

BEFORE THE ENVIRONMENT COURT

Decision No. [2014] NZEnvC 55

IN THE MATTER of the Resource Management Act 1991

AND

IN THE MATTER of an appeal under clause 14 of the First Schedule to the Act

BETWEEN COLONIAL VINEYARD LIMITED

(ENV-2012-CHC-108)

Appellant

AND

MARLBOROUGH DISTRICT COUNCIL

Respondent

Court: Environment Judge J R Jackson
Environment Commissioner J R Mills
Environment Commissioner A J Sutherland

Venue: Blenheim

Hearing dates: 9 to 13 and 16 and 17 September 2013.
(Final submissions received 24 October 2013).

Appearances: N Davidson QC and M J Hunt for Colonial Vineyard Limited
S F Quinn and M Booth for Marlborough District Council
Q A M Davies and D P Neild for New Zealand Aviation Limited
and The Marlborough Aero Club (under s274)
M Radich for Trustees of the Carlton Corlett Trust (under s274)

Date of Decision: 14 March 2014

Date of Issue: 14 March 2014

DECISION



- A: Under section 290 of the Resource Management Act 1991:
- (1) the appeal is allowed;
 - (2) the decision of the Marlborough District Council dated 31 July 2012 is cancelled; and
 - (3) Plan Change 59 as notified is approved subject to the changes stated in the Reasons below.
- B: Subject to C, the parties are directed to discuss the proposed policies, maps and rules and if possible to lodge an agreed set by Wednesday 30 April 2014.
- C: Under section 293 the council is directed to consult with the parties over the urban design principles included in Mr T G Quickfall's Appendix 4 and to lodge its approved version for approval by the Environment Court by 30 April 2014.
- D: Leave is reserved for any party to apply for further directions (under section 293 of the RMA or otherwise) if agreement cannot be reached.
- E: Costs are reserved.

REASONS

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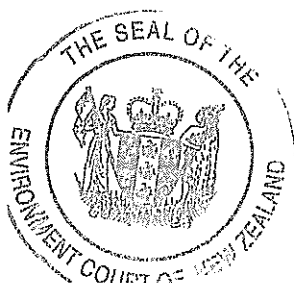
1. Introduction

1.1 The issue: should the land be rezoned residential?

[1] The principal question in this proceeding is whether a 21.4 hectare vineyard in New Renwick Road on the southern side of the Wairau Plains near Blenheim should be rezoned for residential development, as sought in private Plan Change 59 ("PC59").

1.2 The vineyard and its landscape setting

[2] The vineyard is owned by Colonial Vineyard Ltd ("CVL"). The land is legally described as Lot 2 DP350626 and Lot 1 DP11019 ("the site"). The site is flat and is located south of New Renwick Road between Richardson Avenue and Aerodrome Road, on the periphery of Blenheim. It is west of the Taylor River which is about 100 metres away at its closest, and about 400 metres from the extensive reserves and walking tracks of the Wither Hills. The site is currently planted with Sauvignon Blanc grapes, and the north, south and east boundaries are lined by olive trees¹.



¹ M Davis, evidence-in-chief at para [9] [Environment Court document 3].

[3] The land opposite the site on the eastern and northern boundaries has Residential zoning². The land to the south of the site is rural land owned by the Carlton Corlett Trust. It is currently in pasture and light industrial/commercial development and likely future light industrial development³.

[4] Further to the south, on more land owned by the Carlton Corlett Trust, are the Omaka Aviation Heritage Centre and related aviation and engineering activities, and a Car Museum. An airport used for general aviation called “the Omaka airfield” adjoins the Omaka Museum site and is to the southwest of the CVL site.

[5] The Omaka aerodrome was established in 1928 and contains what are reputed to be the oldest set of grass runways in the country. The Marlborough Aero Club Inc., which is based there, is one of the oldest flying clubs in the country. Omaka is now the main airfield in Marlborough for general (as opposed to commercial) aviation. Operations include helicopter businesses for crop spraying and frost protection, pilot training and aircraft repair work. Omaka is also the home of the Aviation Heritage Centre which houses a superb collection of World War I aircraft and replicates and other memorabilia. The grass runways and the adjacent workshops in the hangars are of heritage value, whereas the helicopter operations and some of the aircraft maintenance are parts of the “air transport” infrastructure.

[6] The site and the airfield are about 600 metres apart at their closest. The 55 dBA Ldn noise contour from the Omaka airfield currently crosses the Carlton Corlett land in (approximately) an east-west line several hundred metres south of the site as shown in the acoustic engineer, Dr J W Trevathan’s Plan B⁴. This contour is based on three months of data recorded by Mr D S Park and includes helicopter noise abatement paths as discussed later in this decision.

[7] Blenheim’s urban area is to the north and east of the site. The Wither Hills lie south, and to the west and northwest is the Wairau Plain, principally covered in large-scale vineyards. Approximately 5 kilometres northwest of the site is Marlborough’s main commercial airport at Woodbourne.

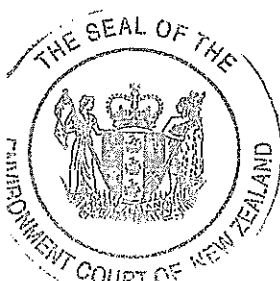
1.3 Plan Change 59

[8] CVL was the initiator of the request for a private plan change (PC59) to the Wairau Awatere Resource Management Plan (“WARMP”). The proposal for Plan Change 59 was lodged with the Marlborough District Council in April 2011. PC59 sought to rezone the site from Rural 3 (the Wairau Plain zone) to Urban Residential 1 and 2 to provide for residential development. The plan change also sought to amend or

² T G Quickfall, evidence-in-chief [9](b) [Environment Court document 18].

³ T G Quickfall, evidence-in-chief [9](c) [Environment Court document 18].

⁴ J W Trevathan, supplementary brief of evidence, Attachment B [Environment Court document 14B].



add some policies⁵ in the district plan, together with consequential changes to methods of implementation.

[9] CVL initiated its plan change following the initial completion of the Southern Marlborough Urban Growth Strategy 2010 (“the 2010 Strategy”) that assessed the residential growth potential in different areas using a “multi-criteria” approach⁶. The analysis under the 2010 Strategy is quite comprehensive and CVL placed some reliance on that process and its findings as part of its section 32 analysis of PC59.

[10] CVL’s original version of PC59 (as notified) sought the following:

- (a) to produce a residential development consistent with good design principles;
- (b) to rezone the bulk (15 hectares) of the site as Urban Residential 1;
- (c) to rezone 6.4 hectares on the southern and western boundaries of the site as Urban Residential 2;
- (d) to amend the WARMP by introducing proposed policies set out in Appendix 1 to the application;
- (e) to amend Appendix G of the WARMP so that the CVL site be identified and the rules will require buildings to be constructed in accordance with the ‘Indoor Design Sound Levels set out in Appendix M’⁷.

[11] The only important policy change is that PC59 (as notified) proposes that policy (11.2.2)1.3 be amended as follows:

Maintain high density residential use close to open spaces and within the inner residential sector of Blenheim located within easy walking distance to the west and⁸ [south of] the Central Business Zone.

The underlined words are the addition. The effect of the proposed change would be to allow some relatively high density residential development close to open spaces, thus expanding the scope for residential development of the site, and elsewhere to the south of the CBD.

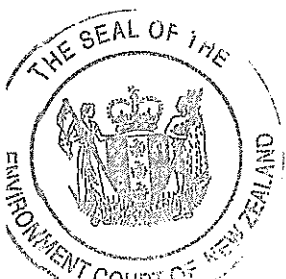
[12] The application for a plan change was approved for notification and publicly notified. There were submissions and a hearing. So far that was routine. However, at the council hearing CVL purported to amend its application to incorporate the following changes:

⁵ Policies (11.2.2)1.3; (19.3)1.7 and (19.7)1.8; (23.5.1)1.17 and 1.18; (29.2)8.1.

⁶ T G Quickfall, evidence-in-chief [15] [Environment Court document 18].

⁷ Commissioners’ Decision para 12 – citing the CVL application at p 56.

⁸ PC59 actually uses the words “sought for” rather than “south of” but that misquotes (and makes nonsense of) the actual policy.



- (a) the provision of an internal roading hierarchy including a primary local road and low speed residential streets;
- (b) a requirement for acoustic insulation within the entire site for dwellings;
- (c) a new zoning map;
- (d) a concept plan showing likely roading connections and open space layout; and
- (e) other changes to objectives and policies to better reflect those requirements in this location.

Changes (a) to (d) cause us no jurisdictional difficulties, but (e) may.

[13] The potential difficulties were compounded because the proposed objectives and policies were further amended in Mr Quickfall's evidence. CVL now proposes to add two new objectives to Section 23.6 of the WARMP⁹. The first is a new objective specific not to the site but to Omaka Aerodrome and the aviation cluster. This would be¹⁰:

To recognise, provide for and protect on-going operation and strategic importance of the Omaka Aerodrome and aviation cluster (activities related to the Aerodrome).

While well-intentioned, the additions to objectives proposed by CVL at the council hearing and then, in an expanded version, to the court are beyond jurisdiction. They refer to land which is not the subject of the notified plan change (and not even contiguous to the site) and there are persons not before the court (e.g. some neighbours of the airfield) who might be affected by further amendments to the plan change. On the principles stated in *Hamilton City Council v NZ Historic Places Trust*¹¹ and *Auckland Council v Byerley Park Limited*¹², there must be considerable doubt about the court's jurisdiction to add the first objective. In any event, since no party suggested we give directions under section 293 in respect of them, we will not consider them further.

[14] Although the 2010 Strategy made some initial recommendations, the final recommendations are dated March 2013 and were adopted by MDC on 21 March 2013. These final recommendations note the importance of Omaka airfield as a regional resource and suggest that the appellant's land (the subject of PC59) be earmarked for employment activities, rather than residential. That is a significant shift from the 2010 Strategy's recommendations¹³ as we shall discuss in more detail later.

[15] The council issued its decision declining CVL's application for private plan change on 31 July 2012. CVL appealed the decision to the Environment Court. The

⁹ We question the number: existing 23.6 of the WARMP relates to Methods of Implementation, not objectives or policies.

¹⁰ T G Quickfall, evidence-in-chief Annexure 4 [Environment Court document 18].

¹¹ *NZ Historic Places Trust v Hamilton City Council* [2005] NZRMA 145 at [25] (HC).

¹² *Auckland Council v Byerley Park Limited* [2013] NZHC 3402 at [41]-[42].

¹³ M J Foster, evidence-in-chief [1.11] [Environment Court document 27].



council supported its decision and was supported by the section 274 parties — NZ Aviation Ltd and the Marlborough Aero Club (together called “the Omapara Group”) and the Carlton Corlett Trust.

[16] Throughout the hearing various terms were used to describe non-residential urban land. We will, with some reservations about the term’s generality, follow the council’s new practice and use the term “employment land” to encompass land suitable for business, retail and industrial uses.

1.4 What matters must be considered?

[17] Since these proceedings concern a plan change we must first identify the legal matters in relation to which we must consider the evidence. In *Long Bay-Okura Great Park Society Incorporated v North South City Council*¹⁴ the Environment Court listed a “relatively comprehensive summary of the mandatory requirements” for the RMA in its form before the Resource Management Amendment Act 2005. The court updated this list in the light of the 2005 Amendments in *High Country Rosehip Orchards Ltd v Mackenzie District Council (“High Country Rosehip”)*¹⁵. We now amend the list given in those cases to reflect the major changes made by the Resource Management Amendment Act 2009. The different legal standards to be applied are emphasised, and we have underlined the changes and additions¹⁶ since *High Country Rosehip*¹⁷:

A. General requirements

1. A district plan (change) should be designed to **accord with**¹⁸ — and assist the territorial authority to **carry out** — its functions¹⁹ so as to achieve the purpose of the Act²⁰.
2. The district plan (change) must also be prepared **in accordance with** any regulation²¹ (there are none at present) and any direction given by the Minister for the Environment²².
3. When preparing its district plan (change) the territorial authority **must give effect** to²³ any national policy statement or New Zealand Coastal Policy Statement²⁴.
4. When preparing its district plan (change) the territorial authority shall:
 - (a) **have regard to** any proposed regional policy statement²⁵;

¹⁴ *Long Bay-Okura Great Park Society Incorporated v North Shore City Council* Decision A78/2008 at para [34].

¹⁵ *High Country Rosehip Orchards Ltd v Mackenzie District Council* [2011] NZEnvC 387.

¹⁶ Some additions and changes of emphasis and/or grammar are not identified.

¹⁷ Noting also:

(a) that former A6 has been renumbered as A2 and all subsequent numbers in A have dropped down one;

(b) that the list in D has been expanded to cover fully the 2005 changes.

¹⁸ Section 74(1) of the Act.

¹⁹ As described in section 31 of the Act.

²⁰ Sections 72 and 74(1) of the Act.

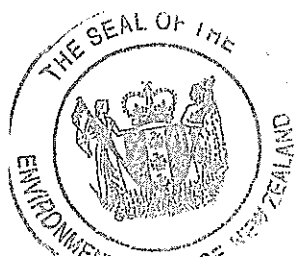
²¹ Section 74(1) of the Act.

²² Section 74(1) of the Act added by section 45(1) Resource Management Amendment Act 2005.

²³ Section 75(3) RMA.

²⁴ The reference to “any regional policy statement” in the *Rosehip* list here has been deleted since it is included in (3) below which is a more logical place for it.

²⁵ Section 74(2)(a)(i) of the RMA.



- (b) **give effect to any operative regional policy statement**²⁶.
5. In relation to regional plans:
- (a) the district plan (change) must **not be inconsistent** with an operative regional plan for any matter specified in section 30(1) or a water conservation order²⁷; and
- (b) **must have regard to any proposed regional plan on any matter of regional significance etc**²⁸.
6. When preparing its district plan (change) the territorial authority must also:
- **have regard to any relevant management plans and strategies under other Acts, and to any relevant entry in the Historic Places Register and to various fisheries regulations**²⁹ to the extent that their content has a bearing on resource management issues of the district; and to consistency with plans and proposed plans of adjacent territorial authorities³⁰;
 - **take into account any relevant planning document recognised by an iwi authority**³¹; and
 - **not have regard to trade competition**³² or the effects of trade competition;
7. The formal requirement that a district plan (change) must³³ also state its objectives, policies and the rules (if any) and may³⁴ state other matters.
- B. Objectives [the section 32 test for objectives]
8. Each proposed objective in a district plan (change) **is to be evaluated** by the extent to which it is the most appropriate way to achieve the purpose of the Act³⁵.
- C. Policies and methods (including rules) [the section 32 test for policies and rules]
9. The policies are to **implement** the objectives, and the rules (if any) are to **implement the policies**³⁶;
10. Each proposed policy or method (including each rule) is to be examined, **having regard to its efficiency and effectiveness**, as to whether it is the most appropriate method for achieving the objectives³⁷ of the district plan **taking into account**:
- (i) the benefits and costs of the proposed policies and methods (including rules); and
- (ii) the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the policies, rules, or other methods³⁸; **and**
- (iii) if a national environmental standard applies and the proposed rule imposes a greater prohibition or restriction than that, then whether that greater prohibition or restriction is justified in the circumstances³⁹.
- D. Rules
11. In making a rule the territorial authority must **have regard to the actual or potential effect of activities on the environment**⁴⁰.

²⁶ Section 75(3)(c) of the Act [as substituted by section 46 Resource Management Amendment Act 2005].

²⁷ Section 75(4) of the Act [as substituted by section 46 Resource Management Amendment Act 2005].

²⁸ Section 74(2)(a)(ii) of the Act.

²⁹ Section 74(2)(b) of the Act.

³⁰ Section 74(2)(c) of the Act.

³¹ Section 74(2A) of the Act.

³² Section 74(3) of the Act as amended by section 58 Resource Management (Simplifying and Streamlining) Act 2009.

³³ Section 75(1) of the Act.

³⁴ Section 75(2) of the Act.

³⁵ Section 74(1) and section 32(3)(a) of the Act.

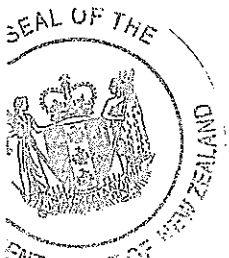
³⁶ Section 75(1)(b) and (c) of the Act (also section 76(1)).

³⁷ Section 32(3)(b) of the Act.

³⁸ Section 32(4) of the RMA.

³⁹ Section 32(3A) of the Act added by section 13(3) Resource Management Amendment Act 2005.

⁴⁰ Section 76(3) of the Act.



12. Rules have the force of regulations⁴¹.
 13. Rules may be made for the protection of property from the effects of surface water, and these may be more restrictive⁴² than those under the Building Act 2004.
 14. There are special provisions for rules about contaminated land⁴³.
 15. There must be no blanket rules about felling of trees⁴⁴ in any urban environment⁴⁵.
- E. Other statutes:
16. Finally territorial authorities may be required to comply with other statutes.
- F. (On Appeal)
17. On appeal⁴⁶ the Environment Court must have regard to one additional matter — the decision of the territorial authority⁴⁷.

[18] In relation to A above:

- (1) it is expressly within the prescribed functions of the council to control⁴⁸ the actual or potential effects of the use, development and protection of land by establishing and implementing⁴⁹ objectives, policies and rules. Part 2 of the Act is considered later;
- (2) there are no directions from the Minister for the Environment;
- (3) no national policy statement is relevant, nor is the NZ Coastal Policy Statement;
- (4) we outline the relevant provisions in the operative regional policy statement in Part 2 of this Decision;
- (5) the regional plan is the district plan in this case because, as a unitary authority the Marlborough District Council has prepared a combined plan⁵⁰;
- (6) none of the witnesses identified any relevant matter under this heading;
- (7) section 75(2) would be satisfied by acceptance or refusal of PC59.

We will return to the issue of whether the plan change achieves the purpose of the RMA at the end of this decision.

[19] Item B is irrelevant since objectives of the district plan are not sought to be changed by the plan change as notified.

⁴¹ Section 76(2) RMA.
⁴² Section 76(2A) RMA.
⁴³ Section 76(5) RMA as added by section 47 Resource Management Amendment Act 2005 and amended in 2009.
⁴⁴ Section 76(4A) RMA as added by the Resource Management (Simplifying and Streamlining) Amendment Act 2009.
⁴⁵ Section 76(4B) RMA — this “Remuera rule” was added by the Resource Management (Simplifying and Streamlining) Amendment Act 2009.
⁴⁶ Under section 290 and Clause 14 of the First Schedule to the Act.
⁴⁷ Section 290A RMA as added by the Resource Management Amendment Act 2005.
⁴⁸ Section 31(1) RMA.
⁴⁹ Section 31(1)(b) RMA.
⁵⁰ Chapter 1 para 1.0 [WARMP p 1-1].



[20] In relation to C, a key part of the case is to consider the proposed new policy and the rezoning. Since the new policy effectively seeks to justify the zoning of the site for residential purposes, we will consider the policy and the zoning together under the section 32 tests. They require us to examine, having regard to the efficiency and effectiveness of the proposed policy change and zoning, whether they are the most appropriate method for achieving the objectives of the district plan.

[21] We will consider D in relation to the proposed rules at the appropriate time. E (Other statutes) is irrelevant. Finally, in relation to F: we will have regard to the Commissioners' decision at the end of this decision.

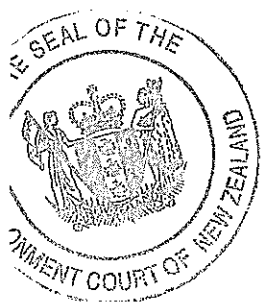
1.5 The questions to be answered

[22] In summary the questions which need to be answered under the list in the previous section are:

- what are the relevant provisions in the operative regional policy (which must be given effect to) and what are the relevant objectives in the WARMP — the operative district plan (which must be implemented by PC59)? [See 2 below];
- what are the benefits and costs of PC59 and the alternatives? [See 3 below];
- what are the risks of approving (or not) PC59? [See 4 below];
- does PC59 give effect to the RPS and is it the most appropriate method for achieving the objectives of the WARMP? [See 5 below];
- does PC59 achieve the purpose of the RMA? [See 6 below];
- should the result be different from the council's decision? [See 7 below].

[23] The first alternative in this case is, whether the site should be rezoned for residential development now or whether any urban rezoning should wait until a district plan review is carried out. It is largely uncontested (at least by the council, the Omaka Group position is less clear) that the site should be used for urban purposes. However, the case for the council before us was that the site should probably be used for industrial ("employment") purposes, and that should be resolved in a proposed plan review.

[24] The other choice is to do nothing. That is, to retain the existing zoning at present because of the alleged effects that residential development may have on future use of the Omaka airfield and the Omaka Aviation Heritage Centre.



2. Identifying the relevant objectives and policies

2.1 The Marlborough Regional Policy Statement

[25] We must give effect to any operative regional policy statement. In these proceedings the relevant document is the Marlborough Regional Policy Statement (“the RPS”) which became operative on 28 August 1995. The policies and methods most relevant to this proceeding are found in the chapter on Community Wellbeing (Part 7 of the RPS). Objective 7.1.2 focuses on the quality of life, seeking to maintain and enhance the quality of life for people while ensuring activities do not adversely affect the environment. Implementing policy 7.1.5 seeks to avoid, remedy or mitigate adverse effects of activities on the health of people and communities. Another implementing policy is to enhance amenity values provided by the unique character of Marlborough settlements⁵¹. The explanation recognises that Blenheim is the main urban, business and service settlement in Marlborough.

[26] A further policy⁵² enables the appropriate type, scale and location of activities by:

- clustering activities with similar effects;
- ensuring activities reflect the character and facilities available in the communities in which they are located;
- promoting the creation and maintenance of buffer zones (such as stream banks or ‘greenbelts’);
- locating activities with noxious elements in areas where adverse environmental effects can be avoided, remedied or mitigated.

[27] Objective 7.1.14 is to provide safe and efficient community infrastructure in a sustainable way. An important implementing policy relates to ‘Air Transport’. The relevant policy, methods and explanation state⁵³:

7.1.17 Policy – Air Transport

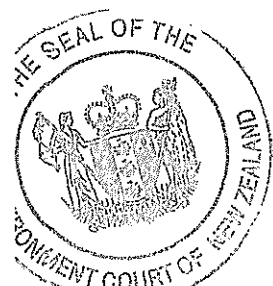
[To] enable the safe and efficient operation of the air transport system consistent with the duty to avoid, remedy or mitigate adverse environmental effects.

7.1.18 Methods

- (a) Recognise and provide for Marlborough (Woodbourne) Airport as Marlborough’s main air transport facility for both military and civilian purposes.

Marlborough Airport is an important link for air transport (for passengers and freight) between Marlborough and the rest of New Zealand and potentially overseas. Operation of the airport for civilian and military purposes is an important activity in Marlborough and it is appropriate that Council has a policy which reflects this.

⁵¹ Policy 7.1.7 [RPS p 57].
⁵² Policy 7.1.10 [RPS p 59].
⁵³ Policy 7.1.17 and 18 RPS.



- (b) Commercial and industrial activities which support or service the air transport industry and defence will be provided for.

Facilities at Marlborough Airport and the associated RNZAF Base Woodbourne are well developed to serve air transport and military aviation needs. This policy recognises this and seeks to promote commercial and industrial development and military activities associated with air transport.

- (c) Regulate within the resource management plans, land use activities which have a possible impact on the safe and efficient operation of air transport systems.

Urban development in the vicinity of Woodbourne Airport should be discouraged where the use of land for such purposes would adversely affect the safe and efficient operation of aircraft and airport facilities. Some controls may be necessary to ensure that activities do not conflict with the safe and efficient operation of aircraft operating into and out of Marlborough. The resource management plans will also provide for navigation aids within Marlborough which service aircraft using the airport and for any aircraft generally in the area.

It is noteworthy that the Woodbourne airport is identified as the main air transport facility for Marlborough. The Omaka airfield is not expressly mentioned. In his closing submissions for the council, Mr Quinn stated that the Omaka airfield is regionally significant⁵⁴ in respect of its provision of general aviation functions since Woodbourne is primarily a commercial airport for scheduled air services and some military activity. The RPS does not support that submission. At best the significance of the Omaka airfield is recognised at the policy level in the District Plan, (as we will see shortly). On the other hand, the Omaka airfield does have heritage values — especially in connection with the Aviation Heritage Centre — which we consider later.

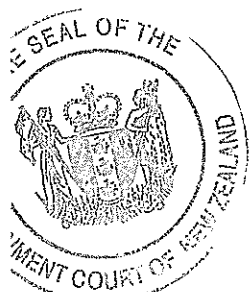
[28] In relation to heritage values, objective 7.3.2 of the RPS requires that buildings and locations identified as having significant heritage value are retained. Potentially, that could apply to the Omaka airfield. However, the implementing policy⁵⁵ is to protect “identified” heritage features. The methods contemplate that resource management plans will identify significant features, and the Omaka airfield has not been so identified in the RPS.

2.2 The Wairau Awatere Resource Management Plan

[29] The combined district and regional plan for the Wairau Awatere area of the district is called “The Wairau Awatere Resource Management Plan” (abbreviated to “WARMP”) and envisages its life as being ten years⁵⁶. It became operative in full on 25 August 2011.

[30] The WARMP is in three volumes. Volume 1 contains 24 chapters of objectives and policies, the rules are in Volume 2, and zoning and other maps are in Volume 3. Of the many chapters of objectives and policies, three are of particular relevance in this proceeding. They are:

⁵⁴ Closing submissions for Marlborough District Council, dated 4 October 2013, at [87].
⁵⁵ Policy 7.3.3 RPS.
⁵⁶ Chapter 1, para 1.5 [WARMP Vol 1 p 1-2].



Chapter 11	Urban Environments
Chapter 12	Rural Environments
...	
Chapter 22	Noise

[31] The principal policies guiding potential residential development are found in Chapter 11, to which we now turn.

Urban environments (Chapter 11)

[32] The first objective in this chapter of the WARMP is to maintain and create⁵⁷ residential environments which provide for the existing and future needs of the “community”. The primary policy to implement that objective is to accommodate⁵⁸ residential growth and development of Blenheim within the current boundaries of the town. Policy 1.3 states:

Maintain high density residential use within the inner residential sector of Blenheim located within easy walking distance to the west and⁵⁹ south of the Central Business Zone.

We have already recorded that PC59 proposes a minor change to this policy with the addition of words justifying high density residential use “close to open spaces”.

[33] Some urban expansion is contemplated by policy 1.5 which is⁶⁰:

... [to] ensure where proposals for the expansion of urban areas are proposed, that the relationship between urban limits and surrounding rural areas is managed to achieve the following:

- compact urban form;
- integrity of the road network;
- maintenance of rural character and amenity values;
- appropriate planning for service infrastructure; and
- maintenance and enhancement of the productive soils of rural land.

[34] Chapter 11 of the WARMP also describes the sort of environment contemplated for an urban environment. Objective 11.4 provides for “the maintenance and enhancement of the amenities and visual character of residential environments”.

⁵⁷ Objective (11.2.2)1 [WARMP p 11-3].

⁵⁸ Policy (11.2.2)1.1 [WARMP p 11-3].

⁵⁹ PC59 actually uses the words “sought for” rather than “south of” but it misquotes (and makes nonsense of) the actual policy.

⁶⁰ Policy (11.2.2)1.5 [WARMP p 11-3].



[35] Chapter 11 of the WARMP also provides for business and industrial activities. In relation to the latter the objective⁶¹ is to contain the effects of industry within the two identified Industrial Zones: the heavy industrial activity in Industrial 1 Zone at Riverlands and Burleigh; and the lighter Industrial 2 Zone strung along State Highways 1 and 6. There is no objective or policy governing the creation of new industrial zones within the urban environments of the district.

The rural environment (Chapter 12)

[36] Chapter 12 contains two relevant sections, relating to General Rural Activities and to Airport Zones. Subchapter 12.4 which covers the area outside Wairau Plain's Rural 3 zoning⁶² contains an objective⁶³ of providing a range of activities in the large rural section of the district. The implementing policy⁶⁴ seeks to ensure that the location, scale and nature, design and management of (amongst other activities) industry will protect the amenity values of the rural areas. In summary, any industrial growth in the Rural Zones is to be in the general rural areas, not in the lower Wairau Plain.

[37] In fact the land of most interest to this case is in special zones:

- the current zoning of the site⁶⁵ is Rural 3;
- the Omaka airfield is zoned⁶⁶ 'Airport Zone' (as are the Woodbourne and Picton airfields) in the WARMP;
- the Aviation Museum site to the northeast of the Omaka airfield is also zoned Rural 3.

[38] Chapter 12 (Rural Environments) of the WARMP sets out a range of issues, objectives and policies for the district's "Airport zone[s]". PC59 as notified did not include any amendments to chapter 12 and so it should be consistent with the objectives and policies in that chapter so far as that may be required by the plan. Paragraph 12.7.1 identifies⁶⁷ as an issue:

Recognition of the need for and importance of national, regional and local air facilities, and providing for them, whilst avoiding, remedying or mitigating any adverse effects of airport activities on surrounding areas.

The explanation continues:

Each of the air facilities has the potential to cause significant environmental effects including traffic generation, chemical / fuel hazard, landscape impact, and most significantly, noise pollution. The operational efficiency and functioning of Marlborough Airport, Base

⁶¹ Objective (11.4.2)1 [WARMP p 11-24].

⁶² Subchapter 12.2 pp 12-1 *et ff.*

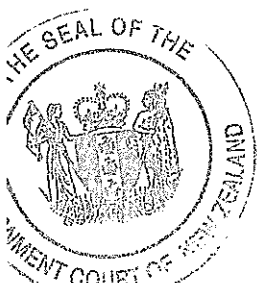
⁶³ Objective (12.4.2)2 [WARMP p 12-15].

⁶⁴ Policy (12.4.2)2.5 [WARMP p 12-15].

⁶⁵ See e.g. Map 155 in WARMP Vol 3.

⁶⁶ See Maps 153 and 164 [WARMP Vol 3] which shows the airport zone in an ochre colour and specifically identifies "Omaka Airport".

⁶⁷ WARMP Vol 1 p 12-22.



Woodbourne, and Omaka Airfield requires continual on-site maintenance and servicing of aircraft, often associated with significant noise generation (engine testing in particular). It is essential for the continued development of industry, commerce and tourism activity in the District that a high level of air transport access is maintained. Performance standards will be applied to all activities within airport areas to avoid, remedy or mitigate adverse effects. Likewise, the sustainability of the airport is also dependent on not being penalised by the encroachment of activities which are by their very nature sensitive to noise for normal airport operations. (emphasis added).

[39] In that light, the objective and three policies for the airport zone(s) are⁶⁸:

- | | |
|-------------|--|
| Objective 1 | The effective, efficient and safe operation of the District's airport facilities. |
| Policy 1.1 | To provide protection of air corridors for aircraft using Marlborough, Omaka and Picton Airports through height and use restrictions. |
| Policy 1.2 | To establish maximum acceptable levels of aircraft noise exposure around Marlborough Airport and Omaka Aerodrome for the protection of community health and amenity values whilst recognising the need to operate the airport efficiently and provide for its reasonable growth. |
| Policy 1.3 | To protect airport operations from the effects of noise sensitive activities. |

[40] The methods of implementation identified are to represent the airfields as Airport Zones in the planning maps and then to establish rules to⁶⁹:

Plan rules provide for the continued development, improvement and operation of the airports subject to measures to avoid remedy or mitigate any adverse effects. Rules define the extent of the airport protection corridors through height and surrounding land use restrictions.

Plan rules will, within an area determined with reference to the 55 Ldn noise contour (surveyed in accordance with NZS 6805 'Airport Noise Management and Land Use Planning'), require activities to be screened through the resource consent process and where permitted to establish noise attenuation will be required.

Performance Conditions Conditions are included to protect surrounding residential land uses from excessive noise.

[41] In fact no air noise contours or outer control boundaries have yet been introduced for the Omaka airfield. In contrast they are shown for the Woodbourne Airport on Map 147⁷⁰ as an "Airport Noise Exposure Overlay". CVL placed significant weight on this difference since the WARMP anticipated that an outer control boundary will be created for all the District's airports⁷¹. The council's evidence is that the process began for the Omaka airfield in 2007⁷² and as demonstrated by the uncertainty in the noise evidence it will apparently take some time yet to resolve.

⁶⁸ Objective 12.7.2 [WARMP p 12-23].

⁶⁹ Para 12.7.7.3 [WARMP p 12-23 to 12-24].

⁷⁰ WARMP Vol 3 Maps 146 and 147.

⁷¹ e.g. noise buffers surrounding the airport are considered the most effective means of protecting "their" operations (WARMP p 12-23).

⁷² R L Hegley, evidence-in-chief, para 5 [Environment Court document 25].



Noise (Chapter 22)

[42] Chapter 22 of the district plan essentially provides for the protection of communities from noise which may raise health concerns. The objective and most relevant policies are those in subchapter 22.3 which state:

Objective 1	Protection of individual and community health, environmental and amenity values from disturbance, disruption or interference by noise.
Policy 1.1	Avoid, remedy or mitigate community disturbance, disruption or interference by noise within coastal, rural and urban areas.
Policy 1.2	Include techniques to avoid the emission of excessive or unreasonable noises within the design of any proposal for the development or use of resources.
Policy 1.3	Accommodate inherently noisy activities and processes which are ancillary to normal activities within industrial and rural areas.

...

Subdivision (Chapter 23)

[43] We were referred to a number of policies in this chapter. Policy 1.6 requires decision-makers to “recognise the potential for amenity conflict between the rural environment and the activities on the urban periphery”. Similarly policy 1.8 is to: “consider the effects of subdivision on the rural environment in so far as this contributes to the character of the Plan Area, and avoid or mitigate any adverse effects”. Policy 23.4.1.1.11 is “to ensure that any adverse effects of subdivision on the functioning of services and other infrastructure and on roading are avoided, remedied or mitigated”. We consider these policies are to be applied when a subdivision application or consent for land use is being applied for. They are not relevant when the rezoning of land is being considered. There is a plethora of policies — as identified above — to be considered already.

Rules

[44] For completeness we record that in the volume of rules⁷³, section 44 sets out the rules in the Airport Zone. These apply to Omaka airfield. The usual aviation activities are permitted activities⁷⁴. Woodbourne Airport has its take-off and landing paths protected on the Planning Maps in accordance with Map 213 ‘Airport Protection and Designation 2’. Omaka airfield’s flight paths are set out in a rule⁷⁵ rather than in a map.

2.3 NZS 6805: the Air Noise Standard

[45] It will be recalled that the methods of implementation in the district plan expressly contemplate application of the New Zealand Standard (“NZS 6805:1992”) called “Airport Noise Management and Land Use Planning”. That includes as the main recommended methods of airport noise management⁷⁶:

⁷³ WARMP Vol 2.

⁷⁴ Rule 44.1.1 [WARMP Vol 2 p 44-1].

⁷⁵ Rule 44.1.4.2.2 [WARMP Vol 2 p 44-3].

⁷⁶ NZS 6805 para 1.1.5.



- (a) ... establish[ing] maximum levels of aircraft noise exposure at an Airnoise Boundary, given as a 24 hour daily sound exposure averaged over a three month period (or such other period as is agreed).
- (b) ... establish[ing] a second, and outer, control boundary for the protection of amenity values, and prescribes the maximum sound exposure from aircraft noise at this boundary.

[46] In relation to the latter, NZS 6805 explains:

1.4.2 *The outer control boundary*

1.4.2.1

The outer control boundary defines an area outside the airnoise boundary within which there shall be no new incompatible land uses (see table 2).

1.4.2.2

The predicted 3 month average night-weighted sound exposure at or outside the outer control boundary shall not exceed 10 Pa²s (55 Ldn).

[47] NZS 6805 then describes how to locate the two boundaries. The two important points for present purposes are that once the technical measurements and extrapolations have been made, the decision as to where to locate the two boundaries is made under the procedures⁷⁷ for preparation of district plans under the RMA; and, secondly, that evaluative (normative) decisions have to be made by the local authority under clause 1.4.3.7 as to whether the predicted contours at the chosen date in the future are a “reasonable basis for future land use planning”, taking into account a wide range of factors.

[48] For completeness we record that the standard then refers to two tables which are explained in this way⁷⁸:

1.8 Explanation of tables

C1.8.1

All considerations of annoyance, health and welfare with respect to noise are based on the long term integrated adverse responses of people. There is considerable weight of evidence that a person’s annoyance reaction depends on the average daily sound exposure received. The short term annoyance reaction to individual noise events is not explicitly considered since only the accumulated effects of repeated annoyance can lead to adverse environmental effects on public health and welfare. Thus in all aircraft noise considerations the noise exposure is based on an average day over an extended period of time — usually a yearly or seasonal average. (Further details may be obtained from US EPA publication 500/9-74-004 “Information on levels of environmental noise requisite to protect public health and welfare with an adequate margin of safety”).



⁷⁷ Schedule 1 to the RMA.

⁷⁸ Para 1.8 NZS 6805.

Table 2

[49] A Table 2 is then introduced as follows⁷⁹:

Table 2 enumerates the recommended criteria for land use planning within the outer control boundary i.e. 24 hour average night-weighted sound exposure in excess of 10 Pa²s.

Table 2 states:

RECOMMENDED NOISE CONTROL CRITERIA FOR LAND USE PLANNING INSIDE THE OUTER CONTROL BOUNDARY BUT OUTSIDE THE AIR NOISE BOUNDARY

Sound exposure Pa ² s ⁽¹⁾	Recommended control measures	Day/night level Ldn ⁽²⁾
>10	<p>New residential, schools, hospitals or other noise sensitive uses should be prohibited unless a district plan permits such uses, subject to a requirement to incorporate appropriate acoustic insulation to ensure a satisfactory internal noise environment.</p> <p>Alterations or additions to existing residences or other noise sensitive uses should be fitted with appropriate acoustic insulation and encouragement should be given to ensure a satisfactory internal environment throughout the rest of the building.</p>	>55

NOTE –

- (1) Night-weighted sound exposure in pascal-squared-seconds or “pasques”.
- (2) Day/night level (Ldn) values given are approximate for comparison purposes only and do not form the base for the table.

[50] There is a problem as to what Table 2 means. The MDC’s Commissioners wrote⁸⁰:

There appear ... to be two alternatives we should consider viable:

- (a) that the qualification after the word *unless* only applies if the District Plan presently permits residential activity within the OCB. In such a case the Standard does not consider that the existing ‘development rights’ attaching to the land should be withdrawn on acoustic grounds alone. In such a case mitigation will be a sufficient response; or
- (b) that the qualification after *unless* applies to both existing and new district plan provisions where new residential activity is proposed subject to appropriate acoustic insulation.

They preferred the first interpretation⁸¹.

[51] We are reluctant to step into this debate. It is not our task to establish an outer control boundary in this proceeding and so we do not need to establish the correct meaning of the Standard. We consider the proper approach to the standard is to use it as

⁷⁹ Para 1.8.3 NZS 6805.

⁸⁰ Commissioners’ Decision para 118 [Environment Court document 1.2].

⁸¹ Commissioners’ Decision para 119 [Environment Court document 1.2].



a guide — always bearing in mind, as we have said, that the standard itself involves value judgements as to a range of matters.

2.4 Plan Changes 64 to 71

[52] Following the Southern Marlborough Urban Growth (“SMUGS”) process the council notified Plan Changes 64-71 (“PC64-71”) to rezone areas to meet the demand for residential land. CVL is a submitter in opposition.

[53] As noted by the Omaka Group, these plan changes do not form part of the matters the court is to consider in terms of the legal framework although the need for residential land was one argument put forward in support of PC59⁸². It is submitted by the Omaka Group that, given any future residential shortage will be addressed by PC64 to 71, the court should be cautious in giving weight to the effect of PC59 on this need⁸³. For its part the council says that while that may be the case the court must still make its decision in the context of the relevant planning framework⁸⁴. Notification of PC64 to 71 is a fact and that process is to be separately pursued by the council⁸⁵. While there is no guarantee the plan changes will become operative in their notified form, they are — at most — a relevant consideration under section 32 of the RMA. PC64 to 71 are of very limited assistance to the court since these plan changes are at a very early stage in their development. They had not been heard, let alone, confirmed by the council at the date of the court hearing.

3. **What are the benefits and costs of the proposed rezoning?**

3.1 Section 32 RMA

[54] Under section 290 of the Act, the court stands in the shoes of the local authority and is required to undertake a section 32 evaluation.

[55] Section 32(1) to (5) of the Act, in its form prior to the 2013 amendments⁸⁶, states (relevantly):

32 Consideration of alternatives, benefits, and costs

- (1) In achieving the purpose of this Act, before a ... change, ... is publicly notified, a national policy statement or New Zealand coastal policy statement is notified under section 48, or a regulation is made, an evaluation must be carried out by —
- (a) ...
 - (b) ...
 - (ba) ...

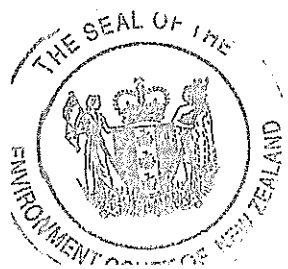
⁸² Closing submissions for Omaka Group, dated 11 October 2013 at [26].

⁸³ Closing submissions for Omaka Group, dated 11 October 2013 at [29].

⁸⁴ Closing submissions for Marlborough District Council, dated 4 October 2013 at [72].

⁸⁵ Closing submissions for Marlborough District Council, dated 4 October 2013 at [48].

⁸⁶ Schedule 12 clause 2 Resource Management Amendment Act 2013: If Part 2 of the amendment Act comes into force on or after the date of the last day for making further submissions on a proposed policy statement or plan (as publicly notified in accordance with clause 7(1)(d) of Schedule 1), then the further evaluation for that proposed policy statement or plan must be undertaken as if Part 2 had not come into force.



- (c) the local authority, for a policy statement or a plan (except for plan changes that have been requested and the request accepted under clause 25(2)(b) ... of Schedule 1); or
 - (d) the person who made the request, for plan changes that have been requested and the request accepted under clause 25(2)(b) ... of the Schedule 1.
- (2) A further evaluation must also be made by —
- (a) a local authority before making a decision under clause 10 or clause 29(4) of the Schedule 1; and
 - (b) ...
- (3) An evaluation must examine —
- (a) the extent to which each objective is the most appropriate way to achieve the purpose of this Act; and
 - (b) whether having regard to their efficiency and effectiveness, the policies, rules, or other methods are the most appropriate for achieving the objectives.
- (4) For the purposes of the examinations referred to in subsections (3) and ... an evaluation must take into account —
- (a) the benefits and costs of policies, rules, or other methods; and
 - (b) the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the policies, rules, or other methods.
- (5) The person required to carry out an evaluation under subsection (1) must prepare a report summarising the evaluation and giving reasons for that evaluation.

[56] Mr T G Quickfall, a planner called by CVL, gave evidence that he prepared PC59 including its section 32 analysis⁸⁷. He relied on that in his evidence-in-chief⁸⁸, writing “I am confident that section 32 has been met”. To the opposite effect Ms J M McNae, a consultant planner called by the council, stated that the section 32 analysis was “inadequate”⁸⁹. The other planners who gave evidence⁹⁰ did not write anything about the plan change in relation to section 32.

3.2 The section 32 analysis in the application for the plan change

[57] In fact, the analysis in the application for the plan change is confusing. Table 2⁹¹ commences by referring to the appropriateness under section 32 of three objectives (in chapters 11, 19 and 23 respectively). However, PC59 does not seek to change any objectives or to add any new ones so that analysis is irrelevant.

[58] Slightly more usefully the next table in the application then contains⁹² a qualitative comparison of the benefits and costs. In summary the Table stated that the proposed changes to explanation; policies, rules and other methods would lead to these benefits: better provision for urban growth, alignment with urban design principles, implements growth strategy and land availability report, implements NZS 4404:2010, provides for more flexible road design and more efficient layout, reduces hard surfaces,

⁸⁷

Section 4 of the proposed plan change dated 28 April 2011.

⁸⁸

T G Quickfall, evidence-in-chief para 30 [Environment Court document 18].

⁸⁹

J M McNae, evidence-in-chief para 40 [Environment Court document 28].

⁹⁰

M J G Garland, M A Lile, P J Hawes and M J Foster.

⁹¹

Proposed Plan Change 28 April 2011 p 25.

⁹²

Proposed Plan Change 28 April 2011 p 26.



increases residential amenity through wider choice of roading types, and recognises Omaka airfield as regional facility and avoids reverse sensitivity effects.

[59] The only costs were the costs of the plan change in his view.

[60] Similarly, the application identified⁹³ the benefits of the proposed zoning as being:

- provides for immediate to short term further growth and residential demand;
- wider range of living and location choices;
- implements urban design principles;
- enables continued operation of Omaka and avoids reverse sensitivity effects; and
- improved connections to Taylor River Reserve.

The costs identified were “the replacement of rural land use with residential land use”.

[61] The application for the plan change identifies it as being more efficient and effective although what PC59 is being compared with is a little obscure — presumably the status quo. That analysis merely makes relatively subjective assertions which are elaborated on more fully in the planners’ evidence. It would have been much more useful if the section 32 report or the evidence had contained quantitative analysis. As the court stated — of section 7 rather than section 32 of the RMA, but the same principle applies — in *Lower Waitaki Management Society Incorporated v Canterbury Regional Council*⁹⁴:

... it is very helpful if the benefits and costs can be quantified because otherwise the section 7(b) analysis merely repeats the qualitative analysis carried out elsewhere in respect of sections 5 to 8 of the Act.

[62] Section 4 of the application for the plan change then assessed⁹⁵ the following “alternative means for implementing the applicant’s intentions”:

- ...
- (i) Do nothing.
 - (ii) Apply for resource consent(s).
 - (iii) Initiate a plan change.
 - (iv) Wait for the final growth strategy.
 - (v) Wait for a council initiated plan change ...

⁹³ Proposed Plan Change 28 April 2011 Table 3 p 26.

⁹⁴ *Lower Waitaki Management Society Incorporated v Canterbury Regional Council* Decision 080/09 (21 September 2009).

⁹⁵ Application for plan change 28 April 2011 pp 27-58.



We have several difficulties with that. First, we doubt if (i) or (v) would implement the applicant’s intentions. Second, the application is drafted with reference to a repealed version of section 32.

3.3 Applying the correct form of section 32 to the benefits and costs

[63] The applicable test is somewhat different. As noted earlier, from 1 August 2003, with minor subsequent amendments, section 32 (in the form we have to consider⁹⁶) requires an examination⁹⁷ of whether, having regard to their efficiency and effectiveness, the policies and methods are the most appropriate for achieving the objectives. Then subsection (4) reads:

- (4) For the purposes of the examinations referred to in subsection (3) and (3A) an evaluation must take into account —
- (a) the benefits and costs of policies, rules, or other methods; and
 - (b) the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the policies, rules, or other methods.

The reference to “alternative means” has been deleted, so read by itself, the applicable version of section 32(4) looks as if a viability analysis — are the proposed activities likely to be profitable? — might suffice. Certainly section 32 analyses are often written as if applicants think that is what is meant. However, the purpose of the benefit/cost analysis in section 32(4) is that it is to be taken into account when deciding the most appropriate policy or method under (here) section 32(3). The phrase “most appropriate” introduces (implicitly) comparison with other reasonably possible policies or methods. Normally in the case of a plan change, those would include the status quo, i.e. the provisions in the district plan without the plan change. Here, as we have said, the recently notified PC64 to 71 are also relevant as options.

[64] Given that the relevant form of section 32 contains no reference to alternatives, the applicant questioned the legal basis for considering alternative uses of the land. Counsel referred to *Environmental Defence Society Incorporated & Sustain Our Sounds v The New Zealand King Salmon Co. Ltd*⁹⁸ where Dobson J stated:

If, in the course of contested consideration of a request for a plan change, a more appropriate means of achieving the objectives is raised, then there is nothing in s 32 or elsewhere in the RMA that would preclude the consenting authority having regard to that as part of its evaluation. That is distinctly different, however, from treating such an assessment as mandatory under s 32.

Given that the High Court decision in that proceeding was appealed direct to the Supreme Court (with special leave) we prefer to express only brief tentative views on the law as to alternatives under section 32. First, that ‘most appropriate’ in section 32

⁹⁶ It was amended again on 3 December 2013 by section 70 Resource Management Amendment Act 2013.

⁹⁷ Section 32(3) RMA.

⁹⁸ *Environmental Defence Society Incorporated & Sustain Our Sounds v The New Zealand King Salmon Company Limited* [2013] NZRMA 371 at [171] (HC).



suggests a choice between at least two options (or, grammatically, three). In other words, comparison with something does appear to be mandatory. The rational choices appear to be the current activity on the land and/or whatever the district plan permits. So we respectfully agree with Dobson J when he stated that consideration of yet other means is not compulsory under the RMA. We would qualify this by suggesting that if the other means were raised by reasonably cogent evidence, fairness suggests the council or, on appeal, the court should look at the further possibilities.

[65] Secondly a review of alternative uses of the resources in question is required at a more fundamental level by section 7(b) of the RMA. That requires the local authority to have particular regard to the “efficient use of natural and physical resources”. The primary question there, it seems to us, is which, of competing potential uses put forward in the evidence, is the more efficient use. We consider that later.

[66] For those reasons, Mr Quickfall was not completely wrong to rely on the analysis in section 4 of the application for the plan change when he relied on its qualitative comparison of alternatives. However, as we have stated the analysis is not, in the end, particularly useful because it adds little to the analysis elsewhere more directly stated in his and other CVL witnesses’ evidence-in-chief.

[67] The only planner to respond in detail on section 32 was Ms McNae for the council. Her analysis⁹⁹ is as unhelpful as Mr Quickfall’s for the same reason: it repeats subjective opinions stated elsewhere¹⁰⁰. We will consider their differences in the context of the next section 32 question, to which we now turn.

4. What are the risks of approving PC59 (or not)?

4.1 Introducing the issues

[68] The second test in section 32 is to consider the risks of acting (approving PC59) or not acting (declining PC59) if there is insufficient certainty or information. We bear in mind that when considering the future, there is almost always some practical uncertainty about possible future environments beyond a year or two. A local authority or, on appeal, the Environment Court has to make probabilistic assessments of the “risk”, recalling that a risk is the product of the probability of an event and its consequences (see *Long Bay Okura Great Park Society v North Shore City Council*¹⁰¹).

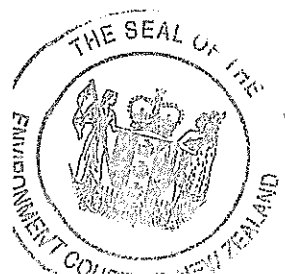
[69] The evidence on the risks of acting¹⁰² (i.e. approving PC59) was that the experts were agreed that the following positive consequences are likely:

⁹⁹ J McNae, evidence-in-chief para 53 [Environment Court document 28].

¹⁰⁰ e.g. J McNae, evidence-in-chief para 54 [Environment Court document 28].

¹⁰¹ *Long Bay Okura Great Park Society v North Shore City Council* A078/2008 at [20] and [45].

¹⁰² See section 32(4) RMA.



- (a) urgent demand for housing will be (partly) met¹⁰³;
- (b) the site has positive attributes¹⁰⁴ for all the critical factors for residential development except for one. That is, the soils and geomorphological conditions and existing infrastructure and stormwater systems are all positive for such development. The exception is that the consequences for the roading network and other transport factors would be merely neutral;
- (c) of the (merely) desirable factors¹⁰⁵, the site only shows positively on one factor — the proximity of recreational possibilities. It is neutral in respect of community, employment and ecological factors, and is said to be negative in respect of landscape although we received minimal evidence on that point;
- (d) although the potential to develop land speedily is not a factor referred to in the district plan, we agree with CVL that it is a positive factor that the land is in single ownership and could be developed in a co-ordinated single way. The 2010 Strategy recognised¹⁰⁶ that with the anticipated growth rates the site might be fully developed within 3.5 years.

[70] The negative consequences of approving PC59 are likely to be:

- (a) that versatile soils would be removed from productivity;
- (b) that some rural amenities would be lost;
- (c) that an opportunity for 'employment' zoning would be lost;
- (d) there is the loss of a buffer for the Omaka airfield;
- (e) there may be adverse effects on future use of Omaka airfield.

[71] The risks of not acting (i.e. refusing PC59) are the obverse of the previous two paragraphs.

[72] Few of the witnesses seemed much concerned with loss of rural productivity. As Mr Quickfall recorded¹⁰⁷ the site contains 21 hectares, and the Rural 3 Zone as a whole covers 17,100 hectares. Development of the whole site would displace 0.1228% from productive use. We prefer his evidence to that of Ms McNae.

¹⁰³ Transcript p 427 (Cross-examination of Mr Bredemeijer).

¹⁰⁴ South Marlborough Urban Growth Strategy May 2010 — summarised in T G Quickfall, evidence-in-chief Table 1 at para 25 [Environment Court document 18].

¹⁰⁵ T G Quickfall, Table 1, evidence-in-chief at para 25 [Environment Court document 18].
¹⁰⁶ 2010 Strategy para 120.

¹⁰⁷ T G Quickfall, evidence-in-chief para 54 [Environment Court document 18].



[73] On the effects of PC59 on rural character and amenity, again we accept the evidence of Mr Quickfall¹⁰⁸ that the site and its surroundings are not typical of the Rural 3 Zone. Rather than being surrounded by yet more acres of grapevines, in fact the site has sealed roads on three sides¹⁰⁹, beyond which are residential zones and some houses on two sides, and the Carlton Corlett land to the south. We accept that rural character and amenity are already compromised¹¹⁰.

[74] The remaining questions raised by the evidence are:

- what is the supply of, and demand for, employment land?
- what is the reasonably foreseeable residential supply and demand in and around Blenheim?
- what is the current intensity of use, and the likely growth of the Omaka and Woodbourne airports?
- what effects would airport noise have on the quantity of residential properties demanded and supplied in the vicinity of the airports?

4.2 Employment land

[75] Obviously the risk of not meeting demand for industrial or employment land is reduced if there is already a good supply of land already zoned. There was a conflict of evidence about this, but before we consider that, we should identify the documents relied on by all the witnesses.

The Marlborough Growth Strategies

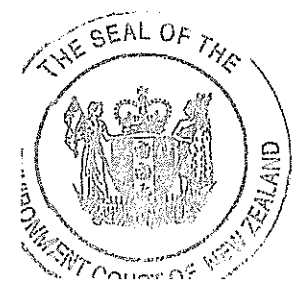
[76] In relation to the CVL land, all the planning witnesses referred to the fact that the MDC has been attempting to develop a longer term growth “strategy” which considers residential and employment growth. There are three relevant documents:

- the “Southern Marlborough Urban Growth Strategy” (“the 2010 Strategy”) (this is the 2010 Strategy already referred to);
- the “Revision of the Strategy for Blenheim’s Urban Growth” (“2012 Strategy”)¹¹¹;
- the “Growing Marlborough ... district-wide ...” (“2013 Strategy”).

It should be noted that the three strategies cover different areas — Southern Marlborough, Blenheim, and the whole district respectively. Further, as Mr Davies reminded us these documents are not statutory instruments.

[77] As we have recorded, PC59 was strongly influenced by the 2010 Strategy, so CVL was disappointed when the 2010 Strategy, after being put out for public

¹⁰⁸ T G Quickfall, evidence-in-chief paras 57 and 58 [Environment Court document 18].
¹⁰⁹ T G Quickfall, evidence-in-chief para 57 [Environment Court document 18].
¹¹⁰ T G Quickfall, evidence-in-chief para 58 [Environment Court document 18].
¹¹¹ C L F Bredemeijer, evidence-in-chief Appendix 3 [Environment Court document 21].



consultation, was revised by the subsequent strategies. The council pointed out that, while the 2010 Strategy was relevant in terms of PC59, it had not undergone the process set out in Schedule 1 of the RMA and so was always subject to change¹¹².

[78] For the reasons given in the 2013 Strategy, Colonial's site (and its proposed PC59) was set aside as an option for Residential zoning and the matter left for this court to determine.

The council's approach

[79] Mr C L F Bredemeijer, of Urbanismplus and on behalf of the council, was the project manager and report author during the processes leading to the three Marlborough Growth Strategies¹¹³. He, in turn, engaged Mr D C Kemp, an economist and employment and development specialist, to investigate employment and associated land issues for the Marlborough region¹¹⁴.

[80] In Mr Kemp's view the traditional rural services at present around the Blenheim town centre should be relocated and provision made for future growth in employment related activities which should be located away from the town centre. The CVL site, according to Mr Kemp, offers "an exceptional opportunity" for accommodating these activities¹¹⁵. He saw a need to protect the site as strategic land for existing, new and future oriented business clusters¹¹⁶.

[81] To quantify the need for employment land up to the year 2031 Mr Kemp considered two scenarios. The first he called the Existing Economy Scenario and the second, a realistic Future Economy Scenario. The latter includes, in addition to all factors considered in the Existing Economy Scenario, consideration of the perceived shortfall in industrial land uses where Marlborough currently has less than expected employment ratios and provides for relocation of existing inappropriately located activities¹¹⁷. For the period 2008 to 2031 the Existing Economy Scenario led to a requirement for 69 hectares of employment land with 120 hectares required for the Future Economy Scenario¹¹⁸. These represent growth rates of 3.0 and 5.2 hectare/year respectively.

[82] Mr Kemp's figures were incorporated into the 2010 Strategy, being referred to as the "minimum" and the "future proofed" requirements¹¹⁹. The latter required:

¹¹² Closing submissions for Marlborough District Council, dated 4 October 2013 at [24].
¹¹³ C L F Bredemeijer, evidence-in-chief para 7 [Environment Court document 21].
¹¹⁴ D C Kemp, evidence-in-chief para 7 [Environment Court document 20].
¹¹⁵ D C Kemp, evidence-in-chief paras 11–19 [Environment Court document 20].
¹¹⁶ D C Kemp, evidence-in-chief para 26 [Environment Court document 20].
¹¹⁷ D C Kemp, evidence-in-chief paras 31 and 35 [Environment Court document 20].
¹¹⁸ D C Kemp, evidence-in-chief paras 33 and 36 [Environment Court document 20].
¹¹⁹ Southern Marlborough Growth Strategy 2010, p 108.



- 63 hectares for small scale Clean Production and Services;
- 7 hectares for Vehicle Sales and Services;
- 24 hectares for larger-scale Transport and Logistics; and
- 30 hectares for other “Difficult to Locate” activities with low visual amenity and potentially offensive impacts.

The 2010 Strategy then notes: “There is clearly sufficient employment land in Blenheim to meet all of these potential needs with the exception of “... 5 ha ...””. The 5 ha refers to land for “difficult to locate activities” which Mr Kemp acknowledged would be inappropriate to place on the site¹²⁰.

[83] Following the 2010 and 2011 Christchurch earthquakes the council sought reports on liquefaction prone land in the vicinity of Blenheim. The reports raised serious concerns about the suitability of some of the land identified for development in the 2010 Strategy. (No liquefaction issues were identified with respect to the site). The council recognised that there would be a severe shortfall of residential and employment land in Blenheim¹²¹ assuming no change to the demand for employment land. Instead of there being “clearly sufficient” land for employment purposes there was now a shortfall of approximately 85 hectares¹²². Mr Hawes, planner for the council, appeared to accept this figure¹²³. The court has no reason to dispute it and thus accepts it as the best estimate of employment land required to future proof Blenheim in this regard until 2031.

[84] To meet the perceived shortfall of 85 hectares, revised strategies for provision of employment land identified a preference for employment land development near Omaka and Woodbourne airports. That near Omaka included the site, which was identified in the 2010 Strategy for residential use¹²⁴ and the Carlton Corlett Trust land to its south¹²⁵. This was seen as a logical progression of employment land north from the Omaka airport to New Renwick Road and as a solution to noise issues. These preferences were carried through to the 2013 Strategy which was released in March 2013 and ratified by the full council on 4 April 2013¹²⁶. We note that neither CVL as the site’s land owner nor adjacent residential owners and occupiers¹²⁷ were consulted about this change in preference from residential to industrial¹²⁸.

¹²⁰ D C Kemp, evidence-in-chief para 25 [Environment Court document 20].

¹²¹ P J Hawes, evidence-in-chief paras 33 and 36 [Environment Court document 22].

¹²² C L F Bredemeijer, evidence-in-chief para 37 [Environment Court document 21].

¹²³ P J Hawes, evidence-in-chief para 36 [Environment Court document 22].

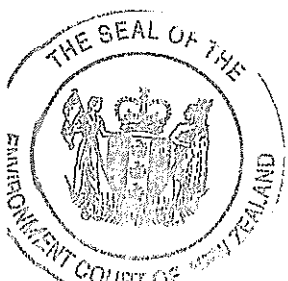
¹²⁴ P J Hawes, evidence-in-chief Figure 1 [Environment Court document 22].

¹²⁵ P J Hawes, evidence-in-chief para 37.3 [Environment Court document 22].

¹²⁶ P J Hawes, evidence-in-chief paras 44 and 46 [Environment Court document 22].

¹²⁷ There are 84 adjacent residential properties, 31 of which face the site along New Renwick Road and Richardson Avenue.

¹²⁸ C L F Bredemeijer, evidence-in-chief paras 44-46 [Environment Court document 21].



[85] The 2013 Strategy summarised planning over the last 5 or 10 years for urban growth as follows¹²⁹:

Land use and growth

The original Southern Marlborough Urban Growth Strategy Proposal catered for residential and employment growth in a variety of locations on the periphery of Blenheim, including the eastern periphery. As explained earlier, the areas to the east of Blenheim were removed from the Strategy as a result of the significant risk and likely severity of the liquefaction hazard. This decision was made by the Environment Committee on 3 May 2012.

The Strategy now focuses residential growth to the north, north-west and west of Blenheim and employment growth to the south-west. In this way, the Strategy will provide certainty in terms of the appropriate direction for growth for the foreseeable future.

The Strategy, including the revision of Blenheim's urban growth, is based on the sustainable urban growth principles presented in Section 2.1. In assessing the suitability of these sites, it was clear that residential activity would encroach onto versatile soils to the north and north-west of Blenheim. The decision to expand in this direction was not taken lightly. However, given the constraints that exist at other locations, the Council did not believe it had any other options to provide for residential growth. The decision was made also knowing that land fragmentation in some of the growth areas had already reduced the productive capacity of the soil.

[86] In summary, the council's strategic vision with respect to provision of employment land is set out in the 2013 Strategy as¹³⁰:

- a further 64 hectares for future general and large scale industry in the Riverlands area;
- additional employment land near the Omaka Aerodrome (53 hectares) and the airport at Woodbourne (15 hectares);
- possible future business parks near Marlborough Hospital, near Omaka and near the airport at Woodbourne.

[87] However, the 2013 Strategy expressly left open the future appropriate development of the (Colonial) site¹³¹:

W2 (or Colonial Vineyard site)

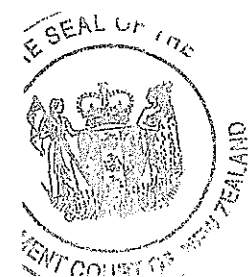
During the process of considering submissions on W2, the owners of the land requested a plan change to rezone the property Urban Residential to facilitate the residential development of the site. The Council declined to make a decision on this growth area to ensure there was no potential to influence the outcome of the plan change process. Given the delay caused by the liquefaction study and the subsequent revision, the plan change request has now been heard by Commissioners and their decision was to decline the request. This decision has been appealed to the Environment Court by the applicant. This appeal will be heard during 2013.

Due to the effect of the liquefaction study on the strategy and the areas it identified for employment opportunities to the east of Blenheim, other areas have now been assessed in terms of their suitability for employment uses. This includes the W2 site and adjoining land in the vicinity of Omaka Aerodrome. Refer to the employment land section below for further details.

¹²⁹ Page 36 of the 2013 Strategy.

¹³⁰ 2013 Strategy, p 30.

¹³¹ C L F Bredemeijer, evidence-in-chief Appendix 4 [Environment Court document 21].



It is noted that if the plan change request is approved by the Court, the subsequent development of the rezoned land will assist to achieve the objectives of this strategy. If the Court does not approve the plan change then the Council will be able to promote Area 8 as an alternative.

CVL's approach

[88] Mr Kemp's approach was challenged by the applicant's witnesses on the grounds that:

- much industrial expansion and new employment occurs in the rural zone as discretionary activities. This reduces the need for industrial zoning. This factor was not mentioned by Mr Kemp¹³²;
- Mr Kemp's projections require an additional 3,650 employees to support them while Statistics New Zealand's projection of population growth for the same period is 2,700 persons¹³³;
- use of only one year's data on which to base projections is inappropriate. That the year is a boom year, 2008, and prior to the global financial crisis caused further concern¹³⁴.

[89] In predicting the future need for employment land CVL's witnesses preferred to consider the past take up of industrial land and to account for the areas of land available at present for employment land. They also considered which industries would be likely to develop on or relocate to the site. Mr T P McGrail, a professional surveyor, compared land use as delineated in a 2005 report to council with the existing situation for what he described as business and industrial uses. Noting the area of land available for these uses in 2005 was essentially the same as that available in 2013 he concluded the net take up of vacant land since 2005 has been "very low"¹³⁵. As an example he records that in May 2008 54 hectares was rezoned at Riverlands but no take up of this land has occurred in the 5 years it has been available¹³⁶. His evidence was that there have been three greenfield industrial subdivisions in the Blenheim area in the last 34 years of which 19 hectares has been developed¹³⁷. This is at a rate of 0.56 hectares/year. That contrasts with the growth rates of 3.0 and 5.2 hectares/year adopted by Mr Kemp and noted above.

[90] In considering which industries may chose to locate or relocate to the site, Mr McGrail dismissed wet industries (on advice from the council) together with processing of forestry products and noxious industries including wool scouring and sea food processing on the basis of their effects on neighbouring residents¹³⁸. Other employment uses discussed by Mr McGrail were aviation, large format retail and business. Due to

¹³² T P McGrail, Rebuttal evidence paras 37 and 38 [Environment Court document 9A].

¹³³ T J Heath, Rebuttal evidence para 58 [Environment Court document 16].

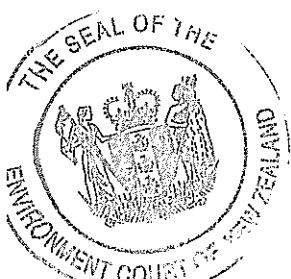
¹³⁴ T J Heath, Rebuttal evidence para 58 [Environment Court document 16].

¹³⁵ T P McGrail, Rebuttal evidence paras 3–6 [Environment Court document 9A].

¹³⁶ T P McGrail, Rebuttal evidence para 33 [Environment Court document 9A].

¹³⁷ T P McGrail, Rebuttal evidence paras 26 and 28 [Environment Court document 9A].

¹³⁸ T P McGrail, Rebuttal evidence paras 8–10 [Environment Court document 9A].



the Carlton Corlett Trust land's proximity to the airfield it would be preferred to the site for aviation related industries. This 31 hectares together with 42 hectares designated as Area 10, located immediately to the northwest of Omaka airfield, gives 73 hectares of land better suited to employment (particularly aviation) uses than the site.

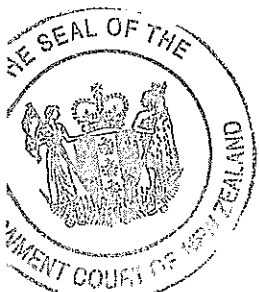
[91] Council has identified five areas, including the site, which are available for large format retail. Mr McGrail believed large format retail is well catered for even if the site becomes residential¹³⁹. He also considered that some 50% of the types of business presently in Blenheim would not choose to locate or relocate to the site because they would lose the advantages that accrue by being close to main traffic routes and the town centre¹⁴⁰. This underlay his skepticism of Mr Kemp's projections for business uptake of the site¹⁴¹.

[92] Mr T J Heath, an urban demographer and founding Director of Property Economics Limited, was asked by CVL to determine if there was any justification for the council preferred employment zoning of the site¹⁴². To do so he assessed the demand for employment land using his company's land demand projection model. This uses Statistics New Zealand Medium Series population forecasts, historical business trends and accounts for a changing demographic profile in Marlborough. It first predicts increases in industrial employment which are then converted to a gross land requirement¹⁴³. Use of this model to predict the need for future employment land was not challenged during the hearing.

[93] Industrial employment projections from the model suggested a 28% increase over the period 2013 to 2031 which translated to a gross land requirement of 49 hectares¹⁴⁴. This result is considered by Mr Heath to be "towards the upper end of the required industrial land over the next 18 years". Two other scenarios are presented in his Table 3 each of which results in a smaller requirement¹⁴⁵. Mr Heath then relied upon Mr McGrail's estimates of presently available employment land which totalled 103 hectares¹⁴⁶. This comprised the 19 hectares identified by Mr McGrail and referred to above plus the 84 hectares of land available at Riverlands¹⁴⁷.

[94] During cross examination Mr Heath stated¹⁴⁸ "My analysis shows me you have zoned all the land required to meet the future requirements out to 2031". This was a reiteration of his rebuttal evidence where he wrote¹⁴⁹ "even at the upper bounds of

¹³⁹ T P McGrail, Rebuttal evidence para 19 [Environment Court document 9A].
¹⁴⁰ T P McGrail, Rebuttal evidence para 21 [Environment Court document 9A].
¹⁴¹ T P McGrail, Rebuttal evidence paras 21 and 22 [Environment Court document 9A].
¹⁴² T J Heath, Rebuttal evidence para 6 [Environment Court document 16].
¹⁴³ T J Heath, Rebuttal evidence para 31 [Environment Court document 16].
¹⁴⁴ T J Heath, Rebuttal evidence Table 3 [Environment Court document 16].
¹⁴⁵ T J Heath, Rebuttal evidence paras 35 and 36 [Environment Court document 16].
¹⁴⁶ T J Heath, Rebuttal evidence Table 4 [Environment Court document 16].
¹⁴⁷ T P McGrail, Rebuttal evidence Figure 2.
¹⁴⁸ Transcript p 315.
¹⁴⁹ T J Heath, Rebuttal evidence para 39 [Environment Court document 16].



49 hectares, there is clearly more than sufficient industrial land to meet Blenheim's and in fact Marlborough's future industrial needs ...".

Findings

[95] We ignore the 15 hectares near Woodbourne as this is Crown land that could form part of a Treaty settlement for Te Tau Ihu Iwi¹⁵⁰. Its future is thus uncertain. The 53 hectares near Omaka includes the site (21.7 hectares) and the Carlton Corlett Trust land (31.3 hectares). The land owner of the latter has expressed a desire to develop the property to provide for employment opportunities¹⁵¹. Indeed, together the Carlton Corlett Trust land (31 hectares) and the further 64 hectares at Riverlands total 91.3 hectares. This is in excess of the 85 hectares sought by council for its future proofing to 2031.

[96] In addition to the lands listed above, council has identified 42 hectares of land (referred to as Area 10) to the west of Aerodrome road and north of the airfield for additional employment growth in the long term¹⁵².

[97] The council strategy requires 89 hectares of employment land to future proof the need for such land in the vicinity of Blenheim. There is at present sufficient land available to provide for this without any rezoning. We conclude the need for employment land within a planning horizon of 18 years (to 2031) is not a factor weighing against the requested plan change.

4.3 Residential supply and demand

[98] Prior to 2011, there was a demand for between 100 and 150 houses a year and an availability of approximately 1,000 greenfield sites¹⁵³. Based on that, counsel for the Omaka Group submitted there is no evidence that the alleged future shortfall will materialise before further greenfield sites are made available¹⁵⁴. We are unsure what to make of that submission because counsel did not explain what he meant by "shortfall". There is not usually a general shortfall. Excess demand is an excess of a quantity demanded at a price. In relation to the housing market(s), excess demand of houses (a shortfall in supply) is an excess of houses demanded at entry level and average prices over the quantity supplied at those prices.

[99] Mr Hayward gave evidence for CVL that there has been "a subnormal amount of residential land coming forward from residential development in Marlborough"¹⁵⁵. He also stated that there was an imbalance between supply and demand, with a greater quantity demanded than supply¹⁵⁶. Further, none of the witnesses disputed Mr Hawes'

¹⁵⁰ 2013 Strategy, p 41.

¹⁵¹ 2013 Strategy, p 40.

¹⁵² 2013 Strategy, p 40.

¹⁵³ Environmental Management Services Limited report, dated 11 January 2011.

¹⁵⁴ Closing submissions for Omaka at [101].

¹⁵⁵ A C Hayward, Transcript at p 98, lines 10-15.

¹⁵⁶ A C Hayward, Transcript at p 103, lines 20-25.



evidence¹⁵⁷ that the Strategies are clear that there is likely to be a severe shortfall of residential land in Blenheim if more land is not zoned for that purpose.

[100] Plan Changes 64 to 71 would potentially enable more residential sections to be supplied to the housing market. However, in view of the existence of submissions on these plan changes, we consider the alternatives represented by those plan changes are too uncertain to make reasonable predictions about.

[101] We find that one of the risks of not approving PC59 is that the quantity of houses supplied in Blenheim at average (or below) prices is likely to decrease relative to the quantity likely to be demanded. That will have the consequence that house prices increase.

4.4 Airports

[102] In view of the importance placed on the Woodbourne Airport in the RPS, it was interesting to read the 2005 assessment by Mr M Barber in his report¹⁵⁸ entitled “Air Transport - Provision for the future use, development and protection of air transport facilities in Marlborough District – Part 1 Issues and options”. He wrote¹⁵⁹ of Omaka:

The principal threats to the sustainable use of Omaka Aerodrome arise from its proximity to Woodbourne/Blenheim Airport, the potential for encroachment on the obstacle limitation surfaces, and urban or rural-residential encroachment.

[103] Currently Omaka aerodrome may expand its operations as a permitted activity. However, it is uncertain what restrictions or protection may be put in place for Omaka by way of a future plan change process and it is in this uncertain context that the court is asked to determine what the likely noise effects of the airfield will be in the future.

[104] The Omaka Group argued that, given the uncertainty around the air noise boundary and outer control boundary which are likely to be imposed in the future, it is helpful to have regard to the capacity of the airfield. Although, as Mr Day conceded in cross-examination¹⁶⁰, the capacity approach is unusual, the Omaka Group argued it is sensible in the context of uncertainty about the level of use to consider the capacity of the airfield. This would allow for full growth in the future, regardless of the current recession¹⁶¹. CVL responded that the capacity approach is an argument not advanced by any witness and so there is no evidence as to the capacity of the airfield¹⁶².

¹⁵⁷ P J Hawes, evidence-in-chief paras 33 and 36 [Environment Court document 22].

¹⁵⁸ P J Hawes, evidence-in-chief Appendix 2 [Environment Court document 22].

¹⁵⁹ M Barber, “Air Transport - Provision for the future use, development and protection of air transport facilities in Marlborough District – Part 1 Issues and options” 8 December 2005 at p 40. (Appendix 2 to the evidence-in-chief of P J Hawes) [Environment Court document 22].

¹⁶⁰ Transcript 501 line 3.

¹⁶¹ Closing submissions for Omaka at 81-82.

¹⁶² Closing submissions for Colonial Vineyards Ltd at 161.



[105] Mr Barber in his 2005 report wrote in relation to the potential for urban encroachment¹⁶³:

Clearly, there is considerable existing and future potential for urban residential development to the south-west of Blenheim which could result in encroachment on Omaka Aerodrome. To avoid possible adverse effects on the future safe and efficient operation of the aerodrome, it is important that the area likely to be subject to aircraft noise in the future be identified and appropriate protection measures be incorporated in the District Plan.

4.5 Noise

[106] In relation to the risks of acting when there is insufficient certainty and/or information about the subject matter of the policies or methods, we observe that the uncertainties are not about the current environment but about the environment in 15 or 25 years' time.

[107] Similarly the Marlborough Aviation Group was aware of the issue in 2008. As a former President, Mr J McIntyre, admitted in cross-examination¹⁶⁴, he wrote¹⁶⁵ of The Marlborough Aero Club Inc. in the President's Annual Report for 2008:

The opening of the Airpark adjacent to the Aviation Heritage Centre is a positive aspect of this, but has thrown up some curly questions as to how operations should take place from this area. Concurrent with increased numbers of aircraft (of all types) is the concern that we will draw undue attention to ourselves with noise complaints, as we are squeezed by ever-increasing urban encroachment. On this front, it does not help that the District Council did not see fit to have the fact that airfield exists included in developer's information and LIM reports for the new sub division up Taylor Pass Road.

Current airport activity

[108] The site lies under the 01/19 vector runways¹⁶⁶ of the Omaka airfield. Thus it is subject to some noise from aircraft taxiing, taking off and landing. How much noise was a subject of considerable dispute.

[109] Two methods of assessing aircraft noise were put forward. CVL produced the evidence of Mr D S Park based on 2013 measurements and extrapolations. In December 2012 Mr Park had installed a system at the site for recording the radio transmissions made by pilots operating at Omaka. In this way he sought an understanding of aircraft noise data obtained at the site as described by Dr Trevathan¹⁶⁷ and to aid in the analysis of that data. In contrast the MDC and the aviation cluster initially relied on data collected at Woodbourne between 1997 and 2008 ("the Tower data"), extrapolated to the present. They later based their predictions out to 2039 on Mr Park's measurements, as discussed below.

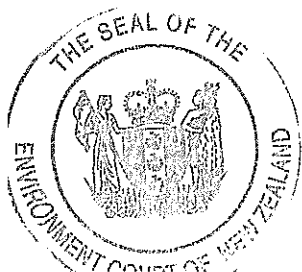
¹⁶³ M Barber, "Air Transport - Provision for the future use, development and protection of air transport facilities in Marlborough District – Part 1 Issues and options" 8 December 2005 at p 42. (Appendix 2 to the evidence-in-chief of P J Hawes) [Environment Court document 22].

¹⁶⁴ Transcript p 732 lines 15-20 (Tuesday 17 September 2013).

¹⁶⁵ Exhibit 35.1.

¹⁶⁶ i.e. runways on which aircraft taking off are on bearings of 10° and its reciprocal 190° (magnetic) respectively.

¹⁶⁷ J W Trevathan, evidence-in-chief para 5.1 [Environment Court document 14].



[110] Mr Park's figures relied on the fact that at unattended aerodromes, such as Omaka, it is normal for pilots to transmit, by radio, a VHF transmission, their intentions to take off or to land and their intended flight path. While this is a safety procedure it also provides a record of movements to and from the aerodrome. Once recorded on Mr Park's equipment the VHF transmissions were analysed to provide¹⁶⁸:

- the number of takeoffs and landings by radio equipped aircraft at Omaka during the recording period;
- the approximate time of each movement;
- the runway used during each movement; and
- the aircraft registration.

An aircraft's registration allows it to be identified and thus categorised as either a helicopter or a fixed wing aircraft and, if the latter, as having either a fixed or a variable pitch propeller. This is necessary as the two types have different noise signatures with the variable pitch propellers being the louder. Helicopters are noiser again.

[111] The runway information suggests which movements are likely to have resulted in a noise event being recorded by the equipment on the site.

[112] At the time of filing his evidence-in-chief (22 February 2013) Mr Park had data from the period 10 January – 9 February 2013 only, which he acknowledged¹⁶⁹ was "a relatively short time". His rebuttal evidence filed on 3 July 2013 reported on data from the period 10 January – 8 April 2013. Data from the Easter Air Show was not captured as that used a different transmission frequency¹⁷⁰. Data from 81 days was analysed, there being over 30,000 transmissions of which 7,553 related to movements at Omaka: 7,082 were fixed wing aircraft and 471 were helicopters.

[113] The results of Mr Park's monitoring were given as¹⁷¹:

• average fixed wing movements/day	87.4
• average fixed wing movements/night	0.8
• average helicopter movements/day	5.8
• average helicopter movements/night	0.6
• average use of runway 01 for takeoffs	26%
• ratio fixed pitch/variable pitch	84%/16%

¹⁶⁸

D S Park, evidence-in-chief para 4.6 [Environment Court document 13].

¹⁶⁹

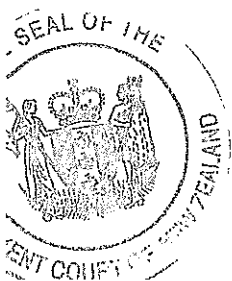
D S Park, evidence-in-chief para 5.8 [Environment Court document 13].

¹⁷⁰

D S Park, Rebuttal evidence para 11.2 [Environment Court document 13A].

¹⁷¹

D S Park, Rebuttal evidence para 11.4 [Environment Court document 13].



These numbers are subject to error from a number of causes including aircraft not equipped with radio, pilots choosing not to transmit their intentions, or by confusion of call signs. Mr Park chose to account for this by adding 10% to the recorded numbers: some 750 extra movements¹⁷². He also added 1.1 helicopter movements/night to reflect a suggestion from Mr Dodson that some night helicopter movements had been missed¹⁷³. Whether this was before or after the 10% increase was not stated. The results of these adjustments¹⁷⁴ are given in terms of averages per day as:

- fixed wing 96.1
- helicopter 8.0

Mr Park noted¹⁷⁵ that the entry for helicopters should have been 7.5 flights per day. The quoted figure of 8.0 was retained by Mr Park and used in his subsequent projections of future helicopter movements.

[114] These figures are difficult but not impossible to understand. In summary:

- the figure of 96.1 fixed wing flights is an increase of 10% on the recorded figure for fixed wing movements/day of 87.4. The night movements of fixed wing aircraft are thus not included in the adjusted figures. We infer that the term “averages per day” used in connection with these figures means day time flights only;
- the figure of 7.5 helicopter flights can be obtained by increasing the recorded 5.8 day time helicopter flights by 10% and then adding 1.1. However this is mixing day and night flights and may well be a coincidence. For day flights only a 10% increase gives 6.4 flights, a figure that would fit into the averages per day table above. If the total of recorded day time plus night time helicopter flights (6.4) is increased by 10% and 1.1 flights added the result is 8.1 flights, a figure close to that used by Mr Park in his projections;
- of the fixed wing movements only those takeoffs from Runway 01 are assumed by Mr Park to result in noise effects on the site¹⁷⁶. He reports 26.2% of day time fixed wing movements and 2.8% of fixed wing night time movements occur on Runway 01. Of the helicopter movements 25% of those departures to the north from Runways 01 and 07 together with 16.1% of those arrivals from the north on Runways 19, 25 and 30 were considered by Mr Park to have a noise effect on the site.

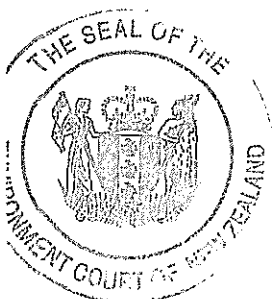
¹⁷² D S Park, Supplementary evidence para 3.4 [Environment Court document 13B].

¹⁷³ D S Park, Rebuttal evidence para 11.6(b) [Environment Court document 13A].

¹⁷⁴ D S Park, Rebuttal evidence para 11.11 [Environment Court document 13A].

¹⁷⁵ Transcript p 143 lines 21-24.

¹⁷⁶ D S Park, Rebuttal evidence para 11.12 [Environment Court document 13A].



[115] Dr Trevathan was asked¹⁷⁷ to provide a current 55 dB Ldn contour based on Mr Park's data from the period 10 January to 8 April 2013 for aircraft movements that affect the site. This contour is shown as crossing the Carlton Corlett land in a generally east/west direction and at least 180 metres from the site¹⁷⁸. We find that helicopters departing and arriving fly directly¹⁷⁹ over the site at present. Dr Trevathan's modeling confirms that these flights make a significant contribution to the average noise levels experienced on the site. Similarly, flight paths for departures and arrivals from the east — on the 07/29 vector runways — lie directly over the residential area to the east of Taylor River¹⁸⁰.

[116] Mr A Johns, a member of the Marlborough Aero Club, challenged the reliability of Mr Park's VHF recordings and the data derived from them. He was concerned about the presence of unrecorded aircraft movements which included those by aircraft not equipped with radios, movements which the pilot chose not to report and those associated with the Air Show held at Easter 2013. Possible misidentification of aircraft type which would lead to an incorrect noise signature being assigned and the percentage of movements allocated to Runway 01 were other concerns. Mr Johns' information was based on his knowledge of actual use of Omaka airfield from, presumably, records held by the Marlborough Aero Club. Mr Park through his company, Astral Limited, sought access to these records¹⁸¹ which would have allowed him to assess the accuracy of his VHF results. This request was declined¹⁸² as the Omaka Group and the Aero Club did not consider the request "had merit". We note that Mr Johns did not produce any of these records in his evidence preferring simply to give aircraft types and movement percentages that cannot be verified. Since the Marlborough Aero Club did not cooperate with Mr Park's reasonable request, we prefer the latter's evidence.

[117] With respect to the flights associated with the Air Show Mr Park, based on his experience as chair of the Ardmore Airport Noise Committee, expressed the view that these would be excluded from any noise evaluation and expressly provided for in any Noise Management Plan that the Aero Club might produce and in any special recognition the council may wish to give the Air Show in the District Plan¹⁸³.

[118] Mr Johns gave a list¹⁸⁴ of historic aircraft which were misidentified as modern aircraft. Having been identified by Mr Park the movements made by these aircraft would have been recorded and thus included in the total number of movements. It is

¹⁷⁷ J W Trevathan, Rebuttal evidence para 3.1 [Environment Court document 14A].

¹⁷⁸ J W Trevathan, Supplementary evidence Attachment 2 [Environment Court document 14B].

¹⁷⁹ D S Park, evidence-in-chief para 65 [Environment Court document 13].

¹⁸⁰ D S Park, evidence-in-chief Annexure 3, Figures 5 and 6 [Environment Court document 13].

¹⁸¹ D S Park, Supplementary evidence para 3.1 and Exhibit A [Environment Court document 13B].

¹⁸² D S Park, Supplementary evidence para 3.1 and Exhibit B [Environment Court document 13B].

¹⁸³ D S Park, Rebuttal evidence para 8.2 and Supplementary evidence para 3.23 [Environment Court documents 13A and 13B respectively].

¹⁸⁴ A Johns, Supplementary evidence para 18 [Environment Court document 24A].



likely the assigned noise category would have been in error. Reference to 48 flights of an Avro Anson, a World War II bomber, that appeared to have been missed by Mr Park was made by Mr Johns¹⁸⁵. In his oral evidence¹⁸⁶ he stated that subsequent to filing his written evidence he had identified that the bomber had used a call sign unknown to Mr Park and that at least half the bomber's flights had been recorded, but not recognised as such, by Mr Park.

[119] Another consideration which adds uncertainty is that the split between variable pitch and fixed pitch propeller aircraft will influence the location of any derived contour¹⁸⁷. Mr Johns, from a "back of the envelope" calculation, suggested aircraft with variable pitch propellers make up close to 20% of the total fixed wing aircraft movements¹⁸⁸. Mr Park's measurements over the three month period indicated a figure of 16%.

[120] Mr Park's recordings indicated runway 01 was used for 26.2% of the fixed wing takeoff movements¹⁸⁹. Mr Johns, having made allowance for the interruption to movements on runway 01 from the Air Show, suggested 28% which he noted was closer to the estimate provided by Mr Sinclair for the modelling done by Mr Hegley for the council¹⁹⁰. In taking all these perceived deficiencies in Mr Park's recording and analysis into account¹⁹¹ Mr Johns believed "a greater level of error should be allowed for than the 10% suggested by Mr Park". No alternative figure was produced by Mr Johns. We found that the 10% increase in movements (over 700) allowed by Mr Park is more than sufficient to cover at most 24 flights (48 movements) by the bomber that may have been missed.

Findings

[121] We prefer Mr Park's data set to that of the Aero Club because the latter derives from flights at a period of unusually intense activity immediately prior to the global financial crisis. For example, on the numbers of flights in 2008, Mr J McIntyre wrote¹⁹² in the President's Annual Report for 2008:

After dipping slightly last year, flying hours were up again with 2288 hours chalked up for the Clubs 80th year. This is the highest since 1990/91 and is heartening in the face of rocketing fuel prices and escalating charges from all quarters.

The 2013 base data from Mr Park can be used to predict the location of noise contours near and over the site in 2038. The court is not charged with fixing these contours and indeed does not have sufficient information to do so. Rather, we are interested in the

¹⁸⁵ A Johns, Supplementary evidence para 20 [Environment Court document 24A].

¹⁸⁶ Transcript pp 525-526.

¹⁸⁷ As recorded above: Variable pitch propellers are louder than fixed pitch propellers.

¹⁸⁸ A Johns, Supplementary evidence para 30 [Environment Court document 24A].

¹⁸⁹ D S Park, Rebuttal evidence para 11. 12 [Environment Court document 13].

¹⁹⁰ A Johns, Supplementary evidence para 33 [Environment Court document 24A].

¹⁹¹ A Johns, Supplementary evidence para 43 [Environment Court document 24A].

¹⁹² Exhibit 35.1.



contours as an indication of what could happen in the next 25 years. For this purpose we are satisfied that Mr Park's data is an appropriate base from which to project forward.

Future noise

[122] In fact some attempts had been made to establish likely noise contours. The experts endeavoured to formulate a growth rate and applied it to the current use to calculate the contours which would restrict the airfield's growth. Mr Park and Dr Trevathan, the experts for CVL, adopted a compounding annual growth rate of 2.7% for fixed wing aircraft¹⁹³. Mr Foster, for the council, gave unchallenged evidence that were a proposed World War II fighter squadron project to eventuate then a 4% per annum growth rate would be more realistic¹⁹⁴. Looking at the Tower data one could calculate a compounding growth rate of 4.4%¹⁹⁵ which provides support for Mr Foster's proposed growth rate. Omaka submits that any certainty in the contours proposed by Dr Trevathan is diminished by the uncertainty around the flight numbers supplied by Mr Park¹⁹⁶.

[123] Parallel to the SMUGS process, the council commissioned reports from Hegley Acoustic Consultants as an initial step to introducing airnoise boundaries and outer control boundaries.

[124] Mr R Hegley, of Hegley Acoustic Consultants, was commissioned in 2007 to undertake acoustic modelling of Omaka airfield¹⁹⁷. He based his model on data provided by Mr Sinclair¹⁹⁸ which included growth rates to determine aircraft numbers up to the selected design year of 2028. These growth rates were not recorded in Mr Hegley's evidence. Mr Park deduced, from Mr Sinclair's evidence to the initial hearing¹⁹⁹, that they were²⁰⁰:

- fixed wing 2.7% per annum
- helicopter 10% per annum

The projected values used by Mr Hegley to derive his 55 dB Ldn contour were not recorded in his evidence.

[125] Mr Park²⁰¹ used Mr Hegley's growth rates to project his one month of recorded movements out to 2028 and provided the data to Dr Trevathan for his derivation of the

¹⁹³ Transcript at 178 line 32ff.

¹⁹⁴ M J Foster, evidence-in-chief at [6.17] [Environment Court document 23].

¹⁹⁵ A Johns, supplementary evidence at [12].

¹⁹⁶ Closing submissions for Omaka at 53.

¹⁹⁷ R L Hegley, evidence-in-chief para 5 [Environment Court document 25].

¹⁹⁸ R L Hegley, evidence-in-chief para 17 [Environment Court document 25].

¹⁹⁹ D S Park, evidence-in-chief Annexure 1A [Environment Court document 13].

²⁰⁰ D S Park, evidence-in-chief paras 5.12–5.16 [Environment Court document 13].

²⁰¹ D S Park, evidence-in-chief, para 5.19 [Environment Court document 13].



resultant 55 dB Ldn contour. Doubt was expressed by Mr Park over the 10% growth rate for helicopters which he considered excessive²⁰².

[126] Initial projections used by Mr Hegley on behalf of the council were 20 year projections from 2008, i.e. out to 2028. In preparing for the hearing all witnesses agreed this was too short for airport planning and agreed 2038 to be an appropriate planning horizon. The rates of growth in fixed wing and helicopter movements were not agreed.

[127] With concern having been expressed by a number of witnesses in their evidence-in-chief over the inadequacy of a 2028 design year, attention turned to providing projections out to the agreed year of 2038. Mr Hegley was instructed by the council to project out to 2038 retaining the 2.7% and 10% per annum growth rates for fixed wing and helicopters respectively²⁰³. He was asked to use the aircraft flight numbers as presented in Dr Trevathan's evidence-in-chief²⁰⁴. These figures came from Mr Park and were thus based on his one month of VHF recorded data. At this point all use of the alternate data set favoured by the Airport Cluster and the Aero Club ceased.

[128] Mr Park also considered the 2038 design year. He retained the 2.7% growth rate to 2038 for fixed wing aircraft and used a 6.6% growth rate for helicopters both applied to his three month 2013 base data²⁰⁵. The latter he considered appropriate in view of the CAA helicopter registration records²⁰⁶ which show a 4.4% per annum growth rate from 1993 until 2013 with a period (8 years) having a maximum growth rate of 7.8% per annum. The 6.6% rate is 50% above the long term growth rate and will result in almost five times as many helicopter movements in 2038 suggesting up to 35 helicopters will be operating from Omaka at that time. In Mr Park's view the 6.6% growth rate is adequate to account for the special nature of helicopter operations from Omaka²⁰⁷. The planning consultant²⁰⁸ for the council, Mr Foster, who has extensive experience in airport planning, stated that the 2.7% growth rate for fixed wing aircraft is not unreasonable²⁰⁹ and that 6.6% as a growth rate for helicopters is realistic²¹⁰.

[129] Using these growth rates and Mr Park's adjusted 2013 data for flight movements the projected movements for 2038 expressed as averages per day are²¹¹:

- fixed wing 187.1
- helicopter 39.7

²⁰² D S Park, evidence-in-chief, para 5.17 [Environment Court document 13].

²⁰³ R L Hegley, evidence-in-chief para 29 [Environment Court document 25].

²⁰⁴ R L Hegley, evidence-in-chief para 27 [Environment Court document 25].

²⁰⁵ D S Park, Rebuttal evidence, para 11.7 [Environment Court document 13].

²⁰⁶ D S Park, Rebuttal evidence Annexure 1 [Environment Court document 13A].

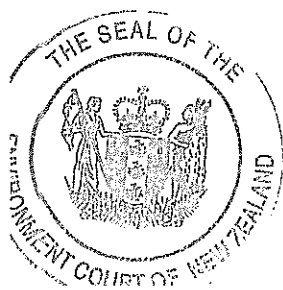
²⁰⁷ D S Park, Rebuttal evidence paras 11.9 and 11.10 [Environment Court document 13A].

²⁰⁸ M J Foster, evidence-in-chief paras 1.2 – 1.4 [Environment Court document 27].

²⁰⁹ M J Foster, evidence-in-chief para 6.27 [Environment Court document 27].

²¹⁰ Transcript at 646 line 24.

²¹¹ D S Park, Rebuttal evidence para 11.11 [Environment Court document 13A].



The percentages of these flights to affect the site were assumed to be the same as those derived from Mr Park's 2013 data.

The 55 dB Ldn contours

[130] Noise contours are produced using software referred to as an Integrated Noise Model ("INM"). The acoustic experts agreed²¹² this software was appropriate to predict future noise levels at Omaka airfield and that the model aircraft types and settings that have been developed by Mr Hegley and Marshall Day Acoustics and confirmed by Dr Trevathan's measurements to be appropriate. The software requires at a minimum the input of runway locations, aircraft types and numbers of flights and flight tracks. There is disagreement over the helicopter flight tracks that should be modelled.

[131] Helicopters taking off towards and landing from the north currently track over the site²¹³. Mr Hegley has used these tracks in his INM modelling. Mr Park believes these tracks create unnecessary disturbance over the site and to adjacent residential areas²¹⁴. He thus proposed "helicopter noise abatement flight paths". On takeoff to the north a helicopter would veer slightly right and as it crossed New Renwick Road it would turn left and follow the Taylor River. Approaches from the north would come along the river and turn right to reach the eastern edge of the airfield²¹⁵. Such noise abatement paths, according to Mr Park, are in common use at other aerodromes in New Zealand and are in accord with both the Aviation Industry Association of New Zealand's code of practice for noise abatement and Helicopter Association International guidelines²¹⁶.

[132] Mr M Hunt, an acoustics expert for the council, found the use of selected flight paths to reduce noise on the ground to be highly unusual but not unheard of. He was also concerned over the practicality of the paths suggested by Mr Park and how they could be imposed and enforced²¹⁷. Mr Day, acoustic consultant to the Omaka Group, also found the approach unusual in that it moved flight paths so as to push the noise over existing residences to avoid noise on a future residential development²¹⁸. This criticism was echoed by Mr Dodson, Managing Director of Marlborough Helicopters and holder of a Commercial Helicopter Pilot Licence. He described the noise abatement tracks as "clearly an inferior option from a noise abatement perspective and arguably is a less safe option"²¹⁹.

[133] Opinion as to the efficacy of the abatement paths was clearly divided. One reason is that no evaluation of the noise effects generated by flights along the abatement

²¹² Joint Statement of Acoustic Experts dated 21 August 2013 Exhibit 14.1 para 5.
²¹³ D S Park, evidence-in-chief Annexure 3 figures 5 and 6 [Environment Court document 13].
²¹⁴ D S Park, evidence-in-chief para 6.9 [Environment Court document 13].
²¹⁵ D S Park, evidence-in-chief Annexure 3 figure 8 [Environment Court document 13].
²¹⁶ D S Park, evidence-in-chief paras 6.10–6.15 [Environment Court document 13].
²¹⁷ M J Hunt, evidence-in-chief paras 55 and 58 [Environment Court document 26].
²¹⁸ C W Day, evidence-in-chief para 3.6 [Environment Court document 23].
²¹⁹ O J Dodson, evidence-in-chief para 21 [Environment Court document 30].



paths, and in particular on the residences along the river, has been carried out. The court has no power to introduce or enforce any flight paths and offers no view as to the appropriateness of the proposed paths at Omaka.

[134] The court received a number of 55 dB Ldn contours from the parties each derived under different assumptions. We list each contour received:

- Mr Hegley’s 2028 contours: errors in the derivation of his first contour were corrected with a second contour being produced. Because both contours were for only 15 years in the future, they are disregarded.
- Mr Hegley’s 2038 contour: this incorporates Mr Park’s flight information for Runway 01 from one month of VHF recordings, annual growth rates of 2.7% and 10% for fixed wing aircraft and helicopter movements respectively, and uses the current flight paths from all runways. This contour crosses the site in an east/west direction with some 45% (9.6 ha)²²⁰ of the site inside the contour.
- Dr Trevathan’s 2028 contour: being only a 15 year projected contour this too is disregarded.
- Dr Trevathan’s 2038 contours: all four contours are based on the three months (10 January – 8 April 2013) of recorded VHF data and a 2.7% growth rate for fixed wing aircraft movements. Two annual growth rates for helicopter movements, 6.6% and 7.7% (being 10% to 2028 and 4.4% for 2028 -2038), are used and for each there are contours with and without helicopter noise abatement paths.

[135] Dr Trevathan’s contours all cross the site from east to west at varying distances from the southern boundary. The most intrusive contour is the 7.7% annual growth rate for helicopters with no abatement paths. It is at most 112.1 metres from the boundary²²¹ and encompasses 3.84 hectares. The least intrusive contour is the 6.6% annual growth rate for helicopters with abatement paths. This contour is not more than 42.9 metres from the boundary²²². It encompasses 1.11 hectares.

[136] Dr Trevathan’s contour assumed that helicopters would use “noise abatement flight paths” where helicopters alter course shortly after takeoff in order to reduce noise. At Omaka such a route would require a heading change of 10 degrees after takeoff from runway 01 to follow the Taylor River north and pass over an industrial area²²³. This flight path was used by Dr Trevathan in his modeling. It is a significant difference to Mr Hegley’s modeling which used the current flight paths.

²²⁰ M J Hunt, evidence-in-chief para 62 [Environment Court document 26].

²²¹ T P McGrail, Rebuttal evidence figure 7 [Environment Court document 9A].

²²² T P McGrail, Rebuttal evidence figure 6 [Environment Court document 9A].

²²³ D S Park, evidence-in-chief para 6.20 [Environment Court document 13].



[137] The Omaka Aero Club has not implemented noise abatement paths for helicopters as an attempt to protect the amenity of its neighbours. Mr Dodson, of Marlborough Helicopters, states his company has a written policy to avoid overflying built areas whenever possible²²⁴ but we received no indication that this policy is adopted by Omaka as an airport. Should the helicopter numbers increase at the suggested rate of 10% per annum there very likely will be reverse sensitivity effects arising from the helicopter tracks to the east which may force Omaka to adopt noise abatement paths (as suggested by Mr Park). Such paths operate at other New Zealand airports including Ardmore. Mr Park believes such paths should be developed for Omaka²²⁵ in accordance with the Helicopter Association International guidelines and the Aviation Industry Association of New Zealand Code of Practice. The former includes a guideline²²⁶ for daily helicopter operations which reads “Avoid noise sensitive areas altogether, when possible ... Follow unpopulated routes such as waterways”.

[138] We see this as a possible way to protect residents’ amenity and still let Omaka grow some of its operations as predicted out to 2038. There are differences of opinion²²⁷ regarding the practicality and efficacy of the proposed tracks which we acknowledge. Further, as suggested by witnesses for the Omaka Group, those flight tracks might impose more noise on residents east of the Taylor River. We cannot ascertain from the noise contours (see the next paragraph) whether or not that is likely to be the case. Despite that we accept this approach in principle and thus regard Dr Trevathan’s 2038 contour²²⁸ as the best indication of the likely (but still inaccurate) location of the 55 dB Ldn contour in the vicinity of the site in 2038.

[139] The 55 dB Ldn contour was also plotted by Mr McGrail as a complete contour surrounding the aerodrome²²⁹. It encloses 349 existing residential properties east of the Taylor River. To obtain this contour Dr Trevathan assumed movements on runways other than 01 to be those recorded in a Hegley Acoustic Consultants’ report which he attached to his evidence as Attachment 6. In the light of Mr Park’s 2013 recording, Dr Trevathan was not confident about the correctness of these movements and thus believed the contour at places away from the site was incorrect²³⁰. He gave no indication of the magnitude or location of discrepancies from a “correct” contour.

Findings

[140] The 2013 55 dB Ldn noise contour produced by Dr Trevathan and not challenged by any witness will expand as airport activity increases. The court accepts Mr Day’s view that the contour will reach the residential area east of the Taylor River

²²⁴ O J Dodson, evidence-in-chief para 17 [Environment Court document 30].
²²⁵ D S Park, evidence-in-chief para 6.16 [Environment Court document 13].
²²⁶ D S Park, evidence-in-chief para 6.15 [Environment Court document 13].
²²⁷ D S Park, evidence-in-chief para 6.2 [Environment Court document 13] and O S Dodson, evidence-in-chief para 21 [Environment Court document 30].
²²⁸ J W Trevathan, evidence-in-chief Attachment 9 [Environment Court document 14].
²²⁹ T P McGrail, Rebuttal evidence figure 4 [Environment Court document 9A].
²³⁰ J W Trevathan, evidence-in-chief para 6.2 [Environment Court document 14].



before it reaches the site²³¹. It is the general view of the acoustic witnesses, and the court concurs, that there has not been sufficient work done to enable the location of a 55 dB Ldn noise contour for 2038 either near the site or for the airport as a whole. Not only is there insufficient information, but in any event there is considerable uncertainty as to the likely character of future use of the Omaka airfield.

[141] As a set the contours are sufficient to indicate to the court, the Omaka Group Aero Club and the council what may occur in the future. They will be a useful guide when formulating noise abatement procedures by way of a Noise Management Plan and possible protection within the District Plan.

Noise mitigation measures

[142] In addition to the use of abatement paths, Dr Trevathan provided a number of other suggestions for mitigating noise effects on the Colonial land²³²:

- (i) aviation themed subdivision;
- (ii) covenants;
- (iii) situating houses so that outdoor areas are to the north;
- (iv) reducing dwelling density on the southern boundary;
- (v) mechanical ventilation;
- (vi) acoustic insulation.

[143] Dr Trevathan suggested that the development could have an aviation theme²³³, so that only people who liked airfield noise would choose to live there. As counsel for Omaka pointed out, this relies on people correctly identifying themselves as not being noise sensitive. Further, as the noise level is predicted to increase over time it is difficult to assess whether people will be able to cope with the noise in the future.

[144] The effectiveness of “no-complaints” covenants was discussed by Mr P Radich, an experienced lawyer in Marlborough, who gave evidence for Carlton Corlett Trust. While he accepted covenants are legally enforceable²³⁴, Mr Radich was cautious about their effectiveness since they really just signal a problem rather than providing an effective solution²³⁵. He said that enforcement was dependent on how reasonable the covenanter thought it and whether they were the original covenanter²³⁶. Further, it is not council practice to enforce private covenants as such disputes are viewed as a private matter for the parties to determine themselves²³⁷.

²³¹ Transcript pp 514-515.

²³² J W Trevathan, evidence-in-chief para 10.1 [Environment Court document 14].

²³³ J W Trevathan, evidence-in-chief para 10.11 [Environment Court document 14].

²³⁴ *South Pacific Tyres Ltd v Powerland (NZ) Ltd* [2009] NZRMA 58 (HC).

²³⁵ Transcript at 748 line 17.

²³⁶ Transcript at 749 line 7.

²³⁷ Transcript at 750 line 14.



[145] It was suggested each house on the CVL site could be situated to the south of its allotment so that the outdoor areas were further away, although Dr Trevathan acknowledged this would not protect residents from the noise of planes flying overhead²³⁸.

[146] With regard to acoustic ventilation, Dr Trevathan accepted that if all houses on the Colonial land were outside the OCB any additional insulation would be unnecessary²³⁹. As for mechanical ventilation, this allows people to keep windows closed reducing internal noise levels. However, since the internal noise level is already satisfactory with open windows at the level of external noise likely to be experienced on the Colonial land (depending on where the future airnoise boundary is) mechanical ventilation is not needed²⁴⁰.

[147] In our view the only mitigation which is desirable is the registration of “no-complaints” covenants. The other measures would simply add costs without gaining commensurate benefits. We have considered whether even the proposed covenants will give sufficient benefits to outweigh the transaction costs of imposing them. Counter-considerations are that, as we find elsewhere, residents east of the Taylor River are likely to be affected by noise from aircraft taking off and landing at Omaka airfield before residents on the site — yet, so far as we know, there are no covenants imposed on the Taylor River residents. Further, there are likely to be other limitations on helicopter numbers operating from Omaka (e.g. conflict with Woodbourne operations).

[148] Over-riding those concerns is that airports — even those with very small numbers of aircraft using them — are potentially subject to “noise” complaints. Such complaints may have a critical mass beyond which the legality (or existing use rights) can potentially become irrelevant in the face of political pressure. Further, there is a suggestion by the High Court that councils are responsible for ensuring that nuisance issues do not arise through activities it allows: *Ports of Auckland Limited v Auckland City Council*²⁴¹.

[149] Since CVL is volunteering the covenants, we consider they should be accepted.

5. Does PC59 give effect to the RPS and implement WARMP’s objectives?

5.1 Giving effect to the RPS

[150] We judge that PC59 would give effect to the Regional Policy Statement. It would enhance the quality of life²⁴² by supplying houses while not causing adverse effects on the environment, and it would appropriately locate a type of activity

²³⁸ Transcript at 245 line 7.

²³⁹ J W Trevathan, evidence-in-chief para 10.1 [Environment Court document 14].

²⁴⁰ Transcript at 246 line 21.

²⁴¹ *Ports of Auckland Limited v Auckland City Council* [1999] 1 NZLR 600 at 612 (HC).

²⁴² Regional objective 7.1.2.



(residential development) which would cluster²⁴³ with housing to the north and east, reflect the local character and provide the use of the river banks and beyond that, the Wither Hills.

[151] The air transport policy in the RPS — which focuses on Woodbourne — would not be affected.

5.2 Implementing the objectives of the WARMP

[152] The question for the court in this proceeding is whether the rezoning of a 21.4 hectare vineyard on the southern side of the Wairau Plains near Blenheim for ‘residential’ development, given its proximity to Omaka airfield, would promote the objectives and policies of the WARMP and the sustainable management of the district’s natural and physical resources.

[153] The most relevant policy — (11.2.2)1.5 — requires that any expansion of the urban area of Blenheim achieves specified outcomes. We consider these in turn. In relation to achieving a compact urban form we note that development of the CVL would add to an existing part of Blenheim. In some ways it would tidy the existing rather anomalous residential enclaves along New Renwick Road and Richardson Avenue, both adjacent to the site.

[154] No issues were raised in relation to integrity of the road network. The site is adjacent to three roads, and can be suitably developed.

[155] As for maintenance of rural character and amenity values, the rural character of the site will be reduced, but the site is already rather anomalous in that respect since it has residential development to the north and east, and the business activities of the Omaka airfield and the Heritage Museum to the south.

[156] Appropriate planning for service infrastructure is an important issue. A significant feature of the site is that all services are readily available at a reasonable cost. The section 42 report presented to the council hearing stated “The development of the site is not constrained by the development of services”²⁴⁴.

[157] Infrastructure must also be provided within the site to each dwelling. The site is essentially flat with a fall of 4 to 5 metres from southwest to northeast. This will allow the sewer and stormwater services to be easily staged throughout the development of the site²⁴⁵. Planning for this will necessarily be part of the overall development plan for the site and will produce no difficulties.

²⁴³ Regional policy 7.1.10.

²⁴⁴ T P McGrail, evidence-in-chief para 13 [Environment Court document 9].

²⁴⁵ T P McGrail, evidence-in-chief para 11 [Environment Court document 9].



[158] The 2010 Strategy assessed the site, along with nine other locations, for the provision of water, sewer and stormwater services. It found that “Development in this area can be connected to existing networks without upgrades of infrastructure”²⁴⁶. We conclude appropriate planning has been done for service infrastructure to the site and thus no further planning is necessary in this regard.

[159] Perhaps the key service infrastructure issue in the case — and a central issue in the proceeding — is the extent to which residential development of the site might restrain future development of the Omaka airfield. We discuss that in our conclusions below.

[160] No issue was raised in relation to productive soils.

[161] The Rural Environments section (Chapter 12) of the WARMP recognises the importance of the airport zone(s) and the explanatory note states that noise buffers surrounding the airport are the most effective means of protecting the airport’s operation²⁴⁷. The RPS also requires that buildings and locations identified as having significant historical heritage value are retained²⁴⁸ and as we have found Omaka airport to be a heritage feature this is relevant in terms of its protection, especially with reference to section 6(f) of the Act. We consider the covenant suggested as a mitigating measure by CVL can assist in that regard so that the heritage operation — flights of old aircraft — can continue and grow (within reason).

[162] While the objectives and policies of the WARMP give some protection to Omaka there is a “balance”²⁴⁹ to be achieved with activities that might be affected by them. In summary we consider PC59 meets more objectives and policies (especially the important ones) than not, and thus represents integrated management of the district’s resources.

5.3 Considering Plan Changes 64 to 71

[163] We consider the Plan Changes 64-71 are only relevant to the extent they show that the council has other solutions to the problem of supplying land for further residential development and we considered them earlier. We reiterate that these plan changes are at such an early stage in their development we should give them minimal weight.

²⁴⁶

SMUGS 2010 Summary for Public Consultation, p 14.

²⁴⁷

Wairau/Awatere Resource Management Plan 12.7.2, explanatory note at pp 12-23.

²⁴⁸

RPS objective 7.3.2.

²⁴⁹

M J Foster, evidence-in-chief para 4.14 [Environment Court document 27].



6. Does PC59 achieve the purpose of the RMA?

[164] In *Hawthorn*²⁵⁰, the future state of the environment was considered in a land use context. The Court of Appeal concluded that²⁵¹:

... all of the provisions of the Act to which we have referred lead to the conclusion that when considering the actual and potential effects on the environment of allowing an activity, it is permissible, and will often be desirable or even necessary, for the consent authority to consider the future state of the environment, on which such effects will occur.

The future state of the environment includes the environment as it might be modified by permitted activities and by resource consents that have been granted where it appears likely those consents will be implemented. It does not include the effects of resource consents that may be made in the future. CVL submitted that, in a plan appeal context, this must extend to the prospect of plan changes or even plan reviews with entirely uncertain outcomes at some indeterminate time in the future²⁵². CVL accepts there is a requirement to consider the future environment and has endeavoured to do so in its evidence using a predicted level of activity and effects associated with it. However, while the projections to 2038 will influence the resolution of the plan, CVL says the plan must also reflect other influences over those 25 years²⁵³.

[165] Counsel for the Omaka Group submitted we should distinguish *Hawthorn* as concerning a resource consent application rather than a plan change. If the proposed airnoise boundary is to be taken into account as part of the environment the Omaka Group suggested that great care needs to be taken in assuming that airnoise and (outer control) boundaries will protect the community from noise and reverse sensitivity effects when there is currently no plan change proposed²⁵⁴. CVL argued that Omaka misses the point — section 5 applies to all functions under the RMA²⁵⁵.

[166] The council submitted that, given the timing of PC59, before restrictions or protection are put in place for Omaka through a future plan change process, the planning environment as it is today is the appropriate reference. Mr Quinn submitted that the policy and planning framework of the WARMP:

- affords the district's airports, including Omaka, a high level of protection relative to land use aspirations around the airport;
- provides that an outer control boundary should be created for Omaka and specifically cites NZS 6805 and states that any 55 dBA Ldn noise contour must be surveyed in accordance with it; and

²⁵⁰ *Queenstown Lakes District Council v Hawthorn Estate Limited* (2006) 12 ELRNZ 299
²⁵¹ *Queenstown Lakes District Council v Hawthorn Estate Limited* (2006) 12 ELRNZ 299 at [57]
²⁵² Closing submissions for CVL, dated 21 October 2013 at [48].
²⁵³ Closing submissions for CVL, dated 21 October 2013 at [55].
²⁵⁴ Closing submissions for Omaka, dated 11 October 2013 at [11].
²⁵⁵ Closing submissions for CVL, dated 21 October 2013 at [54].



- allows expansion of the Omaka aerodrome as a permitted activity.

6.1 Sections 6 and 7 RMA

[167] Section 6 of the Act concerns matters of national importance. Only one paragraph in section 6 is relevant. Section 6(f) provides for the protection of historic heritage from inappropriate subdivision, use, and development and is relevant for two reasons. First, the three grass runways are claimed to be the longest surviving set in New Zealand. They were prepared in 1928 and have been used ever since. Secondly, there is the world-class collection of World War I aircraft and replicas, superbly displayed with other thematic memorabilia, at the Aviation Heritage Centre.

[168] We accept it is a matter of national importance to protect those heritage values, and to allow their responsible expansion. There was no evidence that residential activities on the site will cause reverse sensitivity effects on the Omaka airfield in the near future. The evidence did establish that a business as usual approach for the Omaka airfield as a whole might cause issues for residents of the CVL site and thus potential reverse sensitive effects (complaints) by 2039. But not all activities at the Omaka airfield have heritage value. In particular there are helicopter and other general aviation activities whose expansion will need to be carefully examined by the council as it makes its decision about an outer control boundary for the airfield. Given those circumstances, we hold that the heritage values of the airfield need not be affected by the plan change and so give this factor minimal weight in the overall weighing exercise.

[169] Section 7 of the Act sets out other matters the court is to have particular regard to when making its decision. Section 7(b) of the Act concerns the efficient use and development of natural and physical resources and we will consider it in the context of the section 32 analysis. Section 7(c) provides for the maintenance and enhancement of amenity values and section 7(f) is also relevant since it talks about maintenance and enhancement of the quality of the environment. Both these matters are covered by and subsumed in the objectives and policies in the district plan.

[170] Counsel for the Omaka Group suggested²⁵⁶ that section 7(g) of the RMA could be relevant but there was no specific evidence about that. There are extensive grass flats on the Wairau Plains so we consider that that argument cannot get off the ground.

6.2 Section 5(2) RMA

[171] The ultimate purpose of any proposed plan or plan change under the RMA is to achieve the purpose of the RMA as defined in section 5 of the Act. In the case of a plan change (depending on its breadth) that purpose is usually subsumed in the greater detail and breadth of the operative objectives and policies which are not sought to be changed. That is broadly the situation in this proceeding as we have discussed already.

²⁵⁶

Closing submissions for Omaka para 172.



[172] In terms of section 5 of the RMA the proceeding comes down to this: we must weigh enabling of a potential small community of residents on the site in the near future (in a situation where there is a relative undersupply of houses) against the potential longer-term (post 2038) disabling expansion of activities on the Omaka airfield as the aviation cluster would like. We have found that the evidence, that growth in activities which would need to be restricted is unlikely, is more plausible than the evidence of greater growth (e.g. to 35 helicopters operating from the airfield by 2038). While we have recognised above the superb heritage value represented by the grass airstrips and the Aviation Heritage Centre, those can be protected into the future without causing reverse sensitivity effects if the site is rezoned under PC59.

[173] We also take into account that it is possible that some limitation on, in particular, helicopter movements at Omaka airfield may be necessary in the future. However, it will not necessarily be as the result of complaints from residents of the site. On the evidence it is more likely to be caused by complaints from occupiers of the council's subdivision east of Taylor River, or as a result of restrictions imposed by CAA, in order to safeguard operations at Woodbourne.

[174] In any event we have found that the objectives and policies of WARMP favour acceptance of the PC59 rather than its refusal. Our provisional view is that PC59 should be approved. However, there are some further considerations.

7. Result

7.1 Having regard to the MDC decision

[175] In accordance with section 290A of the Act the court must have regard to the decision which is the subject of the appeal.

[176] The Commissioners' Decision deals with the site in two parts. "Area A" is outside a notional outer control boundary ("OCB") and Area B is within the OCB. In respect of the area inside the contour — Area B — the Commissioners concluded²⁵⁷:

122. We consider that Area B should not be rezoned to accommodate new residential development. Sufficient reasons for that conclusion are:
- (a) The Standard directs that new residential activity should not be located in the OCB;
 - (b) The reverse sensitivity effects on the Omaka Aerodrome from new residential development will be serious and potentially imperil the present and future operations of the Omaka Aerodrome not least by demand by residents to limit aviation related activities;
 - (c) New residential development will not achieve the settled WARMP goals as expressed in the following provisions:
 - (i) Section 11.2.1, Objective 1;
Section 12.7.2, Objective 1. Section 11.2.2, Objective 2.

²⁵⁷

Commissioners' Decision para 122 [Environment Court document 1.2].



(ii) Section 22.3, Policy 1.1
Section 23.4.1, Policy 23.4.1 and Section 12.7.2, Policies 1.2 and 1.3.

(d) By reason of (a) – (c) above MDC is not assisted by PPC 59 in carrying out its functions under RMA s 31(1)(a) and PPC 59 does not achieve the overarching purpose of the RMA of sustainable management.

[177] In respect of mitigation they decided²⁵⁸:

- (a) That full noise insulation (not just of bedrooms) was required;
- (b) That insulation would have been inadequate mitigation because it did not allow for natural airflow from open windows which is an adverse amenity effect;
- (c) Noise insulation within the building fabric does not address wider amenity concerns;
- (d) We do not support the use of no complaint methods in this context as an adequate mitigation method to achieve the social wellbeing of the community which is a key component of sustainability.

[178] While Area A is outside of the OCB and therefore potentially suitable for residential development the Commissioners identified the following issues²⁵⁹:

124. The difficulties are:

- (a) the total urban design concept presented by CVL is based on the whole site being developed for new residential use;
- (b) there was no urban design assessment of the appropriateness of development on Area A alone;
- (c) there is no concept plan for Area A alone that can be used in order to ensure an appropriate planning outcome is achieved;
- (d) it is unclear how the balance of the site (Area B) will be utilised in the long term. Conceivably it can be used for other purposes such as industrial development. An integrated solution will need to be carefully thought through and more detailed analysis undertaken.

[179] On balance the Commissioners considered that:

... the risk of approving new residential development on Area A by rezoning presents an unacceptable risk of poor strategic planning and lack of integrated development. A comprehensive strategic planning exercise is part of MDC's work stream and review of the WARMP and there is no pressing need for new residential land²⁶⁰.

[180] The Commissioners' overall conclusion was that the application in its entirety should be declined²⁶¹.

²⁵⁸ Commissioners' Decision para 120 [Environment Commissioner document 1.2].
²⁵⁹ Commissioners' Decision para 124 [Environment Commissioner document 1.2].
²⁶⁰ Commissioners' Decision para 125 [Environment Commissioner document 1.2].
²⁶¹ Commissioners' Decision para 126 [Environment Commissioner document 1.2].



7.2 Should the result be different from the council's decision?

[181] First, we have found the plan change meets more objectives and policies of the WARMP than not. This finding is in contrast to the Commissioners who found the goals of the WARMP would not be achieved.

[182] There was repeated reference in the evidence of the council's witnesses to PC59 not representing integrated management. That evidence reiterated the findings of the Commissioners' decision quoted above. We have taken special care to identify and consider the relevant objectives and policies of the district plan (the WARMP) and we find that PC59 is more likely than not to achieve most of the relevant objectives, and to do so in a generally integrated way.

[183] We also accept counsel for CVL's argument that the council is being inconsistent. Mr Davidson QC and Mr Hunt wrote²⁶²:

If the Council is reliant on the notion that PC59 is a pre-emptive strike to a fully integrated process under the RMA then it [the Council] stands against the very process it utilised in Plan Changes 64 – 71. The importance of integrating Employment land use was not matched with any similar urgency or affirmative action.

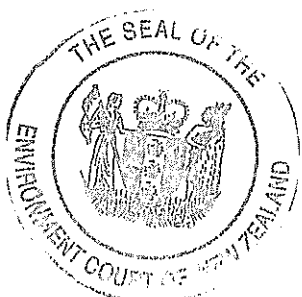
If Plan Changes 64 – 71 are thought to be fully integrated because they are incorporated as part of the final iteration of SMUGS then the same can be said of Colonial, which is expressly acknowledged to give effect to the Growth Strategy (with the only qualification that it be approved by the Environment Court).

[184] Second, the Commissioners' decision is predicated on the assumption that a (future) outer control boundary would cross the site dividing it into the two areas identified by the Commissioners as 'A' and 'B'. We do not consider that assumption is justified, because, as we have stated, the location of any future outer control boundary depends on a number of value judgements which we cannot (should not) make now.

[185] In fact, it was agreed by all parties that the noise contours provided to the Commissioners were for too short a time period and were erroneous. The 2038 timeline was agreed and the council accepted Mr Park's data as appropriate for projecting future noise levels. Dr Trevathan's 2038 contour with abatement paths is our preferred prediction although we accept it with due caution especially since we share Mr Park's scepticism that 30 helicopters will be using the Omaka airfield even by 2038.

[186] That analysis assumes that the Omaka airfield will continue to grow as it has in the recent past. However, as NZS 6805 recognises, there is a normative element to establishing where outer control boundaries should go. That exercise of judgement under the objectives and policies of the district plan and, ultimately, under section 5 of the RMA requires us to consider whether the Omaka airfield can, or should, develop at whatever pace supply (under the Aero Club's policies) and demand drive.

²⁶² Final submissions for CVL paras 30 and 31 [Environment Court document 39].



[187] It seems probable (and appropriate) that some constraints in growth of the Omaka airfield — especially in helicopter numbers — will be appropriate due to two constraints independent of development of the site. These are the recent residential development east of the Taylor River, and the requirements of the Woodbourne airfield as it grows. Mr Day stated²⁶³ that any 55 dB Ldn contour would expand on to the land east of the Taylor River well before it reaches the site.

[188] Third, the Commissioners were influenced by the need for “employment” land. While the obvious alternatives for the land are between the proposed Residential zoning and the existing Rural zone, we accept that the realistic alternatives for the site are residential versus some kind of “employment” use in the sense discussed earlier.

[189] We have found that industrial zoning of the site is likely to be an inefficient use of the resource. Nor would that inefficiency be sufficiently remedied by consideration of the Omaka airfield.

[190] It would (also) be inefficient to block residential development of the site because of perceived future reverse sensitivities of the Omaka airfield sometime after 2030. That is for two reasons: first, the best estimate of the 55 dB Ldn contour in 2038 depends on helicopter growth (30 helicopters operating out of the airfield) which we consider is unlikely; and secondly, there are more than likely to be other constraints²⁶⁴ on such growth of Omaka airfield use in any event — for example complaints from residents of the new subdivision east of Taylor River, and operational demands of the Woodbourne airport as its operations increase in size and frequency.

7.3 Outcome

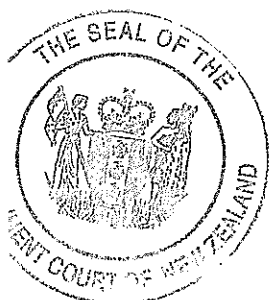
[191] Weighing all matters in the light of all the relevant objectives and policies, we conclude comfortably that the scales come down on the side of PC59 in general terms. We conclude that the purpose of the RMA and of the WARMP are better met by rezoning the site part as Urban Residential 1 and part as Urban Residential 2 as shown in the notified application subject to any adjustments for services as described by Mr Quickfall in his evidence.

[192] Two new objectives were proposed by CVL for the new section 23.6.1 of the WARMP. Those objectives are beyond jurisdiction as we discussed earlier. However, they are well-intentioned, and the second in particular seeking to introduce urban design principles — is potentially very useful. We consider they can be introduced as policies.

[193] We generally endorse the amendments to the policies and rules as stated in Mr Quickfall’s Appendix 4 (subject to the *vires* deletions discussed at the beginning of this

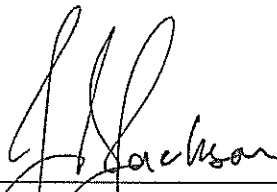
²⁶³ Transcript pp 514-515.

²⁶⁴ Transcript p 160 lines 20-30.

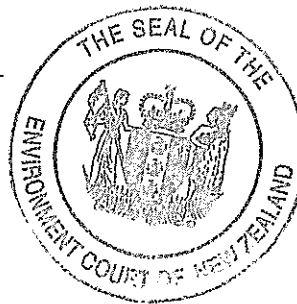


decision) but we expect the parties to agree on the amended policies and rules in the light of these Reasons. For the avoidance of doubt we record that we regard the best practice urban design principles identified in Mr Quickfall's Appendix 4 as important and expect them to be written into PC59 (since no party opposed them) although we doubt whether they should be in "section 23.6" since that already exists in the WARMP. Since we have some doubts as to our jurisdiction under section 290, we will make an order under section 293 in respect of the urban design principles in order they may be introduced as policies, rather than as objectives. In case it assists we see these as implementing the urban growth objectives in the WARMP and thus tentatively suggest they should be located there.

For the court:



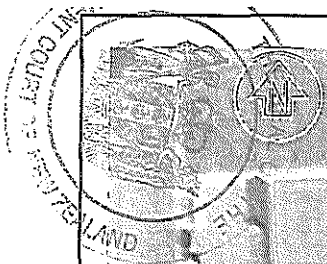
J R Jackson
Environment Judge






A J Sutherland
Environment Commissioner

Attachment 1: Site Map.



Attachment B

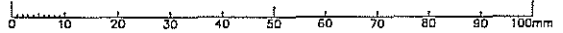

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SUPPLEMENTARY EVIDENCE OF JEREMY TREVATHAN

- 2038 55dB Ldn Noise Exposure Contour. Based on updated flight movement data provided by Dave Park including helicopter abatement tracks
- Change to contour if 2013 fixed wing *and* helicopter flight numbers increased or decreased by 5 %
- Change to contour if 2013 fixed wing *and* helicopter flight numbers increased or decreased by 10 %
- Approximate 2013 55 dB Ldn contour

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