

Aberdeen Western Peripheral Route
Environmental Statement Appendices
Part B: Northern Leg
Appendix A15.1 - Baseline Noise Monitoring

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Summary of Long Term Monitoring

Site:	Survey Location:	Resident Details:	Noise Monitoring position:	Existing noise environment:	Long Term Average			Start Date/ Time		End Date/ Time	
					L _{Aeq,T(18hr)}	L _{A10(18hr)}	L _{A90(18hr)}				
1 Walton View	Bucksburn	1 Walton View Bucksburn, Aberdeen, AB21 9TL	On top of garage roof. 20 metres from local road.	Bird song, local traffic, aircraft very frequent, children playing nearby.	56.8	58.4	48.0	24/05/05	16:30	31/05/05	14:45
Strathbathie Cottages	Blackdog	1 Strathbathie Cottages, Hareburn Terrace, Blackdog, Aberdeen, AB23 8BE	In garden area located 20 metres away from houses. East of existing A90.	A90 road traffic dominates. Neighbours and children nearby in garden areas. Vehicles entering and leaving cul de sac. Bird song.	63.3	68.2	57.6	01/06/05	09:45	08/06/05	08:45
		2 Strathbathie Cottages, Hareburn Terrace, Blackdog, Aberdeen, AB23 8BE									
		3 Strathbathie Cottages, Hareburn Terrace, Blackdog, Aberdeen, AB23 8BE									
1 Sunnybank Cottages	Bucksburn	No.1 Sunnybank Cottage, Craibstone Estate, Bucksburn, Aberdeen, AB21 9ST	Grassy area 5 metres north of garden boundary. 50 metres away from local road.	Local road traffic, bird song, helicopters, vehicles entering and leaving driveways.	52.5	52.0	45.1	25/05/05	12:00	31/05/05	18:00
Tillybrig Cottage	Dyce	Tillybrig Cottage, Dyce, Aberdeen, AB21 0DP	In front garden, 10 metres from local road. Flight path for Aberdeen airport overhead.	Bird song, local traffic, aircraft very frequent.	64.7	59.0	38.9	25/05/05	18:00	01/06/05	09:30

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Site:	Survey Location:	Resident Details:	Noise Monitoring position:	Existing noise environment:	Long Term Average			Start Date/ Time		End Date/ Time	
					L _{Aeq,T(18hr)}	L _{A10(18hr)}	L _{A90(18hr)}				
Denburn of Cloghill	Kingswells	Denburn, Denhead of Cloghill, Kingswells, Aberdeen, AB15 8SA	Grassy area 5 metres south of house.	Kingswells road traffic, bird song, peacock calls, vehicles entering and leaving Livery Stud nearby.	51.0	49.6	41.0	25/05/05	13:00	31/05/05	08:15
Duffshill Farm	Duffshill	Duffshill Farm, Portlethen, Aberdeen, AB12 4RX	Garden area north of house close to fields.	Local road traffic, bird song, vehicles entering and leaving area, horses nearby.	44.3	46.4	38.4	01/06/05	16:00	08/06/05	14:45
The Grange at Foggieton	Countesswells	The Old Grange Foggieton, Baillieswells Road, Bieldside, Aberdeen, AB15 9BS	In garden area west of house.	Bird song. Vehicles entering and leaving driveway.	46.4	37.6	34.3	02/06/05	11:15	09/06/05	10:15
Hillhead Farm	Bieldside	Hillhead Farm, Hillhead Road, Aberdeen, AB15 9EL	In field opposite farmhouse. 50 meters away from local road.	Bird song. Local road traffic.	46.8	44.1	36.6	01/06/05	13:15	09/06/05	07:15
Newton of Countesswells Farm	Countesswells	Newton of Countesswells Farm, Aberdeen, AB15 8QB	At garden boundary east of house. 50 metres from local road.	Local road traffic, bird song, aircraft overhead.	49.5	51.4	42.9	25/05/05	17:00	01/06/05	10:45
The Barn - Westerton Farm	Blairs	Westerton Farm, Blairs, Aberdeen, AB12 5YQ	Field east of The Barn.	Local road traffic, bird song, sheep, farm vehicles entering and leaving area.	47.7	47.0	36.0	02/06/05	10:30	09/06/05	10:45

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Instrumentation Used During Long Term Measurement Periods

1 Walton View:
RION NL – 32 SLM (Serial Number 1141941)

Strathbathie Cottages:
RION NL – 32 SLM (Serial Number 841787)

1 Sunnybank Cottages:
RION NL – 32 SLM (Serial Number 341523)

Tillybrig Cottage:
RION NL – 32 SLM (Serial Number 341524)

Denburn of Cloghill:
RION NL – 32 SLM (Serial Number 741759)

Duffshill Farm:
RION NL – 32 SLM (Serial Number 341523)

The Grange at Foggieton:
RION NL – 32 SLM (Serial Number 341524)

Hillhead Farm:
RION NL – 32 SLM (Serial Number 841786)

Newton of Countesswells Farm:
RION NL – 32 SLM (Serial Number 841786)

The Barn - Westerton Farm:
RION NL – 32 SLM (Serial Number 1141941)
RION NC - 74 Calibrator
Serial Number 830793

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Summary of Short Term Monitoring

Site:	Survey Location:	Resident Details:	Noise Monitoring position:	Existing noise environment:	Short Term Average			Start Date/ Time		End Date/ Time		Meteorological conditions
					L _{Aeq,T(18hr)}	L _{A10(18hr)}	L _{A90(18hr)}					
Bogenjoss	Dyce	1 Bogenjoss, Dyce, AB21 0HE	3m south, 4.5m west of southern most point of house.	Air craft from nearby airfield, wind in surrounding trees.	47.2	47.3	42.3	19/07/06	12:44	19/07/06	16:42	Sunny, southerly wind no greater than 2.2m/s
Parkhill Cottage	Dyce	Parkhill Cottage, Dyce, AB12 0HQ	In field to the north of property, approximately 5m from façade.	Road traffic noise from A947, aircraft from nearby airfield.	48.5	50.7	44.7	19/07/06	13:51	19/07/06	17:48	Sunny, north north easterly wind no greater than 1.3m/s
The Emmerick	Dyce	The Emmerick, Dyce, AB21 7AT	In garden to the north of property, approximately 10.5m from façade.	Road traffic noise from B977, aircraft flying overhead and wind in surrounding trees.	52.1	53.5	45.4	19/07/06	14:37	20/07/06	10:42	Sunny, southerly wind no greater than 2.4m/s
1 Lochgreens Cottage	Dyce	1 Lochgreens Cottages, Dyce. AB21 7AS	In garden to the south of property, approximately 6.6m from façade.	Aircraft overhead and wind in surrounding trees.	47.0	47.5	37.9	19/07/06	15:23	20/07/06	09:59	Overcast, light, fine drizzle, south easterly wind no greater than 3.4m/s
Cranfield Lodge	Bridge of Don	Cranfield Lodge, Bridge of Don, AB23 8NR	At the entrance of a field, 7.5m from northern gable of the property, 2m from the edge of the road.	Road traffic noise from B999, aircraft and plant noise from nearby landfill site.	54.2	51.5	41.1	20/07/06	11:27	20/07/06	17:33	Overcast, easterly wind no greater than 3.3m/s

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Instrumentation Used During Short Term Measurements:

Brüel & Kjær Sound Analyser Type 2260 (Serial Number 2391258)

Brüel & Kjær Microphone Type 4189 (Serial Number 2470805)

Brüel & Kjær Sound Level Calibrator Type 4231 (Serial Number 2389067)

Brüel & Kjær Sound Analysis Software BZ 7206