

## Appendix 2: Recommended amendments

### Definitions

<b>Audible bird scaring device</b>	<del>A noise emitting device</del> Gas guns and avian distress alarms used for the purpose of disturbing or scaring birds., <del>including gas guns and avian distress alarms.</del> It excludes firearms and vehicles used for that purpose. <sup>1</sup>
<b>LA90</b>	has the same meaning as the 'Background sound level' in New Zealand Standard 6801:2008 Acoustics - Measurement of Environmental Sound. <del>The background sound level in decibels equalled or exceeded for 90% of the measurement interval. It is the component of residual sound that subjectively is perceived as continuously present.</del> <sup>2</sup>
<b>LAEQ</b>	has the same meaning as 'time-average A-weighted sound pressure level' in New Zealand Standard 6801:2008 Acoustics -Measurement of Environmental Sound. <del>The time average A weighted sound pressure level 10 times to the logarithm, to the base of 10, of the ratio of the average of the square of the A-frequency weighted sound pressure over a specified period of time, to the square of the reference value (20 µPa).</del> <sup>3</sup>
<b>LAF(MAX)</b>	has the same meaning as the 'maximum A-frequency weighted, F-time weighted sound pressure level' in New Zealand Standard 6801:2008 Acoustics - Measurement Of Environmental Sound. <sup>4</sup> <del>The maximum A frequency weighted, F time weighted sound pressure level 10 times the logarithm, to the base of 10, of the ratio of the square of the maximum sound pressure obtained with a standardised A frequency weighting and F time weighting during a standard time period, to the square of the reference pressure (20 µPa). Lmax derived from measured short LEQ values of 100 to 125 milliseconds duration shall be taken as equivalent to Lmax.</del> <sup>5</sup>
<b>NOISE SENSITIVE ACTIVITY</b>	Any: <ul style="list-style-type: none"> <li>a. Residential activity</li> <li>b. Educational facility</li> <li>c. Visitor accommodation</li> <li>d. Hospital or health_care facility<sup>6</sup></li> </ul>

### Noise chapter

#### NOISE-Overview

NOISE-Overview
...
The objectives and policies for noise seek to control the levels of noise created by activities to limit the adverse effects of noise on character, amenity values, and human health, and to protect <u>some</u> <sup>7</sup> existing important infrastructure activities which generate elevated levels of noise from reverse sensitivity effects.
...

<sup>1</sup> 353.038 Hort NZ and 422.027 Federated Farmers

<sup>2</sup> Cl.16(2) amendment

<sup>3</sup> Cl.16(2) amendment

<sup>4</sup> Cl.16(2) amendment

<sup>5</sup> Cl.16(2) amendment

<sup>6</sup> 371.010 CIAL and cl.16(2) amendment to link to the 'health care facility' definition.

<sup>7</sup> 414.072 Kāinga Ora

Residential density Land use controls for noise sensitive activities within the Airport 50 dB Ldn Noise Control Overlay (which is the outer control boundary for aircraft noise in Greater Christchurch), including residential density within the Christchurch International Airport 50 dB Ldn Noise Control Overlays and acoustic mitigation requirements within the Airport 55 dB Ldn Noise Control Overlay is managed by the General Rural Zone chapter provisions.<sup>8</sup>

## NOISE-Objectives and Policies

NOISE-Objectives	
<b>NOISE-O1</b>	The health and wellbeing of people and communities and their amenity values are protected from <del>significant levels of noise</del> <u>adverse noise effects, consistent with the anticipated outcomes for the receiving environment.</u> <sup>9</sup>
NOISE-Policies	
<b>NOISE-P2</b>	Protect the State Highway and the designated railway network from reverse sensitivity effects by avoiding noise sensitive activities locating near to the State Highway or designated railway network unless specified noise and vibration limits are met or <del>physical</del> <sup>10</sup> noise mitigation <del>or insulation</del> <sup>11</sup> is incorporated.
<b>NOISE-P3</b>	Protect Christchurch International Airport from reverse sensitivity effects by: <u>a. avoiding residential activities on sites noise sensitive activities within the Airport 50 dB Ldn Noise Control Overlay that do not meet a density of one residential unit per four hectares within the Christchurch International Airport Noise Control Overlays, and</u> <u>b. requiring noise insulation mitigation for noise sensitive activities within the Christchurch International Airport 55dB Ldn Noise Control Overlay.</u> <sup>12</sup>
<b>NOISE-P4</b>	Protect port activities and industrial activities within the Port Zone, and the New Zealand Defence Force West Melton Rifle Range from reverse sensitivity effects by avoiding noise sensitive activities within the noise control overlay nearest to this <del>strategic</del> <u>important</u> infrastructure <sup>13</sup> , and requiring noise <del>insulation</del> <u>mitigation</u> <sup>14</sup> for noise sensitive activities within the outer noise control overlay.
<b>NOISE-P5</b>	Protect dairy processing activities within the Dairy Processing Zone from reverse sensitivity effects by requiring noise <del>insulation</del> <u>mitigation</u> <sup>15</sup> for noise sensitive activities within the noise control overlays, including additional acoustic design requirements for noise sensitive activities within the identified Inner Zone at the Synlait site only.

## NOISE-Rules

NOISE-R1	Activities not otherwise specified	
<b>All Zones</b>	<b>Activity status: PER</b> 1. Any land use activity not listed in NOISE-R1- <sup>16</sup> that generates noise, unless any of NOISE-R2 - NOISE-R16 applies  <b>Where this activity complies with the following rule requirements:</b>	<b>Activity Status when compliance not achieved:</b> 2. When compliance with any rule requirement is not

<sup>8</sup> 371.048 CIAL

<sup>9</sup> 367.075 Orion and 371.049 CIAL

<sup>10</sup> Cl.16(2) amendment

<sup>11</sup> 371.051 CIAL and consequential cl.16(2) amendment

<sup>12</sup> 371.051 CIAL

<sup>13</sup> 183.003 Adrian McFedries and 448.043 NZDF

<sup>14</sup> 371.051 CIAL and consequential cl.16(2) amendment

<sup>15</sup> 371.051 CIAL and consequential cl.16(2) amendment

<sup>16</sup> Cl.16(2) amendment

	NOISE-REQ1	achieved: Refer to NOISE – Rule requirements
<b>All Zones</b>	<b>Activity status:</b> PER 3. ... <u>6. Noise emitted by electricity generators and mobile equipment to supply important infrastructure subject to EI-R16.</u> <sup>17</sup> <u>7. Noise emitted by aircraft or helicopters subject to TEMP-R7.</u> <sup>18</sup>	...
<b>GRUZ</b>	<b>Activity Status:</b> PER <u>6.8. Rural production activities using equipment which is mobile or portable during its normal use, unless NOISE-R11 or NOISE-R12 apply.</u> <sup>19</sup> <u>9. Noise emitted by aircraft or helicopters subject to GRUZ-R27 or GRUZ-R28.</u> <sup>20</sup>	...
<b>SKIZ</b>	<b>Activity Status:</b> PER <u>10. Noise emitted by aircraft or helicopters subject to SKIZ-R14 or SKIZ-R15.</u> <sup>21</sup>	<b>Activity status when compliance not achieved:</b> N/A
<b>NOISE-R3</b>	<b>Noise Sensitive Activity within the State Highway and Railway Network Noise Control Overlays</b>	
<b>State Highway Noise Control Overlay</b>	<b>Activity status:</b> PER 1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity.  <b>Where:</b> <u>a. To manage noise in the outdoor environment, either:</u> <del>a.i.</del> <u>i.</u> There is a noise barrier consisting of a solid building, fence, wall or landform at least 3m high which blocks the line-of-sight to the state highway road surface from all points 1.5m above ground level within the notional boundary of any new building and/or addition to any existing building; or <del>b.ii.</del> <u>ii.</u> External road noise levels are less than 57 dB LAeq (24h) at all points 1.5m above ground level within the notional boundary of any new building and/or addition to an existing building. <sup>22</sup> ...	<b>Activity status when compliance not achieved:</b> 2. When compliance with any of NOISE-R3.1.a.i. or NOISE-R3.1.a.ii <del>b.</del> is not achieved: DIS
<b>State Highway Noise Control Overlay</b>  <b>Railway Network Noise</b>	<b>Activity status:</b> PER 3. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity  <b>Where:</b> a. <u>To manage noise in the indoor environment, the building is:</u> <u>i.</u> at least 50m from any state highway or railway network, and <u>ii. either:</u> <u>1. ii.</u> is designed so that a noise barrier consisting of a solid building, fence, wall or landform blocks the line-of-sight from	...

<sup>17</sup> 367.078 Orion

<sup>18</sup> 207.048 SDC

<sup>19</sup> 343.064 CDHB

<sup>20</sup> 207.048 SDC

<sup>21</sup> 207.048 SDC

<sup>22</sup> 207.049 SDC

<b>Control Overlay</b>	<p>all parts of doors and windows to the state highway road surface and/or to all points above 3.8m of the railway tracks; or</p> <p><del>2. iii. The building</del> is designed, constructed and maintained to achieve indoor design noise levels not exceeding the maximum values in NOISE-TABLE1 – Road and Railway Indoor Design Noise Levels.</p> <p>...</p> <p>d. Any building that is <del>closer than 40m to any state highway boundary or</del> closer than 60m to any railway network, shall be designed, constructed and maintained to achieve <del>road and rail</del> vibration limits not exceeding 0.3mm/s (Class C criterion Maximum Weighted Velocity, Vw,95).</p> <p>e. Compliance with the relevant provisions of <del>NOISE-R3.5.a.ii, NOISE-R3.3.a.ii.2, NOISE-R3.5.b, NOISE-R3.3b, NOISE-R3.5.c, NOISE-R3.3c, and NOISE-R3.5.d. NOISE-R3.3d</del> shall be demonstrated by way of a design report prepared by a suitably qualified acoustic specialist and submitted to the Council with the application for the relevant building consent. In the design report:</p> <p>i. railway noise shall be assumed to be 70 LAeq(1h) at a distance of 12m from the railway network and shall be deemed to reduce at a rate of 3 dB per doubling of distance up to 40m and 6 dB per doubling of distance beyond 40m; and</p> <p>ii. road noise shall be based on measured or predicted noise limits plus 3 dB<sup>23</sup></p> <p>...</p>	
<b>NOISE-R4</b>  <b>Christchurch International Airport 55 dB Ldn Noise Control Overlay<sup>25</sup></b>	<p><b>Noise Sensitive Activity within the Christchurch International Airport 55 dB Ldn Noise Control Overlays<sup>24</sup></b></p> <p><b>Activity status:</b> PER</p> <p>1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity</p> <p><b>Where:</b></p> <p>a. The building is insulated from aircraft noise and designed to comply with the indoor design sound limits specified in NOISE-TABLE2 Indoor Design Noise Levels, Christchurch International Airport 55 db Ldn Noise Control Overlay; <sup>26</sup> and</p> <p>b. Where windows need to be closed to achieve the internal noise levels specified in NOISE-R4.1.a., an alternative ventilation system shall be provided which <del>satisfies clause G4 of the New Zealand Building Code.</del> <u>for habitable rooms:</u></p> <p><u>i. provides mechanical ventilation to satisfy clause G4 of the New Zealand Building Code; and</u></p> <p><u>ii. is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and</u></p> <p><u>iii. provides relief for equivalent volumes of spill air; and</u></p> <p><u>iv. provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</u></p>	<p>...</p>

<sup>23</sup> 207.050 SDC

<sup>24</sup> 371.052 CIAL

<sup>25</sup> 371.052 CIAL

<sup>26</sup> 371.052 CIAL

	v. does not generate more than 35 dB LAeq(30s) when measured 1m away from any grille or diffuser. <sup>27</sup> ...	
	<b>NOISE-TABLE2 - Indoor Design Noise Levels, Christchurch International Airport 55 dB Ldn Noise Control Overlay<sup>28</sup></b> ...	
<b>NOISE-R5</b>	<b>Noise Sensitive Activity within the Port Zone Noise Control Overlays</b>	
<b>Port Zone 45 dB LAeq Noise Control Overlay</b>	<b>Activity status:</b> PER 1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity  <b>Where:</b> a. The building is designed and constructed to ensure that the following indoor design noise levels are not exceeded: 35dB LAeq (15min) inside bedrooms; 40dB LAeq (15min) <sup>29</sup> inside any other habitable room, except for bedrooms. b. Where windows need to be closed to achieve the internal noise levels specified in NOISE-R5.1.a, an alternative ventilation system shall be provided which <del>satisfies clause G4 of the New Zealand Building Code.</del> for habitable rooms: <u>i. provides mechanical ventilation to satisfy clause G4 of the New Zealand Building Code; and</u> <u>ii. is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and</u> <u>iii. provides relief for equivalent volumes of spill air; and</u> <u>iv. provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</u> v. does not generate more than 35 dB LAeq(30s) when measured 1m away from any grille or diffuser. <sup>30</sup> ...	...
<b>NOISE-R6</b>	<b>Noise Sensitive Activity within the Dairy Processing Zone Noise Control Overlay</b>	
<b>Dairy Processing Zone Noise Control Overlay</b>	<b>Activity status:</b> PER 1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity  <b>Where:</b> a. Within the Dairy Processing Zone Noise Control Overlay but outside the Inner Noise Zone, <u>as shown in DPZ-SCHED1</u> , is designed to achieve an outside to inside noise level difference of not less than 20 dB Dtr, 2m, nTw to any bedroom. b. Within the Inner Noise Zone, <u>as shown in DPZ-SCHED1</u> , <sup>31</sup> is designed to achieve an outside to inside noise level difference of not less than 25 dB Dtr, 2m, nTw to any bedroom.	...

<sup>27</sup> 343.065 CDHB

<sup>28</sup> 371.053 CIAL

<sup>29</sup> 343.069 CDHB

<sup>30</sup> 343.066 CDHB

<sup>31</sup> 343.070 CDHB

	<p>c. Where windows need to be closed to achieve the internal noise levels specified in NOISE-R6.1.a. and NOISE-R6.1.b., an alternative ventilation system shall be provided which <del>satisfies clause G4 of the New Zealand Building Code.</del> <u>for habitable rooms:</u></p> <p>i. <u>provides mechanical ventilation to satisfy clause G4 of the New Zealand Building Code; and</u></p> <p>ii. <u>is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and</u></p> <p>iii. <u>provides relief for equivalent volumes of spill air; and</u></p> <p>iv. <u>provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</u></p> <p>v. <u>does not generate more than 35 dB LAeq(30s) when measured 1m away from any grille or diffuser.</u><sup>32</sup></p> <p>...</p>	
<b>NOISE-R7</b>	<b>Noise Sensitive Activity within the West Melton Rifle Range Noise Control Overlays</b>	
<b>West Melton Rifle Range 55 dB Ldn Noise Control Overlay</b>	<p><b>Activity status:</b> PER</p> <p>1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity</p> <p><b>Where:</b></p> <p>a. The building is designed and constructed to ensure that the following indoor design noise levels do not exceed:</p> <p>i. 35dB Ldn inside bedrooms;</p> <p>ii. 40dB Ldn inside any other habitable room.</p> <p>b. Where windows need to be closed to achieve the internal noise levels specified in NOISE-R7.1.a., an alternative ventilation system shall be provided which <del>satisfies clause G4 of the New Zealand Building Code.</del> <u>for habitable rooms:</u></p> <p>i. <u>provides mechanical ventilation to satisfy clause G4 of the New Zealand Building Code; and</u></p> <p>ii. <u>is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and</u></p> <p>iii. <u>provides relief for equivalent volumes of spill air; and</u></p> <p>iv. <u>provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</u></p> <p>v. <u>does not generate more than 35 dB LAeq(30s) when measured 1m away from any grille or diffuser.</u><sup>33</sup></p> <p>...</p>	...
<b>NOISE-R8</b>	<b>Darfield Gun Club</b>	
<b>Darfield Gun Club Noise Control Overlay</b>	<p><b>Activity status:</b> PER</p> <p>1. The establishment of any building for a noise sensitive activity, or any addition or alteration to an existing building which creates a new habitable room or will be occupied by a noise sensitive activity</p> <p><b>Where:</b></p> <p>a. Located outside the 60 dB LAFmax noise contour area; and</p>	...

<sup>32</sup> 343.067 CDHB

<sup>33</sup> 343.068 CDHB

	<p>b. Located between the <del>55</del> <u>50</u> dB LAFmax and 60 dB LAFmax noise contours, all habitable rooms shall be designed, constructed and maintained to achieve an indoor design noise level of 35 dB LAFmax from noise generated by outdoor shooting activities at the Darfield Gun Club; and</p> <p>c. Located between the <del>55</del> <u>50</u> dB LAFmax and 60dB LAFmax noise contours, outdoor living areas shall be screened from the Darfield Gun Club to achieve an indoor design noise level not exceeding 50 dB LAFmax.<sup>34</sup></p> <p>...</p>	
<b>NOISE-R9</b>	<b>Temporary Military Training Activities</b>	
<b>All zones</b>	<p>...</p> <p><b>Activity status:</b> PER</p> <p>7. Any temporary military training activity where there is weapons firing and/or the use of explosives</p> <p><b>Where:</b></p> <ul style="list-style-type: none"> <li>a. The following minimum separation distances are met at the notional boundary of any building containing a noise sensitive activity <del>in the GRUZ, or the boundary of any site containing a noise sensitive activity in all other zones:</del> <ul style="list-style-type: none"> <li>i. 0700 to 1900: 500m;</li> <li>ii. 1900 to 0700: 1250m; or</li> </ul> </li> <li>b. The activity shall comply with the following peak sound pressure levels at the notional boundary of any building containing a noise sensitive activity <del>in the GRUZ, or the boundary of any site containing a noise sensitive activity in all other zones:</del> <ul style="list-style-type: none"> <li>i. 0700 to 1900: 95 dBC</li> <li>ii. 1900 to 0700: 85 dBC<sup>35</sup></li> </ul> </li> </ul> <p>...</p>	...
<b>NOISE-R10</b>	<b>Temporary Activities</b>	
<b>All zones</b>	<p><b>Activity status:</b> PER</p> <p>1. Any temporary activity, excluding those activities listed in TEMP-R7 and NOISE-R9</p> <p><b>Where:</b></p> <ul style="list-style-type: none"> <li>a. The temporary activity occurs between 0700 and 2200 only, and if operating outside of these hours complies with NOISE-REQ1; and</li> <li>b. For temporary activities involving amplified sound the activity: <ul style="list-style-type: none"> <li>i. Operates for a total duration not exceeding 4 hours per day on any site, including all sound checks, and has a total amplified power not exceeding 500 watts root mean square; or</li> <li>ii. Results in a sound level not exceeding 65 dB LAeq (<u>15min</u>)<sup>36</sup> when measured at the notional boundary of any building containing a noise sensitive activity in the General Rural Zone, or at the boundary of any site containing a noise sensitive activity in all other zones; and</li> </ul> </li> </ul> <p>...</p>	...
<b>NOISE-R11</b>	<b>Audible Bird Scaring Device</b>	
<b>GRUZ</b>	<b>Activity status:</b> PER	...

<sup>34</sup> 343.071 CDHB

<sup>35</sup> 448.072 NZDF

<sup>36</sup> 343.072 CDHB

	<p>1. Noise emissions from any audible bird scaring device</p> <p><b>Where:</b></p> <p>...</p> <p>c. ...</p> <p>d. Operation of any audible bird scaring device does not exceed 12 times in any one hour, <u>or a cluster of 3 shots no more than 4 times per hour.</u><sup>37</sup></p>	
<b>NOISE-R12</b>	<b>Frost Fans</b>	
<b>GRUZ</b>	<p><b>Activity status:</b></p> <p>1. Any use of a frost fan</p> <p><b>Where:</b></p> <p>a. Noise generated by all frost fans operating simultaneously on a site does not exceed 55 dB LAeq(15min)<sup>38</sup> when measured at the notional boundary of any building containing a noise sensitive activity on a separate site under different ownership.</p>	...
<b>NOISE-R13</b>	<b>Blasting Activity</b>	
<b>All Zones</b>	<p><b>Activity status:</b> PER</p> <p>1. Any blasting activity, other than for construction activity which is provided for in NOISE-R2 <u>and Temporary Military Training Activity which is provided for in NOISE-R9</u><sup>39</sup></p> <p>...</p>	...

## NOISE-Rule Requirements

<b>NOISE-REQ1</b>	<b>Zone Noise Limits</b>			
...	<b>NOISE-TABLE5 - Zone Noise Limits</b>			
	<b>Zone of the site generating noise</b>	<b>Zone of the site receiving noise</b>	<b>Assessment Location</b>	<b>Hours and Limits</b>
	1. All zones	RESZ GRAZ MPZ SKIZ	Any point within any site receiving noise	0700 to 2200: 50 dB LAeq(15min) 2200 to 0700: 40 dB LAeq(15min) / 70 LAFmax <sup>40</sup>

<sup>37</sup> 353.216 Hort NZ and 422.242 Federated Farmers

<sup>38</sup> 343.073 CDHB

<sup>39</sup> 448.074 NZDF and link to the 'Temporary Military Training Activity' definition

<sup>40</sup> 343.074 CDHB



		TEZ			
	2. All zones, excluding PORTZ and DPZ <sup>41</sup>	GRUZ	At the notional boundary of any noise sensitive activity within any site receiving noise	0700 to 2200: 55 dB LAeq(15min) 2200 to 0700: 45 dB LAeq(15min) / 70 LAFmax <sup>42</sup>	
	3. All zones	KNOZ LCZ NCZ TCZ	Any point within any site receiving noise	0700 to 2200: 60 dB LAeq(15min) 2200 to 0700: 45 dB LAeq(15min) <sup>43</sup>	
	4. PORTZ	GRUZ  Advisory Note: The noise limit applies within GRUZ only and does not apply within GIZ	At the Port Zone 55 dB LAeq Noise Control Overlay Boundary	The cumulative noise (excluding any construction noise) <sup>44</sup> arising as a result of all activities within the Port Zone shall not exceed: <del>0700 to 2200:</del> <sup>45</sup> 55 dB LAeq(15min) <sup>46</sup>	
	5. DPZ	GRUZ	At the Dairy Processing Zone Noise Control Overlay Boundary	The cumulative noise (excluding any construction noise) <sup>47</sup> arising as a result of all activities within the Dairy Processing Zone shall not exceed: 0700 to 2200: 55 dB LAeq(15min) <sup>48</sup> / 80 dB LAFmax <sup>49</sup> 2200 to 0700: 45 dB LAeq(15min) <sup>50</sup> / 70 dB LAFmax <sup>51</sup>	

<sup>41</sup> 343.075 CDHB

<sup>42</sup> 343.074 CDHB

<sup>43</sup> 343.074 CDHB

<sup>44</sup> 068.021 Metroport

<sup>45</sup> 453.072 LPC

<sup>46</sup> 343.074 CDHB

<sup>47</sup> 370.069 Fonterra

<sup>48</sup> 343.074 CDHB

<sup>49</sup> CI16(2) amendment

<sup>50</sup> 0343.074 CDHB

<sup>51</sup> CI 16(2) amendment

NOISE-REQ2	Construction Noise Limits	
	NOISE-TABLE6 - Construction Noise Limits	
CMUZ GIZ KNOZ <u>PORTZ</u> <sup>52</sup>	...	

## NOISE-Matters for Control or Discretion

NOISE-MAT1	Natural Hazards Generally	
All Zones	<p>...</p> <p>3. Whether the noise is likely to <del>detract from</del> <u>adversely impact</u> on the amenity values or general environmental quality of the area in which they are received.</p> <p>4. Whether the noise generated is likely to cause sleep disturbance or result in adverse health or well-being effects.</p> <p>5. <u>The effectiveness of</u> <del>Any</del> mitigation or noise attenuation measures proposed, such as: reduction of noise at the source, alternative techniques or machinery available, insulation or enclosure of the noise source, mounding or screen fencing/walls, hours of operation.</p> <p>6. The extent to which alternative locations and methods have been considered to avoid, remedy, or mitigate any adverse effects recognising <u>functional need, operational need, and any technical,</u> <del>operational,</del> and practical constraints.<sup>53</sup></p>	

## Subdivision Chapter

SUB-R11	Open Space Subdivision	
GRUZ DPZ MPZ	<p>...</p> <p>Where:</p> <p>....</p> <p>d. No <del>cluster</del> <u>undersized site</u> is located within a <del>Christchurch International Airport</del> Noise Control Overlay listed in SUB-R26.1 to SUB-R26.6<sup>54</sup></p> <p>...</p>	...
SUB-R26	Subdivision and Noise	
<del>Christchurch International Airport</del> <b>505 dB Ldn Noise</b>	<p><b>Activity Status:</b> DIS</p> <p>1. Subdivision within the <del>Christchurch International Airport</del> 505 dB Ldn Noise Control Overlay. This rule does not apply to any subdivision under any of SUB-R13 or SUB-R15.<sup>55</sup></p>	...

<sup>52</sup> 068.022 Metroport and 453.074 LPC

<sup>53</sup> 215.047 Winstone Aggregates

<sup>54</sup> 371.044 CIAL

<sup>55</sup> 371.044 CIAL

Control Overlay	...	
...		

## Planning maps

Port Zone Noise Control Overlays - Amend the maps to show the correct the Port Noise Overlay boundaries as they relate to Metroport. GIS files, ideally shapefiles, to be provided by Metroport with their evidence.<sup>56</sup>

State Highway Noise Control Overlay - Amend the maps to more accurately follow the physical location of all state highways, including over the full length of the Christchurch Southern Motorway and the deletion of the State Highway Noise Control Overlay over those parts of Shands Road and Marshs Road that are not State Highway. GIS files, ideally shapefiles to be provided by Waka Kotahi with their evidence.<sup>57</sup>

Railway Network Noise Control Overlay - Amend the maps to more accurately follow the physical location of the railway network, including the deletion of the Railway Network Noise Control Overlay over land to the north of Prebbleton Township that is no longer designated for railway purposes, and to reflect the correct boundaries of the Noise Control Overlay in relation to the KRH-1 designation. GIS files, ideally shapefiles to be provided by Kiwirail with their evidence.<sup>58</sup>

Christchurch International Airport 50 dB Ldn Noise Control Overlay - Amend the name to ~~Christchurch International~~ Christchurch International Airport 50 db Ldn Noise Control Overlay<sup>59</sup>, and show this overlay separately on the planning maps<sup>60</sup>

Christchurch International Airport 55 dB Ldn Noise Control Overlay - amend the name to ~~Christchurch International~~ Christchurch International Airport 55 db Ldn Noise Control Overlay<sup>61</sup>, and show this overlay separately on the planning maps<sup>62</sup>

Synlait Innner Noise Zone - Amend the maps to show the Synlait 'Inner Noise Zone'.<sup>63</sup>

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<sup>56</sup> 068.038 Metroport

<sup>57</sup> 207.111 SDC and 375.135 Waka Kotahi

<sup>58</sup> 207.112 SDC and 458.061 Kiwirail

<sup>59</sup> 371.052 CIAL

<sup>60</sup> 0371.089 CIAL

<sup>61</sup> 371.052 CIAL

<sup>62</sup> 371.090 CIAL

<sup>63</sup> 343.070 CDHB