



Table A5.2. Effective detection area (ha) of 12 call types for varying degrees of microphone sensitivity loss under 42 dBA noise conditions.

dBV Loss	LCSP	BAWW	SEWR	YERA	NESP	TICKIT	GRUNT	PERWEEP	WHINNY	OVEN	AMBI	PBGR
0	1.4	1.5	1.9	2.5	3.4	5.8	6.4	7.3	7.5	7.6	11.0	12.3
1	1.4	1.4	1.8	2.3	3.2	5.7	6.1	7.0	7.1	7.4	9.1	11.1
2	1.3	1.3	1.6	2.2	3.1	5.7	5.9	6.7	6.7	7.2	7.7	10.0
3	1.3	1.3	1.5	2.1	2.9	5.6	5.6	6.4	6.3	6.9	6.6	9.1
4	1.2	1.2	1.4	2.0	2.8	5.5	5.4	6.1	6.0	6.7	5.6	8.3
5	1.2	1.1	1.3	1.9	2.7	5.5	5.1	5.9	5.7	6.5	4.8	7.5
6	1.1	1.0	1.1	1.8	2.6	5.4	4.9	5.6	5.4	6.3	4.2	6.9
7	1.1	1.0	1.0	1.7	2.5	5.4	4.7	5.4	5.1	6.1	3.6	6.3
8	1.0	0.9	0.9	1.6	2.4	5.3	4.5	5.1	4.8	5.9	3.2	5.7
9	1.0	0.8	0.8	1.5	2.3	5.2	4.3	4.9	4.6	5.7	2.8	5.2
10	0.9	0.8	0.7	1.4	2.2	5.2	4.1	4.6	4.3	5.5	2.4	4.7
11	0.9	0.7	0.6	1.3	2.1	5.1	3.9	4.4	4.1	5.4	2.1	4.3
12	0.8	0.6	0.6	1.2	2.0	5.1	3.7	4.2	3.9	5.2	1.8	3.9
13	0.8	0.6	0.5	1.2	2.0	5.1	3.5	4.0	3.7	5.0	1.6	3.5
14	0.7	0.5	0.4	1.1	1.9	5.0	3.3	3.8	3.5	4.9	1.4	3.2
15	0.7	0.5	0.3	1.0	1.8	5.0	3.2	3.6	3.3	4.7	1.2	2.8
16	0.7	0.4	0.3	1.0	1.8	4.9	3.0	3.4	3.1	4.5	1.0	2.6
17	0.6	0.4	0.2	0.9	1.7	4.9	2.9	3.2	2.9	4.4	0.9	2.3
18	0.6	0.3	0.2	0.8	1.7	4.8	2.7	3.0	2.7	4.2	0.8	2.0
19	0.5	0.3	0.1	0.8	1.6	4.8	2.6	2.9	2.6	4.1	0.6	1.8
20	0.5	0.2	0.1	0.7	1.6	4.8	2.4	2.7	2.4	4.0	0.5	1.6

Table A5.3. Effective detection area (ha) of 12 call types for varying degrees of microphone sensitivity loss under 50 dBA noise conditions.

dBV Loss	LCSP	BAWW	SEWR	YERA	NESP	TICKIT	GRUNT	PERWEEP	WHINNY	OVEN	AMBI	PBGR
0	0.4	0.4	0.6	0.9	1.1	3.5	3.7	3.5	4.5	3.5	8.9	5.1
1	0.4	0.4	0.6	0.8	1.1	3.5	3.5	3.3	4.3	3.4	7.4	4.7
2	0.4	0.4	0.5	0.8	1.1	3.5	3.4	3.1	4.1	3.3	6.2	4.2
3	0.4	0.4	0.5	0.8	1.1	3.4	3.2	2.9	3.9	3.2	5.3	3.8
4	0.3	0.4	0.5	0.7	1.0	3.4	3.0	2.8	3.7	3.0	4.5	3.5
5	0.3	0.3	0.4	0.7	1.0	3.4	2.9	2.6	3.5	2.9	3.9	3.1
6	0.3	0.3	0.4	0.7	1.0	3.4	2.7	2.5	3.3	2.8	3.3	2.8
7	0.3	0.3	0.4	0.6	1.0	3.3	2.6	2.3	3.2	2.7	2.9	2.5
8	0.3	0.3	0.3	0.6	1.0	3.3	2.4	2.2	3.0	2.6	2.5	2.3
9	0.3	0.3	0.3	0.6	0.9	3.3	2.3	2.0	2.8	2.5	2.2	2.0
10	0.3	0.3	0.3	0.5	0.9	3.3	2.1	1.9	2.7	2.4	1.9	1.8
11	0.3	0.3	0.2	0.5	0.9	3.2	2.0	1.8	2.5	2.3	1.6	1.6
12	0.3	0.2	0.2	0.5	0.9	3.2	1.8	1.7	2.4	2.2	1.4	1.4
13	0.2	0.2	0.2	0.5	0.9	3.2	1.7	1.6	2.2	2.2	1.2	1.2
14	0.2	0.2	0.2	0.4	0.8	3.2	1.6	1.4	2.1	2.1	1.0	1.0
15	0.2	0.2	0.1	0.4	0.8	3.1	1.4	1.3	1.9	2.0	0.9	0.9
16	0.2	0.2	0.1	0.4	0.8	3.1	1.3	1.2	1.8	1.9	0.7	0.8
17	0.2	0.2	0.1	0.3	0.8	3.1	1.2	1.1	1.7	1.8	0.6	0.6
18	0.2	0.2	0.1	0.3	0.8	3.1	1.1	1.1	1.5	1.8	0.5	0.5
19	0.2	0.2	0.1	0.3	0.8	3.0	1.0	1.0	1.4	1.7	0.4	0.4
20	0.2	0.2	0.1	0.3	0.8	3.0	0.9	0.9	1.3	1.6	0.4	0.3



Table A5.5. Percent effective detection area loss of 12 call types for varying degrees of microphone sensitivity loss under 42 dBA noise conditions.

dBV Loss	LCSP	BAWW	SEWR	YERA	NESP	TICKIT	GRUNT	PERWEEP	WHINNY	OVEN	AMBI	PBGR
1	4	6	7	6	5	1	4	4	5	3	17	10
2	8	11	14	11	9	3	8	8	10	6	30	18
3	11	16	21	16	14	4	12	12	15	9	40	26
4	15	22	27	20	17	5	16	16	19	12	49	32
5	19	27	33	25	21	6	20	20	24	15	56	39
6	22	32	40	29	24	7	23	24	28	17	62	44
7	26	37	45	33	28	8	27	27	32	20	67	49
8	29	41	51	37	31	9	30	31	35	23	71	54
9	33	46	56	40	33	10	33	34	39	25	75	58
10	36	50	61	44	36	11	36	37	42	27	78	62
11	39	55	66	47	38	12	39	40	45	30	81	65
12	42	59	71	50	40	13	42	43	48	32	84	68
13	46	63	75	53	43	13	45	46	51	34	86	71
14	49	67	79	56	45	14	48	49	54	36	88	74
15	52	70	82	59	46	15	50	51	56	38	89	77
16	55	74	86	61	48	16	53	54	59	40	91	79
17	57	77	89	64	50	16	55	56	61	42	92	81
18	60	80	91	66	51	17	58	59	63	44	93	83
19	63	83	94	69	53	18	60	61	66	46	94	85
20	66	86	96	71	54	18	62	63	68	48	95	87

Table A5.6. Percent effective detection area loss of 12 call types for varying degrees of microphone sensitivity loss under 50 dBA noise conditions.

dBV Loss	LCSP	BAWW	SEWR	YERA	NESP	TICKIT	GRUNT	PERWEEP	WHINNY	OVEN	AMBI	PBGR
1	3	4	7	4	2	1	5	5	4	3	17	9
2	7	8	13	8	5	2	9	10	9	7	30	18
3	10	11	19	12	7	2	14	15	13	10	40	25
4	14	15	25	16	9	3	18	20	17	13	49	32
5	17	18	31	20	11	4	22	25	21	16	56	39
6	20	22	36	24	13	5	27	29	25	19	62	45
7	23	25	42	28	15	5	31	33	29	22	67	51
8	26	28	47	31	17	6	35	37	33	25	72	56
9	29	32	52	35	19	7	39	41	37	28	76	61
10	32	35	56	38	21	7	43	45	40	31	79	65
11	35	38	61	42	22	8	47	49	44	33	82	69
12	38	40	65	45	24	9	51	52	47	36	84	73
13	40	43	69	49	25	9	54	55	51	39	87	77
14	43	46	73	52	27	10	58	58	54	41	89	80
15	46	49	77	55	28	11	61	61	57	43	90	83
16	48	51	80	58	30	12	65	64	60	46	92	85
17	51	54	83	61	31	12	68	67	63	48	93	88
18	53	56	86	64	32	13	71	70	66	50	94	90
19	55	59	89	67	33	14	74	72	68	52	95	92
20	58	61	91	70	34	14	77	75	71	54	96	93