.1	15900	7900	6	0	4	8	16
2036	With airspace change	Overflights_Night	5	98.5	70800	32800	26	0	15	28	100
			10	11.2	18300	9000	8	0	4	9	17
			20	<0.1	0	0	0	0	0	0	0



Tranquility Data

Scenario: Without airspace change

Metric: LAEQ16HR

Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	LAEQ16HR	51	0	0	0	0	4	1.0	0	0	0	0	6	0.1
			54	0	0	0	0	2	0.1	0	0	0	0	4	0.1
			57	0	0	0	0	1	<0.1	0	0	0	0	3	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
			66	0	0	0	0	0	0	0	0	0	0	1	<0.1
			69	0	0	0	0	0	0	0	0	0	0	0	0
2027	Without airspace change	LAEQ16HR	51	0	0	0	0	4	1.2	0	0	1	<0.1	10	0.1
			54	0	0	0	0	2	0.1	0	0	0	0	5	0.1
			57	0	0	0	0	1	<0.1	0	0	0	0	3	<0.1
			60	0	0	0	0	0	0	0	0	0	0	3	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
			66	0	0	0	0	0	0	0	0	0	0	1	<0.1
			69	0	0	0	0	0	0	0	0	0	0	0	0
2036	Without airspace change	LAEQ16HR	51	0	0	0	0	5	1.3	0	0	1	0.1	10	0.1
			54	0	0	0	0	3	0.2	0	0	0	0	5	0.1
			57	0	0	0	0	1	0.1	0	0	0	0	3	<0.1
			60	0	0	0	0	0	0	0	0	0	0	3	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
			66	0	0	0	0	0	0	0	0	0	0	1	<0.1
			69	0	0	0	0	0	0	0	0	0	0	1	<0.1

Tranquility Data

Scenario: Without airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	LAEQ8HR	45	0	0	0	0	7	1.5	0	0	1	0.1	13	0.2
			48	0	0	0	0	4	0.8	0	0	0	0	6	0.1
			51	0	0	0	0	2	0.1	0	0	0	0	3	<0.1
			54	0	0	0	0	0	0	0	0	0	0	3	<0.1
			55	0	0	0	0	0	0	0	0	0	0	1	<0.1
			57	0	0	0	0	0	0	0	0	0	0	1	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
2027	Without airspace change	LAEQ8HR	45	0	0	0	0	7	1.6	0	0	1	0.2	14	0.2
			48	0	0	0	0	4	1.0	0	0	0	0	7	0.1
			51	0	0	0	0	2	0.1	0	0	0	0	3	0.1
			54	0	0	0	0	0	0	0	0	0	0	3	<0.1
			55	0	0	0	0	0	0	0	0	0	0	3	<0.1
			57	0	0	0	0	0	0	0	0	0	0	1	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
2036	Without airspace change	LAEQ8HR	45	0	0	0	0	7	1.7	0	0	1	0.2	15	0.2
			48	0	0	0	0	4	1.1	0	0	0	0	7	0.1
			51	0	0	0	0	2	0.1	0	0	0	0	3	0.1
			54	0	0	0	0	0	0	0	0	0	0	3	<0.1
			55	0	0	0	0	0	0	0	0	0	0	3	<0.1
			57	0	0	0	0	0	0	0	0	0	0	1	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1

Tranquility Data

Scenario: Without airspace change

Metric: N65

Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	N65	5	0	0	0	0	12	2.3	2	0.1	1	0.9	24	0.6
			10	0	0	0	0	9	1.9	0	0	1	0.4	18	0.3
			20	0	0	0	0	6	1.5	0	0	1	0.3	12	0.1
			50	0	0	0	0	4	0.8	0	0	1	<0.1	7	0.1
			100	0	0	0	0	0	0	0	0	0	0	1	<0.1
2027	Without airspace change	N65	5	0	0	0	0	13	2.5	2	0.4	1	1.0	27	0.7
			10	0	0	0	0	10	2.1	1	0.1	1	0.4	19	0.4
			20	0	0	0	0	7	1.7	0	0	1	0.3	14	0.1
			50	0	0	0	0	5	0.9	0	0	1	0.1	10	0.1
			100	0	0	0	0	1	0.1	0	0	0	0	3	<0.1
			200	0	0	0	0	0	0	0	0	0	0	0	0
2036	Without airspace change	N65	5	0	0	0	0	13	2.6	2	0.5	1	1.2	28	0.7
			10	0	0	0	0	10	2.1	1	0.1	1	0.5	19	0.4
			20	0	0	0	0	7	1.8	0	0	1	0.3	14	0.2
			50	0	0	0	0	5	1.0	0	0	1	0.1	10	0.1
			100	0	0	0	0	2	0.1	0	0	0	0	4	0.1
			200	0	0	0	0	0	0	0	0	0	0	1	<0.1

Tranquility Data

Scenario: Without airspace change

Metric: N60



Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	N60	5	0	0	0	0	11	2.4	1	0.5	1	0.6	24	0.5
			10	0	0	0	0	6	1.6	1	<0.1	1	0.2	12	0.1
			20	0	0	0	0	0	0	0	0	0	0	1	<0.1
2027	Without airspace change	N60	5	0	0	0	0	11	2.5	2	0.7	1	0.7	24	0.4
			10	0	0	0	0	7	1.8	0	0	1	0.4	14	0.1
			20	0	0	0	0	0	0	0	0	0	0	1	<0.1
2036	Without airspace change	N60	5	0	0	0	0	11	2.6	2	0.8	1	0.7	24	0.5
			10	0	0	0	0	8	1.8	1	<0.1	1	0.5	16	0.2
			20	0	0	0	0	0	0	0	0	0	0	1	<0.1



Tranquility Data

Scenario: Without airspace change

Metric: Overflights_Day

Year	Scen.	Metric	Contour	NSA		National Parks		CQA		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	Overflights_Day	5	0	0	0	0	22	8.5	5	13.4	8	8.8	72	1.6
			10	0	0	0	0	15	4.6	4	9.3	4	4.4	30	0.7
			20	0	0	0	0	12	2.2	2	3.7	2	0.6	16	0.3
			50	0	0	0	0	5	0.7	0	0	1	0.1	6	<0.1
2027	Without airspace change	Overflights_Day	5	0	0	0	0	26	10.1	5	14.2	10	9.7	81	2.1
			10	0	0	0	0	18	5.5	5	9.9	4	4.2	43	0.9
			20	0	0	0	0	13	2.8	3	6.2	2	0.4	23	0.5
			50	0	0	0	0	5	1.0	0	0	1	0.1	7	<0.1
			100	0	0	0	0	2	0.3	0	0	0	0	0	0
2036	Without airspace change	Overflights_Day	5	0	0	0	0	27	10.3	5	14.3	11	10.7	86	2.2
			10	0	0	0	0	18	7.0	5	11.5	4	5.0	48	1.0
			20	0	0	0	0	13	3.1	3	6.7	2	0.7	23	0.6
			50	0	0	0	0	5	1.0	0	0	1	0.1	7	<0.1
			100	0	0	0	0	2	0.4	0	0	0	0	3	<0.1

Tranquility Data

Scenario: Without airspace change

Metric: Overflights_Night



Year	Scen.	Metric	Contour	NSA		National Parks		CQA		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	Overflights_Night	5	0	0	0	0	5	1.1	0	0	1	0.1	6	0.1
			10	0	0	0	0	4	0.5	0	0	0	0	2	<0.1
2027	Without airspace change	Overflights_Night	5	0	0	0	0	5	1.2	1	<0.1	1	0.1	6	0.1
			10	0	0	0	0	4	0.9	0	0	0	0	4	<0.1
2036	Without airspace change	Overflights_Night	5	0	0	0	0	5	1.3	1	<0.1	1	0.2	8	0.1
			10	0	0	0	0	4	1.0	0	0	1	<0.1	6	<0.1



Tranquility Data

Scenario: With airspace change

Metric: LAEQ16HR



Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	LAEQ16HR	51	0	0	0	0	5	0.8	0	0	1	<0.1	8	0.1
			54	0	0	0	0	2	0.1	0	0	0	0	4	0.1
			57	0	0	0	0	1	<0.1	0	0	0	0	3	<0.1
			60	0	0	0	0	0	0	0	0	0	0	3	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
			66	0	0	0	0	0	0	0	0	0	0	1	<0.1
			69	0	0	0	0	0	0	0	0	0	0	0	0
2036	With airspace change	LAEQ16HR	51	0	0	0	0	5	0.9	0	0	1	0.1	9	0.1
			54	0	0	0	0	3	0.1	0	0	0	0	4	0.1
			57	0	0	0	0	1	0.1	0	0	0	0	3	<0.1
			60	0	0	0	0	0	0	0	0	0	0	3	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
			66	0	0	0	0	0	0	0	0	0	0	1	<0.1
			69	0	0	0	0	0	0	0	0	0	0	1	<0.1



Tranquility Data

Scenario: With airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	LAEQ8HR	45	0	0	0	0	8	1.8	0	0	1	0.1	12	0.1
			48	0	0	0	0	3	0.5	0	0	0	0	7	0.1
			51	0	0	0	0	2	0.1	0	0	0	0	3	0.1
			54	0	0	0	0	0	0	0	0	0	0	3	<0.1
			55	0	0	0	0	0	0	0	0	0	0	3	<0.1
			57	0	0	0	0	0	0	0	0	0	0	1	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1
2036	With airspace change	LAEQ8HR	45	0	0	0	0	8	2.1	1	<0.1	1	0.1	12	0.1
			48	0	0	0	0	4	0.6	0	0	0	0	7	0.1
			51	0	0	0	0	2	0.1	0	0	0	0	3	0.1
			54	0	0	0	0	0	0	0	0	0	0	3	<0.1
			55	0	0	0	0	0	0	0	0	0	0	3	<0.1
			57	0	0	0	0	0	0	0	0	0	0	1	<0.1
			60	0	0	0	0	0	0	0	0	0	0	1	<0.1
			63	0	0	0	0	0	0	0	0	0	0	1	<0.1

Tranquility Data

Scenario: With airspace change

Metric: N65

Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	N65	5	0	0	0	0	12	3.2	2	1.3	2	1.3	30	0.6
			10	0	0	0	0	9	2.4	1	<0.1	1	0.4	20	0.3
			20	0	0	0	0	8	1.5	0	0	1	0.3	14	0.1
			50	0	0	0	0	4	0.7	0	0	1	0.1	7	0.1
			100	0	0	0	0	1	0.1	0	0	0	0	3	0.1
			200	0	0	0	0	0	0	0	0	0	0	0	0
2036	With airspace change	N65	5	0	0	0	0	13	3.3	2	1.4	2	1.4	31	0.6
			10	0	0	0	0	9	2.6	1	0.1	1	0.4	21	0.3
			20	0	0	0	0	9	1.6	0	0	1	0.3	15	0.1
			50	0	0	0	0	4	0.7	0	0	1	0.1	8	0.1
			100	0	0	0	0	2	0.1	0	0	0	0	4	0.1
			200	0	0	0	0	0	0	0	0	0	0	1	<0.1

Tranquility Data

Scenario: With airspace change

Metric: N60



Year	Scenario	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	N60	5	0	0	0	0	11	2.7	1	0.1	1	0.6	20	0.3
			10	0	0	0	0	6	1.3	0	0	1	0.3	13	0.1
			20	0	0	0	0	0	0	0	0	0	0	1	<0.1
2036	With airspace change	N60	5	0	0	0	0	11	2.8	2	0.2	1	0.6	22	0.4
			10	0	0	0	0	6	1.4	0	0	1	0.4	14	0.1
			20	0	0	0	0	0	0	0	0	0	0	1	<0.1



Tranquility Data

Scenario: With airspace change

Metric: Overflights_Day



Year	Scen.	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	Overflights_Day	5	0	0	1	1.7	26	7.5	5	11.9	9	9.2	76	1.8
			10	0	0	1	0.3	13	3.9	5	10.3	4	4.4	40	0.7
			20	0	0	0	0	11	2.6	3	5.3	1	0.2	19	0.4
			50	0	0	0	0	7	0.7	1	1.4	1	0.1	8	0.1
			100	0	0	0	0	2	0.3	0	0	0	0	0	0
2036	With airspace change	Overflights_Day	5	0	0	1	2.7	28	7.9	5	12.0	9	9.8	78	1.9
			10	0	0	1	0.5	15	4.3	5	10.5	4	4.7	46	0.8
			20	0	0	0	0	11	2.7	3	5.9	2	0.3	20	0.5
			50	0	0	0	0	7	0.8	1	1.8	1	0.1	12	0.2
			100	0	0	0	0	2	0.4	0	0	0	0	2	<0.1



Tranquility Data

Scenario: With airspace change

Metric: Overflights_Night



Year	Scen.	Metric	Contour	National Scenic Area		National Parks		Candidate Quiet Area		Country Parks		Gardens and Designated Landscapes		SAMs	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	Overflights_Night	5	0	0	0	0	10	1.6	2	1.7	1	0.1	13	0.2
			10	0	0	0	0	3	0.3	0	0	0	0	2	<0.1
2036	With airspace change	Overflights_Night	5	0	0	0	0	10	1.7	2	1.9	1	0.1	13	0.3
			10	0	0	0	0	3	0.4	0	0	0	0	2	<0.1
			20	0	0	0	0	0	0	0	0	0	0	0	0



Biodiversity Data

Scenario: Without airspace change

Metric: LAEQ16HR

Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	LAEQ16HR	51	1	0.5	0	0	1	0.5	0	0	0	0	3	0.3
			54	1	0.2	0	0	1	0.2	0	0	0	0	3	0.2
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			66	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
			69	0	0	0	0	0	0	0	0	0	0	0	0
2027	Without airspace change	LAEQ16HR	51	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			54	1	0.4	0	0	1	0.4	0	0	0	0	3	0.2
			57	1	0.1	0	0	1	0.1	0	0	0	0	2	0.1
			60	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			66	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
			69	0	0	0	0	0	0	0	0	0	0	0	0
2036	Without airspace change	LAEQ16HR	51	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			54	1	0.4	0	0	1	0.4	0	0	0	0	3	0.3
			57	1	0.1	0	0	1	0.1	0	0	0	0	2	0.1
			60	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			66	1	<0.1	0	0	1	<0.1	0	0	0	0	1	0
			69	0	0	0	0	0	0	0	0	0	0	0	0

Biodiversity Data

Scenario: Without airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	LAEQ8HR	45	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.4
			48	1	0.5	0	0	1	0.5	0	0	0	0	3	0.3
			51	1	0.2	0	0	1	0.2	0	0	0	0	2	0.1
			54	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			55	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
2027	Without airspace change	LAEQ8HR	45	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.4
			48	1	0.5	0	0	1	0.5	0	0	0	0	3	0.3
			51	1	0.3	0	0	1	0.3	0	0	0	0	2	0.1
			54	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			55	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
2036	Without airspace change	LAEQ8HR	45	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.4
			48	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			51	1	0.3	0	0	1	0.3	0	0	0	0	3	0.1
			54	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			55	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0

Biodiversity Data

Scenario: Without airspace change

Metric: N65



Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	N65	5	2	0.7	0	0	6	1.1	1	0.1	0	0	3	0.6
			10	2	0.6	0	0	3	0.7	1	0.1	0	0	3	0.5
			20	1	0.6	0	0	1	0.6	0	0	0	0	3	0.4
			50	1	0.5	0	0	1	0.5	0	0	0	0	3	0.3
			100	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
2027	Without airspace change	N65	5	2	0.7	0	0	7	1.9	1	0.2	0	0	3	0.6
			10	2	0.6	0	0	4	0.9	1	0.1	0	0	3	0.5
			20	1	0.6	0	0	1	0.6	0	0	0	0	3	0.4
			50	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			100	1	0.2	0	0	1	0.2	0	0	0	0	3	0.1
			200	0	0	0	0	0	0	0	0	0	0	0	0
2036	Without airspace change	N65	5	2	0.8	0	0	7	2.1	1	0.2	0	0	3	0.6
			10	2	0.7	0	0	4	1.0	1	0.1	0	0	3	0.5
			20	1	0.6	0	0	2	0.6	0	0	0	0	3	0.4
			50	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			100	1	0.2	0	0	1	0.2	0	0	0	0	3	0.2
			200	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0

Biodiversity Data

Scenario: Without airspace change

Metric: N60



Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	N60	5	2	0.8	0	0	5	1.9	1	0.3	0	0	3	0.5
			10	1	0.6	0	0	1	0.6	0	0	0	0	3	0.4
			20	1	0.3	0	0	1	0.3	0	0	0	0	1	<0.1
2027	Without airspace change	N60	5	2	0.9	0	0	5	2.4	1	0.3	0	0	3	0.5
			10	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.4
			20	1	0.5	0	0	1	0.5	0	0	0	0	1	<0.1
2036	Without airspace change	N60	5	2	0.9	0	0	5	2.8	1	0.3	0	0	3	0.5
			10	2	0.6	0	0	2	0.6	1	0.1	0	0	3	0.4
			20	1	0.6	0	0	1	0.6	0	0	0	0	1	<0.1



Biodiversity Data

Scenario: Without airspace change

Metric: Overflights_Day

Year	Scen.	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	Overflights_Day	5	1	<0.1	4	1.5	23	9.4	0	0	1	1.5	8	3.6
			10	0	0	2	0.4	9	3.4	0	0	1	0.6	7	2.4
			20	0	0	0	0	4	0.8	0	0	0	0	5	0.9
			50	0	0	0	0	0	0	0	0	0	0	2	0.2
2027	Without airspace change	Overflights_Day	5	2	0.1	5	2.7	28	12.7	1	0.1	1	1.5	14	4.6
			10	1	<0.1	3	0.5	14	4.7	0	0	1	0.1	8	2.8
			20	0	0	0	0	5	1.5	0	0	0	0	7	1.3
			50	0	0	0	0	0	0	0	0	0	0	2	0.2
			100	0	0	0	0	0	0	0	0	0	0	2	<0.1
2036	Without airspace change	Overflights_Day	5	2	0.3	5	2.8	29	13.3	1	0.3	1	1.5	14	5.0
			10	1	<0.1	4	0.6	17	6.0	0	0	1	0.3	8	3.0
			20	0	0	0	0	6	1.7	0	0	0	0	7	1.5
			50	0	0	0	0	0	0	0	0	0	0	2	0.2
			100	0	0	0	0	0	0	0	0	0	0	2	0.1

Biodiversity Data

Scenario: Without airspace change

Metric: Overflights_Night



Year	Scen.	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2022	Without airspace change	Overflights_Night	5	0	0	0	0	1	0.1	0	0	0	0	3	0.2
			10	0	0	0	0	0	0	0	0	0	0	2	0.1
2022	Without airspace change	Overflights_Night	5	0	0	0	0	1	<0.1	0	0	0	0	3	0.2
			10	0	0	0	0	0	0	0	0	0	0	2	0.1
2036	Without airspace change	Overflights_Night	5	0	0	0	0	2	<0.1	0	0	0	0	3	0.3
			10	0	0	0	0	0	0	0	0	0	0	2	0.1



Biodiversity Data

Scenario: With airspace change

Metric: LAEQ16HR



Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	LAEQ16HR	51	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			54	1	0.4	0	0	1	0.4	0	0	0	0	3	0.2
			57	1	0.1	0	0	1	0.1	0	0	0	0	2	0.1
			60	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			66	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
			69	0	0	0	0	0	0	0	0	0	0	0	0
2036	With airspace change	LAEQ16HR	51	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			54	1	0.4	0	0	1	0.4	0	0	0	0	3	0.2
			57	1	0.1	0	0	1	0.1	0	0	0	0	2	0.1
			60	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			66	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
			69	0	0	0	0	0	0	0	0	0	0	0	0

Biodiversity Data

Scenario: With airspace change

Metric: LAEQ8HR

Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	LAEQ8HR	45	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.5
			48	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			51	1	0.3	0	0	1	0.3	0	0	0	0	2	0.1
			54	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			55	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0
2036	With airspace change	LAEQ8HR	45	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.5
			48	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			51	1	0.3	0	0	1	0.3	0	0	0	0	2	0.1
			54	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			55	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			57	1	0.1	0	0	1	0.1	0	0	0	0	1	<0.1
			60	1	<0.1	0	0	1	<0.1	0	0	0	0	1	<0.1
			63	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0

Biodiversity Data

Scenario: With airspace change

Metric: N65



Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	N65	5	2	0.7	0	0	10	2.7	1	0.2	0	0	3	0.6
			10	2	0.6	0	0	4	0.8	1	0.1	0	0	3	0.5
			20	1	0.6	0	0	1	0.6	0	0	0	0	3	0.4
			50	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			100	1	0.2	0	0	1	0.2	0	0	0	0	2	0.1
			200	0	0	0	0	0	0	0	0	0	0	0	0
2036	With airspace change	N65	5	2	0.7	0	0	10	2.9	1	0.2	0	0	3	0.6
			10	2	0.6	0	0	4	0.8	1	0.1	0	0	3	0.5
			20	1	0.6	0	0	1	0.6	0	0	0	0	3	0.4
			50	1	0.6	0	0	1	0.6	0	0	0	0	3	0.3
			100	1	0.3	0	0	1	0.3	0	0	0	0	3	0.2
			200	1	<0.1	0	0	1	<0.1	0	0	0	0	0	0



Biodiversity Data

Scenario: With airspace change

Metric: N60



Year	Scenario	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	N60	5	2	0.9	0	0	3	1.0	1	0.3	0	0	3	0.5
			10	2	0.6	0	0	2	0.6	1	<0.1	0	0	3	0.4
			20	1	0.5	0	0	1	0.5	0	0	0	0	1	<0.1
2036	With airspace change	N60	5	2	0.9	0	0	3	1.1	1	0.3	0	0	3	0.5
			10	2	0.6	0	0	2	0.6	1	0.1	0	0	3	0.4
			20	1	0.6	0	0	1	0.6	0	0	0	0	1	<0.1

Biodiversity Data

Scenario: With airspace change

Metric: Overflights_Day



Year	Scen.	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	Overflights_Day	5	3	2.8	4	1.8	28	11.5	1	2.1	1	1.3	11	4.8
			10	1	<0.1	3	1.3	18	6.3	0	0	1	0.7	7	3.0
			20	0	0	0	0	10	1.9	0	0	0	0	7	1.7
			50	0	0	0	0	2	0.3	0	0	0	0	4	0.2
			100	0	0	0	0	0	0	0	0	0	0	2	<0.1
2036	With airspace change	Overflights_Day	5	3	5.4	4	1.8	30	14.6	1	3.5	1	1.4	12	5.0
			10	1	<0.1	3	1.3	18	6.5	0	0	1	0.8	9	3.4
			20	0	0	0	0	10	2.1	0	0	0	0	7	1.8
			50	0	0	0	0	2	0.3	0	0	0	0	4	0.4
			100	0	0	0	0	0	0	0	0	0	0	2	<0.1



Biodiversity Data

Scenario: With airspace change

Metric: Overflights_Night



Year	Scen.	Metric	Contour	SPA		SAC		SSSI		RAMSAR		National Nature Reserves		Local Nature Reserves	
				Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)	Total	Area (km2)
2027	With airspace change	Overflights_Night	5	0	0	0	0	4	0.3	0	0	0	0	5	0.3
			10	0	0	0	0	0	0	0	0	0	0	2	<0.1
2036	With airspace change	Overflights_Night	5	0	0	0	0	4	0.4	0	0	0	0	5	0.4
			10	0	0	0	0	0	0	0	0	0	0	2	0.1
			20	0	0	0	0	0	0	0	0	0	0	0	0



100% Runway 05 Mode

Scenario: With airspace change

Metric: LAEQ16HR



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	LAEQ16HR	51	51	44.6	76600	36000	34	0
			54	54	24.5	38700	18000	22	0
			57	57	12.5	12000	5700	3	0
			60	60	6.4	1000	500	0	0
			63	63	3.4	<100	<100	0	0
			66	66	1.8	0	0	0	0
			69	69	1.0	0	0	0	0



100% Runway 05 Mode

Scenario: With airspace change

Metric: LAEQ8HR



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	LAEQ8HR	45	73.8	109600	52000	50	0	58
			48	39.2	68900	32100	33	0	34
			51	19.6	34400	15800	17	0	19
			54	10.1	7800	3800	1	0	6
			55	8.0	3700	1900	1	0	5
			57	5.2	100	<100	0	0	1
			60	3.0	<100	<100	0	0	0
			63	1.7	0	0	0	0	0



100% Runway 05 Mode

Scenario: With airspace change

Metric: Overflights_Day



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	Overflights_Day	5	541.6	325900	155900	135	10	195
			10	340.4	191000	88800	79	7	100
			20	193.0	96300	43500	42	0	49
			50	70.6	48700	21900	25	0	29
			100	13.2	7700	3600	5	0	7



100% Runway 05 Mode

Scenario: With airspace change

Metric: Overflights_Night



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	Overflights_Night	5	119.5	86900	39300	42	3	49
			10	25.7	33200	14800	14	0	23
			20	1.7	3900	1900	0	0	2



100% Runway 23 Mode

Scenario: With airspace change

Metric: LAEQ16HR



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	LAEQ16HR	51	43.8	64800	30700	27	0	30
			54	23.9	33800	16200	11	0	19
			57	12.8	9900	4500	3	0	3
			60	6.4	2100	1000	0	0	2
			63	3.4	<100	<100	0	0	1
			66	1.8	0	0	0	0	0
			69	1.0	0	0	0	0	0



100% Runway 23 Mode

Scenario: With airspace change

Metric: LAEQ8HR



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	LAEQ8HR	45	71.1	80700	38100	36	0	37
			48	38.0	54300	25900	22	0	23
			51	20.0	24900	12200	11	0	12
			54	10.2	3000	1400	0	0	2
			55	8.1	1600	800	0	0	2
			57	5.2	100	100	0	0	1
			60	3.0	<100	<100	0	0	0
			63	1.7	0	0	0	0	0



100% Runway 23 Mode

Scenario: With airspace change

Metric: Overflights_Day



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	Overflights_Day	5	553.7	511300	241600	213	3	311
			10	347.3	291000	134700	119	1	157
			20	202.1	140200	64900	62	0	74
			50	67.4	64300	29500	23	0	26
			100	11.3	10100	4700	2	0	1



100% Runway 23 Mode

Scenario: With airspace change

Metric: Overflights_Night



Year	Scenario	Metric	Contour	Area (km2)	Total population	Total households	Number of schools	Number of hospitals	Number of places of worship
2036	With airspace change	Overflights_Night	5	134.8	96100	45300	40	0	51
			10	16.4	20900	10400	8	0	8
			20	2.2	3200	1600	1	0	1

