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**Appendix 1. Applications Withdrawn that were notified with applications being heard**

<b>Consent Number</b>	<b>Applicant</b>	<b>Date Withdrawn</b>
CRC962082.2	P G M Holdings Limited	1 August 2007
CRC042814	Chudleigh Holdings Limited	19 October 2006
CRC050053	Mr and Mrs J C and R L White	30 November 2006
CRC050859	Mr and Mrs R J and L Cooke	2 November 2006
CRC050391	Mr J C Low	23 February 2006.
CRC051077	Mr and Mrs R R and C J Perkins	5 October 2006
CRC054058	Grantham Farming Limited	17 February 2006
CRC054180	Walls PM and BA	26 July 2007
CRC054373	McCormick Transport Limited	13 April 2006
CRC054381	Mr & Mrs S W & P M Waddell	28 November 2006
CRC060066	Mr & Mrs S A & J A Howden	12 December 2006
CRC060067	Tauhei Farms Limited	18 May 2008
CRC060505	Mr P A Rooney & Mrs D J Rooney Stilgoe	1 June 2007

## Appendix 2. Changes to applicant name

The following is a list of applications where the name of the applicant has changed subsequent to notification. For clarity the original applicant (named in the notification) has been used throughout the report:

<b>Consent Number</b>	<b>Original applicant</b>	<b>Amended applicant</b>
CRC050375	Waikari Hills (1989) Limited	Moonshine Farms Limited
CRC051418	Messrs P J & C J Hampton	Synlait Farms Limited (Waitai Farm)
CRC052478	Roxburgh Farms Limited	Roxburgh Dairies Limited
CRC052609	Mr & Mrs N C & G M Currie	Alford Park Limited
CRC052470	Mr & Mrs P J & G P McEwan	I D & A M Sinister
CRC054610	Mr & Mr G A & M A Brown	Mr M F M & Mrs A B B Talbot and Whitehouse Ten Trustees Limited
CRC064345	R F Wilson	A J C Farming Limited

**Appendix 3 - Ashburton River Audit Summary Effects not Minor, as Defined by NRRP Policy Thresholds**

Consent Number	Applicant	Well Interference (no WAs)	Pumping Bores listed on multiple consents	Annual Volume	Scheme Water and other consents on property	Intentions re existing water	Nitrates	Stream Depletion
CRC051943	G J Cairns Limited	Agree 9 bores adversely affected. WA s outstanding L37/0266 T R Bennett,.						
CRC052032	Mr & Mrs N S & A J Lowe			Updated Summary Sheet shows all soils as PAW<75., consultant proposed 510,705 m <sup>3</sup> . ECan soil maps show 7.5 ha PAW 75-110, 90% arable, 10% intensive 503,670 m <sup>3</sup> .				
CRC052214	Messrs P J & M J Sheate			Consultant proposed 593,774 m <sup>3</sup> . I calculate annual volume of 450,120 m <sup>3</sup> based on arable land use , soils 75-110 PAW	CRC951542 SW			
CRC052478	Roxburgh Farms Limited						The parameters used were not supported. Ecan model it showed a rise of Nitrates of 4.1 mg/litre	
CRC052609	Mr & Mrs N C & G M Currie							AEE - Cease abstracting from K36/0813 when flows in Taylors Stream above the confluence with the South Branch of the Ashburton River (K36:902-222) falls below 500 l/s. IO - Bore K36/0813 has a moderate connection to Taylor's stream
CRC052651	Mr A J H McNab	Summary sheet identifies 12 bores adversely affected. AEE and Audit undertaken at correct location, audit concluded wells were affected but with no agreement with Consultant which ones. Aquifer test shows on bore affected						
CRC052731	Mr & Mrs D G & C M Williamson				CRC982043 GW (combined with) CRC010180 GW & CRC960696 SW	AEE – SW to be surrendered if consent granted		
CRC052786	Alford Park Limited	YES			CRC950930.2 CRC950929, CRC950928, CRC950927.1 all SW			
CRC054347	Messrs R L & G R Briggs	Summary states 8 bores affected and WAS provided. Audit notes WA outstanding for K37/2376 (Bray)	Bore K37/2486 also on CRC060738 Limit abstraction to 2,318 cubic metres per day to stay within WQN10 analysis.		CRC060738, CRC930920, CRC042199.1 GW	CRC042199.1 transferred to applicant. AEE - Applicant intended to lease the land & surrender CRC042199.1		

Consent Number	Applicant	Well Interference (no WAs)	Pumping Bores listed on multiple consents	Annual Volume	Scheme Water and other consents on property	Intentions re existing water	Nitrates	Stream Depletion
CRC054367	Mr & Mrs C M & B A Nordquist	Subject Bore K37/0757 Audit concludes outstanding W A s are needed for K37/0556, K37/0961 Gudsell (letter of objection), K37/0487 & K37/0692.						
CRC054382	Lagmhor Limited	Summary sheet has no information to support parameters. States 15 bores adversely affected			CRC051306.1 GW			
CRC054425	Tullymett Farm Limited	Summary sheet has no information to support parameters. States 22 bores adversely affected						Bore K37/0793 has the potential for a significant effect upon the Ashburton river, moderate connection as per Policy WQN8
CRC054454	Mr & Mrs L R & H J Digby			Summary sheet PAW<75 50% and PAW > 110 50%. And calculate volume of 328,020. m <sup>3</sup> . GIS shows PAW <75 as 31.5 ha and PAW . >110 at 39.5 ha, with a volume o f 318,600 m <sup>3</sup> .				
CRC054610	Mr & Mr G A & M A Brown				CRC980368 GW put into race and taken via CRC980370 SW			
CRC054845	Mr & Mrs G & V A Prendergast	Applicant has proposed aquifer test. Subject Bore K37/2247 All bores within 2km affected .						
CRC061073	Mr R A Bennett	Applicant has proposed aquifer test. Summary notes L37/1399 as affected but states bore has been replaced. ECan database records bore as in use.		Annual volume not audited				
CRC063817	Mr & Mrs H & M Shearer	Subject bore K37/2282.Bore K37/2277-Morgan adversely affected,.		This proposal is based upon irrigating 141 ha, however recent aerial photographs show that only 87ha is irrigable, the rest is scrub next to the river. Updated Summary Sheet states that applicant intends to clear remaining 54 ha. Updated aerial photographs do show some scrub clearance, River Engineers concerned that this may need a land use consent, and that this application should be put on hold subject to section 91, while a consent is sought. Actual irrigable area needs resolution. Consultant proposed 629,607 m <sup>3</sup> Volume based on 87 ha is 367,160 m <sup>3</sup>	Greenstreet Irrigation Scheme (CRC921550) , 46.7 ha irrigated			
CRC064232	Ross Tait Limited	Subject bore k37/2908 Audit shows 15 bores adversely affected, in 2.5km			CRC951956 & CRC951957 SW			
CRC071168	Stepping Stones (2004) Limited	Subject bore K36/0948 Audit WQN10 shows K36/0804, 40 m deep (Gallagher) adversely affected						

**Appendix 4 – Valetta Audit Summary Effects not Minor, as Defined by NRRP Policy Thresholds**

Consent Number	Applicant	Well Interference (no WAs)	Scheme Water and other consents on property	Intentions re existing water	Pumping Bores listed on multiple consents	Annual Volume	Nitrates
CRC041730	Yollom Farm Limited		CRC951893.1 & CRC951892.1 SW				
CRC042248	Mr & Mrs. G P & F M Wilson	Summary sheet shows 37 bores affected, no WA s on file.					
CRC042880	Gregory Partnership					Summary sheet states 381,638 m <sup>3</sup> based on light soils. GIS shows all soils 75-110 PAW, effective summer rainfall 280mm, I calculate 340,280 m <sup>3</sup> .	
CRC050064	Mr & Mrs L P & M M Read		CRC960546 & CRC012612 SW				
CRC050163	Mr & Mrs C C & L A Fleming	Subject Bore K37/2226. Summary states five written approvals required. Audit showed seven bores affected.	CRC050163 SW				
CRC050291	Intersouthern Deer Limited		Mayfield Hinds Irrigation Scheme (different area). Overlaps CRC070633				
CRC050331	Mr & Mrs P A & G J Blain	Audit concluded that all WA s were received, L37/0623 Mr Martin, WA stated "subject to pump test". Summary sheet stated that "with Chalmers Pump test all effects minor". Relevance of test and parameters used not supported.	CRC951697 SW non-concurrent with CRC032052 GW which irrigates 14 ha of this land. CRC951696 SW also overlaps				
CRC050375	Waikari Hills (1989) Limited		CRC041812.3 & CRC040358.2 GW		Bore K37/1812 also on CRC040358.2, Limit abstraction to 100l/s & 8640 m3/day to stay within WQN10 analysis		
CRC050406	Mr & Mrs C & W R Nordqvist		Valetta Irrigation Scheme (different area)				
CRC050911	Mr A J White	Summary sheet concludes 6 WA s required, no T value given. Audit identifies 21 bores affected,					
CRC051054	Winslow Feeds Limited	Applicant has proposed aquifer test. Summary sheet concludes 4 wells affected and need <b>aquifer test</b> to assess confidently. Audit concludes 10 wells affected.	CRC030195.2 GW irrigates 14 ha of subject area. Partial transfer site to site till 30 June 2010, CRC030195.3 but overlap remains				
CRC051183	Mr S B Roy		CRC012097.1 GW				
CRC051392	Longbeach Estate Limited	Summary sheet and audit identify K37/0698 Dodunsky as affected.	CRC951894 SW				

Consent Number	Applicant	Well Interference (no WAs)	Scheme Water and other consents on property	Intentions re existing water	Pumping Bores listed on multiple consents	Annual Volume	Nitrates
CRC051418	Messrs P J & C J Hampton	Bore K37/0698 affected. Summary states proposal will not affect ability to take water for dairy shed and stockwater.	Applied to amalgamate CRC960184.1 & CRC960186.1 (CRC084996) & surrender CRC960185. Partial transfer from Morrison till 30 June 2010, CRC041848.1.		Bore K37/2078 on application CRC041848.1 limited duration transfer till 30 June 2010 in process. Applications not to operate concurrently, suggestion to tie consents together in terms of AV using consents and that bore number (Matt Bubb 20-6-08)	Annual volume for whole property calculated for processing of CRC084996 using WQN9v3 (2,037,792 m <sup>3</sup> ). Summary sheet states that the application is for 270ha, 1,270,500 m <sup>3</sup> . Matt Bubb advised this volume to change as a result of the amalgamation and will advise at the hearing	
CRC051603	Deane Taylor Ashton Limited		CRC990459, CRC952189 GW & CRC952190, CRC952191 & CRC960868 SW				
CRC051661	Mr & Mrs P G & D L Lowe		Lynnford Irrigation Scheme (different area) CRC950054.3 GW Applicant proposed combined annual volume of 1,196,325 m <sup>3</sup>		Bore K37/1752 (50 l/s this consent) also on consent CRC950054.3 . Limit abstraction to 70 l/s to stay within WQN10 analysis, consultant also proposed this in letter 30-4-08		
CRC051668	Eskdale Farm Limited		CRC960871 SW				
CRC051758	Mr & Mrs J P & A M McGillen	Summary sheet concludes 5 WAs required. Audit agrees					
CRC051809	Mr B M Gosling		Border dyke scheme irrigation (not sure which scheme)	Shares likely to be sold if application granted			
CRC051961	Mr & Mrs L W & D I Molloy	Summary sheet concludes one WA required at old location and uses unsupported parameters.	CRC001051 SW & CRC001050 GW, each irrigate 90 ha	AEE- CRC001051 SW to be surrendered if application granted This application was originally lodged as a change of conditions to CRC001050, this consent would replace CRC001050. Summary sheet notes CRC001050 to operate concurrently with application		The annual volume for this consent is based on the whole farm demand less 370,800 cubic metres allocated under CRC001050. The whole farm calculation in the updated summary sheet is 906,400 m <sup>3</sup> per year, my calculations find it to be 732,475 cubic metres per annum. Summary sheet may be based on intensive volume, but states arable. . GIS shows PAW all 75-110. Consultant proposed 520,731 m <sup>3</sup> , I calculate that's the requirement is 361,675m <sup>3</sup> .	
CRC052171	Mr & Mrs K B & R A Townshend	Audit shows four bores affected, two have provided WAs two more required, K37/1881 Young and K37/0879 Boundary Rd Farm. Linked to below Summary sheet concludes that a new analysis is required when correct bore locations have been confirmed. Audit carried out at correct location, see above	Eiffelton Irrigation Scheme, CRC030896 GW, CRC960116.2 SW	CRC030896.1 partial transfer site to site until 30 June 2009.	Bores K37/1882 and K37/1710 also on CRC030896.1 and CRC971312.3 Both are limited duration transfers till until 1 July 2009. IO – Limit abstraction to 45 litres per second per bore & 7,452 cubic metres per day from all three consents to ensure abstraction fits within WQN10 analysis		
CRC052213	Mr B F Best & Ms P M Clark	Audit concluded that 13 bores were affected and 12 WAs were received. WA for K37/1669 Hayman outstanding.					

Consent Number	Applicant	Well Interference (no WAs)	Scheme Water and other consents on property	Intentions re existing water	Pumping Bores listed on multiple consents	Annual Volume	Nitrates
CRC052262	New Zealand Rural Property Trust Nominees Limited	Subject bore K37/2284. Summary states 3 Was required K37/0262 (D & J Jones), K37/0317 (RD & JR Jones) and K37/2652 (B J & N A Bishop). Audit agrees	Eiffelton Irrigation Scheme, CRC961606 GW & CRC012024 SW	AEE- CRC961606 GW & CRC012024 SW to be surrendered if application granted			
CRC052363	Mr & Mrs S M & K J Clements	Subject Bore K37/2187. Eight bores affected in original audit. WQN10 redone by consultant, showing no bores affected using T=3,600 from aquifer test on K37/1765. Matt Smith advises T=1500 more suitable for area. Test on K37/1765, 1.15km distant T=3600 is too high.					
CRC052470	Mr & Mrs P J & G P McEwan		CRC962082.1 GW	AEE – CRC962082.1 to be surrendered if application granted (full transfer to Simister, now CRC962082.3)	Bore K37/1763 also on CRC962082.3, limit abstraction to 47l/s & 3900 from the bore to stay within WQN10 analysis		
CRC052635	Mr R F Girvan		CRC001811 GW	AEE – CRC001811 to be surrendered if application granted			
CRC052637	Intersouthern Deer Limited						
CRC052963	Mr & Mrs D J & B J Quigley		Valetta Irrigation Scheme				
CRC054110	Tait Partnership Limited	Subject Bore K37/1506 Agree with Mr Mills re affected bores: K37/1504 (Ormsby), K37/0080 (Ross), K37/1293, K37/1294 (Jones) and K37/0077 (Remington). Aquifer test carried out.	CRC030102 GW				
CRC054174	Messrs D J & M J Stoddart	Subject bores K37/2305, K37/2397 and K37/2477. WQN10 to be carried out following confirmation of location. Audit notes 5 Was obtained, conditional WA from Molloy (K37/1881) re water levels	CRC952159. GW, CRC952159.2 GW, CRC952158.1, SW, CRC952157 SW and CRC952155 SW	AEE – SW consents to be surrendered if application granted. Applicant noted surrenders & CRC054174 result in a 14l/s reduction in allocation than presently allocated			
CRC054222	Mr & Mrs J C & A M McCormick	Summary states bores affected. Audit states 36 bores affected at original location.					

Consent Number	Applicant	Well Interference (no WAs)	Scheme Water and other consents on property	Intentions re existing water	Pumping Bores listed on multiple consents	Annual Volume	Nitrates
CRC054361	The Mounds Limited	Applicant proposed aquifer test Bore K36/0695 (Meadow Lee Ltd) identified as affected in audit	Requested to amalgamate with CRC054364, advised to do so at hearing				Updated Summary sheet 140907 states "allow flexibility". Uses mass mixing model and claims N rise with irrigated Milking Dairy within limits. Disagree with parameters (background N and property length). ECan model shows exceedence using Consultant's parameters (rise of over 2 mg/litre).
CRC054364	Mr F Luxton	Applicant proposed aquifer test Bores K37/1828 (Moonshine Farms) and K37/0695 (Meadow Lee Ltd) adversely affected	Requested to amalgamate with CRC054361, advised to do so at hearing				As above
CRC054848	Messrs J R & A J B Stackhouse	Summary states some neighbouring wells may be affected (28-35 m deep). Proposed aquifer test as these bores may tap a shallower aquifer.					
CRC060329	Mr & Mrs D M & E J Grant	Summary states 17 wells affected. Audit notes Was received in relation to 14 wells.					
CRC060783	Devonlea Farm Limited					Proposed Volume by consultant 1,078,000 m <sup>3</sup> Calculated based on intensive and all light soils. Nitrates assessment which indicates the farm will have 50 % in crops. Based on 50:50 crops:pasture I calculate annual volume is 982,325 m <sup>3</sup> with 62 ha soils PAW >110 and 171 ha PAW <75.	
CRC062236	Des Millar Construction Limited	Subject Bore K37/2579 Many parties affected, have done aquifer test but raw data not provided to groundwater section to complete analysis					
CRC063097	Mr D J Read	Summary states Was required for 6 wells. Audit shows well K37/0405 affected.	CRC960122 & CRC960123 SW	AEE - CRC960122 & CRC960123 SW to be surrendered if the application granted			
CRC063212	Mr & Mrs MA & SK Etheridge	Subject Bore K37/1508, all 21 bores in 1500 m affected, no WAs received					
CRC064345	R F Wilson	Subject bore K37/2881. Summary notes WAs required for 9 wells, audit agrees	CRC960285 SW	AEE - Applicant advised that they want to move from surface water to groundwater			
CRC070633	Intersouthern Deer Limited	Subject Bore K37/2960. Also notified for well interference. Bore K37/0735 affected	Valetta Irrigation Scheme CRC050291 GW, may wish to amalgamate consents	May trade shares if application granted			
CRC072748	Mr C Gordon & Ms HK Rapsey		CRC000305 GW				

**Appendix 5. Changes made to applications post-notification Ashburton River**

Consent Number	Applicant	Changes Post- notification					Notification Details	Change supplied in	Comments	Conclusion
		Bore Number	Rate	Depth	Location (NZMS 260)	Land Use				
CRC051943	G J Cairns Limited	L37/1217			L37:18063-89212		L37:1819-8910	Wells Database updated Jan 07	Summary sheet analysis at correct location, audited agree 9 bores adversely affected. WA s outstanding L37/0266 T R Bennett, L37/1464 Glen Dorran Farm Ltd.	170 m difference in location No New bores within area of effects, change within scope
CRC052478	Roxburgh Farms Limited					Irrigation of Dairy pasture	Crops and pasture			Within Scope
CRC052651	Mr A J H McNab	L37/1372			L37:1196-8876 Incorrect update identified		Incorrect Grid reference on data base		Summary sheet identifies 12 bores adversely affected. AEE and Audit undertaken at correct location, audit concluded wells were affected but with disagreement re which bores affected. Aquifer test on L37/0907 (40 mbgl) provided, assessed by M Smith as not being applicable, it showed effects on deeper wells, but could not be used to prove the reverse.	500 m difference in location Error, not significant, correct area assessed
CRC052871	Mr A F Brown	L37/1264			L37:13305-98509		L37:1322-9850	Wells Database updated Feb 07	Summary sheet concludes WA s for 36 bores required. Audit concluded no one affected.	80 m difference in location Not significant
CRC054382	Lagmhor Limited	K37/2497	50	not installed (120)			10 metres deep	Advised by applicant's consultant	see below	One additional bore (k37/3103) may need to be considered, provided this bore is not affected, within scope.
		K37/2498	50				65 l/s each bore		Summary sheet has no information to support parameters. States 15 bores adversely affected	Abstraction reduced by 15 l/s
CRC054425	Tullymett Farm Limited	K36/0792	43.3				65 l/s each bore	Summary sheet	see below	21.7 l/s reduction
		K36/0793	43.3				65 l/s each bore		Summary sheet has no information to support parameters. States 22 bores adversely affected	21.7 l/s reduction
		PROPOSED	43.3	not installed (90)	K37:9955-1034		Not in Application or Notification		See above represents an increase of 21.7 l/s from the deeper layers	Not in Application or Notification.
CRC061073	Mr R A Bennett	L37/1172	72			Irrigation of Dairy Pasture	100 l/s Crops and pasture	Rate reduced by consultant 24-6-08. Change to dairy on Summary Sheet	Original rate 100 l/s reduced by applicant to 72 l/s re-amended to 100 l/s 26-5-08. Amended annual volume to 1,018,500, no amended assessment of efficiency or well interference provided	Change in land use Within scope Rate same as originally assessed, within scope Volume greater than applied for in AEE. Not within scope

**Appendix 6. Changes made to applications post-notification Valetta**

Consent Number	Applicant	Changes Post- notification					Notification Details	Change supplied in	Comments	Conclusion
		Bore Number	Rate	Depth	Location (NZMS 260)	Land Use				
CRC041730	Yollom Farm Limited	K37/1881			K37:07397-88871		K37:0747-8892	Wells Database	New parties move into area of effects but no-one affected	94 m difference in location Change within scope of application
CRC050291	Intersouthern Deer Limited					Irrigation of dairy pasture	Irrigation of pasture			Within scope
CRC050331	Mr & Mrs P A & G J Blain	L37/1275			L37:10688-83362		L37:1065-8333		Audit concluded that all WAs were received, L37/0623 Mr Martin, WA stated "subject to pump test" Summary sheet stated that "with Chalmers Pump test all effects minor". Relevance of test and parameters used not supported.	42 m difference location Change in location within scope
CRC050375	Waikari Hills (1989) Limited	K37/1828		115.93	K36:88659-09743		K37:8852-0968, 120 metres deep	Wells Database Updated April 2006	Summary sheet WQN10 uses different T to Audit and AEE, with no evidence for new value, undertaken at old location	4m change in depth & 206m change in location Changes within scope, all parties originally considered
CRC050911	Mr A J White	K37/2334		60			55 metres deep	Summary Sheet	Summary sheet concludes 6 WAs required, no T value given. Audit identifies 21 bores affected	5 m difference in depth Within scope
CRC050987	Mr & Mrs G J & M K Dickson	K37/2324			K37:02304-99167-		65 metres deep K37:0235-9918	Location remeasured October 2006	Summary sheet concludes 10 WAs required, 2 received. Audit concluded 2 WAs required and received. Summary sheet analysis carried out at old location	11 metres difference in depth. 54 m difference in location. Changes within scope, no additional parties to consider
CRC051054	Winslow Feeds Limited	K37/2303			K37:01805-93512		K37:0182-9347	Summary sheet	Summary sheet concludes 4 wells affected and need aquifer test to assess confidently. Audit concludes 10 wells affected.	45 m difference Within scope, assessed at actual location by IO
CRC051183	Mr S B Roy	K36/0782			K36:8657-1248		K36:8652-1315	Summary Sheet	K36/0782 change in location of 69 m, no assessment provided, change in location not audited K36/0783 change in location of 50 m	K36/0782 not determined if change within scope K36/0783 – change within scope
		K36/0783			K36:8845-1504		K36:8829-1457	Advised by consultant 24-6-08		
CRC051392	Longbeach Estate Limited	K37/2227		94.84	K37:0526-8021		60 metres deep K37:0497-8068	Summary sheet	Summary analysis uses unsupported parameters and states 1 WA received from KA and RA Townsend. Only WA in file from a different person.	34.8 m difference in depth and 552 m difference in location
CRC051418	Messrs P J & C J Hampton	K37/0623	45.00		K37:08470-81367	Irrigation of Dairy Pasture	Crops and Pasture 47.2 metres deep K37:0840-8125 90 l/s	Locations changed in wells database August 2005. Advised of dairy conversion letter from consultant 30-4-08	Summary sheet identifies K37/0698 (dairy shed and stock water) Dodunsky as affected. Audit also identifies this well as affected but questions Hantush Jacob methodology. File note that consultant to provide more evidence at hearing	2.2 m difference in depth NA. 130 m difference in location Based on uncertainty in assessment unsure if within scope
		K37/2078	45.00		K37:08476-81388		K37:0843-8126 90 l/s		Comments above are for all 3 Hampton bores	126 m difference in location
		K37/2079	45.00		K37:08618-80996		51 metres deep K37:0854-8103 90 l/s		Comments above are for all 3 Hampton bores.	1 m difference in depth NA. 81 m difference in location Change to irrigated dairy within scope
CRC051601	Forest Park Limited					Irrigation of Dairy Pasture	Irrigation of pasture	Summary sheet		Within scope
CRC051668	Eskdale Farm Limited	K37/2282		90			65 metres deep	Summary sheet		No additional parties to consider, change within scope
CRC051680	Mr & Mrs N J & M J Brooks	K36/1434			K36:94175-96496		K37:9409-9656		No assessment provided at new location, consultant noted new location on spreadsheet	106 m change in location, change within scope no parties affected

Consent Number	Applicant	Changes Post- notification				Notification Details	Change supplied in	Comments	Conclusion	
		Bore Number	Rate	Depth	Location (NZMS 260)					
CRC051758	Mr & Mrs J P & A M McGillen	K37/2150			K37:00565-92209		K37:0065-9213	Summary sheet	Summary sheet concludes 5 WA s required.	114 m difference in location Additional affected party moved into area of effects, not within scope
CRC051809	Mr B M Gosling	K37/1581 K37/1582		100 100		Irrigation of Dairy Pasture	Crops and pasture. 80 and 69 metres deep respectively	Summary sheet	No assessment provided at new depth	Within scope, no new affected parties.
CRC051961	Mr & Mrs L W & D I Molloy	K37/2163	73.6		K37:08996-87681		K37:0934-8771 91 l/s	Updated on Wells Database August 2005 Summary sheet updated rate	Summary sheet concludes one WA required and provides no evidence for parameters assessed in old location.	351 m difference in location Within scope, no additional parties considered affected
CRC052171	Mr & Mrs K B & R A Townshend Mr & Mrs K B & R A Townshend	K37/1882		70	K37:01877-80045		K37:0188-8007 59 metres deep	Updated on Wells Database August 2005 Depth updated on Summary Sheet	Summary sheet concludes no persons affected but at old location.	10 m difference in depth and 114 m in distance in AEE and audit from WD as measured Change in depth and location within scope
CRC052213	Mr B F Best & Ms P M Clark	K37/2347			K37:05525-97195		K37:0553-9720	Wells Database updated from drillers report	Summary sheet concluded 15 out of 21 WA s received and uses unsupported T value and parameters. Audit concluded that 13 bores were affected and 12 WA s were received. WA for K37/1669 Hayman outstanding.	14 m difference in location. Within scope of original application
CRC054174	Messrs D J & M J Stoddart	K37/2397	50		K37:0669-9033			Summary sheet	Audit shows four bores affected, two have provided WA s two more required, K37/1881 Young and K37/0879 Boundary Rd Farm. Linked to below	None
		K37/2305	50		K37:0628-9131		K37:0632-9131		See above and linked below.	40 m difference in location Not significant, within scope
		K37/2477	50		K37:0452-8913 WD updated		K37:0632-9131 150 l/sec combined		Summary sheet concludes that a new analysis is required when correct bore locations have been confirmed. June 2005 audit carried out at correct location, see above	2187 m difference in location Unsure if within scope
CRC054222	Mr & Mrs J C & A M McCormick	K37/1806			K37:06867-96098		K37:0683-9609	Summary sheet	Summary sheet concludes that no persons are adversely affected using Hunt Scott and parameters from Aquifer test on K37/2579 with subject bore K37/1806 as monitoring bore, Raw data for this test awaited. Audit concluded 36 bores affected using WQN10 Theis.	30 m difference in location Change not significant, no additional parties, within scope of original application
CRC054361	The Mounds Limited					Irrigation of Dairy Pasture	Irrigation of Pasture	Summary sheet		Within Scope
CRC054361	Mr F Luxton					Irrigation of Dairy Pasture	Irrigation of Pasture	Summary sheet		Within Scope
CRC054848	Messrs J R & A J B Stackhouse	K37/2443		54			60 metres deep	Summary sheet	Summary sheet uses unsupported parameters but concludes the applicant will undertake an aquifer test Original Audit on 60 m bore concluded 7 bores adversely affected.	6 m difference in depth, within scope
CRC060329	Mr & Mrs D M & E J Grant	L37/0907			L37:11072-88429		L37:1072-8429	Summary sheet	Summary sheet concludes 17 WA s required. AEE and Audit at correct location. Concluded 16 bores affected. 5 WA s received one conditional on not affecting water levels ((K37/0051 Molloy). Outstanding WA s L37/0231 Johnston and L37/0923 Williamson.	4145 m difference in location Based on typo in AEE and notification, within scope of original assessment
CRC063097	Mr D J Read	K37/2767		100			70 metres deep	Summary sheet	Summary sheet concluded 6 WA s required. Audit agrees, none received	30 metre difference in depth Not significant as assessed at correct depth, within scope

Consent Number	Applicant	Changes Post- notification				Notification Details	Change supplied in	Comments	Conclusion
		Bore Number	Rate	Depth	Location (NZMS 260)				
CRC064345	AJC Farming Limited	K37/2881			K37:0116-8343	K37:0115-8338	Summary sheet	Summary sheet concludes 9 bores adversely affected. Audit undertaken at correct location and agrees, no WA s received.	10,050 m difference in location to consultant location 50 m difference in location compared to number in wells database (on correct landparcel). No change in affected parties, within scope of application
CRC072224	Yollom Farm Limited				Irrigation of Dairy Pasture	Irrigation of Crops and pasture	Summary sheet		Within Scope

**Appendix 7 – Ashburton River Additional Conditions Recommended**

Consent Number	Applicant	Well Interference	Screening Depth		Bore overlap		Combined consents	Scheme Water (name scheme)	Surrender (Consents)	Use – dairy pasture	Nitrates	Min Flow
			Bore Number	Depth to top of screen (min) (m)	Bore Number	Consent						
CRC051943	G J Cairns Limited	X										
CRC052032	Lowe N S & A J		K36/0816	50								
CRC052214	Sheate P J & M J						CRC951542					
CRC052478	Roxburgh Farms Ltd		K36/0824	100						X	X	
			K36/0825	100								
CRC052609	Currie N C & G M		K36/0813	Shallow bore						X	X	X
			K36/0826	45								
CRC052651	McNab A J H	X										
CRC052731	D.G & C.M. Williamson Farming Limited		L37/1406	30			CRC960696 CRC982043 CRC010180	CRC960696				
			L37/1407	30								
			L37/1408	30								
CRC052786	Alford Park Limited		K36/0827	70			CRC950930.2 CRC950929 CRC950927.1					
			K36/0828	70								
CRC052871	Brown G A & M A											
CRC054347	Briggs R L				K37/2486	CRC060738 Limit to 2,318 m <sup>3</sup> /day	CRC930920 CRC042199.1 CRC060738	CRC042199.1				
CRC054367	Nordquist C M & B A	X										
CRC054382	Lagmhor Limited	X	K37/2498	20			CRC051306.1					
CRC054425	Tullymett Farm Limited	X	K36/0792	30								X
			K36/0793	Shallow bore								
CRC054454	Digby, L R & H J											
CRC054610	Brown A F		K36/0823	90			CRC980368 CRC980370					
CRC054845	Prendergast G & V A	X										
CRC060790	Cross, S B & M J		L37/1430	47								
CRC061073	Bennett R A		L371172	30						X	X	
CRC062398	McCosker, K M & L M		L37/1500	30								
CRC062865	Stoddart, P F & J A		K37/2729	40								
CRC063817	Shearer, H & M		K37/2282	55				GREENSTREET				
CRC064232	Ross Tait Ltd	X	K37/2908	25			CRC951956 CRC951957					
CRC071168	Stepping Stones (2004) Ltd	X	K36/0948	50						X	X	

**Appendix 8. Valetta Groundwater Allocation Zone – Additional conditions recommended**

Consent Number	Applicant	Well Interference	Screening Depth		Bore overlap		Combined consents	Scheme Water (name scheme)	Surrender (Consents)	Use – Dairy Pasture	Nitrates
			Bore Number	Depth to top of screen (min) (m)	Bore Number	Consent					
CRC041730	Yollom Farm Limited						CRC951893 CRC951892.1				
CRC042248	Mr & Mrs G P & F M Wilson	X									
CRC042880	Gregory Partnership		K37/0690	40							
CRC050064	Mr & Mrs L P & M M Read		K37/2160	60			CRC960546 CRC012612				
CRC050163	Mr & Mrs C C & L A Fleming						CRC050163				
CRC050291	Intersouthern Deer Limited						CRC070633	MAYFIELD HINDS		X	X
CRC050293	Punawai Pastures Limited		K37/0778	60							
CRC050331	Mr & Mrs P A & G J Blain	X					CRC951696 CRC951697 CRC032052				
CRC050375	Waikari Hills (1989) Limited				K37/1812	CRC040358.2 CRC041812.3. Limit rate to 100 l/s & 8,640 m <sup>3</sup> /day	CRC040358.2 CRC041812.3			X	X
CRC050406	Mr & Mrs C & W R Nordqvist							VALETTA			
CRC050473	Mr & Mrs P G & J A Everest										
CRC050911	Mr A J White	X	K37/2334	30							
CRC050987	Mr & Mrs G J & M K Dickson										
CRC051054	Winslow Feeds Limited	X					CRC030195.3				
CRC051164	Mr & Mrs G W B & T M Gallagher		K37/0804	30							
CRC051183	Mr S B Roy		K37/0782	95			CRC012097.1				
CRC051224	Mr & Mrs V A & C J Donaldson		K37/0783	95							
			K37/0788	80							
			K37/0789	80							
CRC051356	Mr & Mrs G A & J K McAndrew		K37/2284	45							
CRC051392	Longbeach Estate Limited						CRC951894				
CRC051418	Messrs P J & C J Hampton	X	K37/2079	35	K37/2078	CRC041848.1 to operate non-concurrent.	CRC041848.1 CRC084996			X	X
CRC051601	Forest Park Limited		K37/0806	60						X	X

Consent Number	Applicant	Well Interference	Screening Depth		Bore overlap		Combined consents	Scheme Water (name scheme)	Surrender (Consents)	Use – Dairy Pasture	Nitrates
			Bore Number	Depth to top of screen (min) (m)	Bore Number	Consent					
CRC051603	Deane Taylor Ashton Limited		L37/1214	34			CRC990459 CRC952189 CRC952190 CRC952191 CRC960868				
CRC051661	Mr & Mrs P G & D L Lowe				K37/1752	CRC950054.3 Limit rate to 70 l/s	CRC950054.3	LYNNFORD			
CRC051668	Eskdale Farm Limited		K37/2282	33							
CRC051680	N J & M J Brooks Limited		K37/1434	50							
CRC051758	Mr & Mrs J P & A M McGillen	X									
CRC051809	Mr B M Gosling							UNSURE OF NAME		X	X
CRC051942	Rushton Farming Company Limited		K36/0814	30							
CRC051961	Mr & Mrs L W & D I Molloy	X					CRC001050 CRC001051		CRC001051		
CRC052171	Mr & Mrs K B & R A Townshend	X			K37/1882 K37/1710	CRC971312.3 & CRC030896.1 Limited duration transfers till 1-7-09. Limit rate to 45 l/s per bore & 7,452 m <sup>3</sup> /day	CRC030896.1 CRC960112.2	EIFFELTON		X	X
CRC052213	Mr & Mrs B F Best & P M Clarke	X									
CRC052249	G Jansen		K37/2434	59							
CRC052262	New Zealand Rural Property Trust Nominees Limited						CRC961606 CRC012024	EIFFELTON	CRC961606 CRC012024	X	X
CRC052363	Mr & Mrs S M & K J Clements	X									
CRC052470	Mr & Mrs P J & G P McEwan				K37/1763	CRC962082.3, limit rate to 47 l/s & 3,900 m <sup>3</sup> /day	CRC962082.3			X	X
CRC052635	Mr R F Girvan		K37/2425 K37/2426	60 60			CRC001811		CRC001811		
CRC052637	Intersouthern Deer Limited		K37/2423 K37/2424	60 60							
CRC052963	Mr & Mrs D J & B J Quigley							VALETTA			
CRC054110	Tait Partnership Limited	X					CRC030102				
CRC054174	Messrs D J & M J Stoddart		K37/2305 K37/2397 K37/2477	30 30 30			CRC952155 CRC952157 CRC952158.1 CRC952159.2		CRC952155 CRC952157 CRC952158.1		
CRC054222	Mr & Mrs J C & A M McCormick										
CRC054361	The Mounds Limited	X	K37/2450 K37/2451	60 60			CRC054364			X	X

Consent Number	Applicant	Well Interference	Screening Depth		Bore overlap		Combined consents	Scheme Water (name scheme)	Surrender (Consents)	Use – Dairy Pasture	Nitrates
			Bore Number	Depth to top of screen (min) (m)	Bore Number	Consent					
CRC054364	Mr F Luxton		K37/2452	60			CRC054361			X	X
			K37/2453	60							
CRC054369	Mr W H Dobbs										
CRC054848	Messrs J R & A J B Stackhouse										
CRC060329	Mr & Mrs DM & EJ Grant										
CRC060783	Devonlea Farm Limited		K37/0845	67							
			K37/0846	67							
			K37/0847	67							
			K37/2481	90							
CRC061587	Hackthorne Farms Limited		K37/2634	90							
			K37/2637	90							
CRC062236	Des Millar Construction Limited	X									
CRC063097	Mr D J Read		K37/2767	90			CRC960122 CRC960123		CRC960122 CRC960123		
CRC063212	Mr & Mrs MA & SK Etheridge	X									
CRC064345	R F Wilson		K37/2881	94			CRC962085		CRC962085		
CRC070633	Intersouthern Deer Limited	X	K37/2959	50			CRC050291	VALETTA		X	X
			K37/2960	50							
CRC072224	Yollom Farm Limited		K37/2986	30						X	X
			K37/2987	30							
CRC072748	Mr C Gordon & Ms HK Rapsey		K37/2981	100			CRC000305			X	X
			K37/2983	100							

**Appendix 9. Expired Bore Permits for Proposed Bores in Ashburton River Groundwater Allocation Zone**

<b>Associated Water Permit</b>	<b>Applicant</b>	<b>Bore Number</b>	<b>Bore consent Number</b>
CRC054425	Tullymett Farm Limited	K36/0792	CRC050793
		K36/0793	
CRC052609	Mr & Mrs N C & G M Currie	K36/0813	CRC051845
CRC052478	Roxburgh Farms Limited	K36/0824	CRC052477
		K36/0825	
CRC052609	Alford Park Limited	K36/0826	CRC052608
		K36/0827	CRC052779
		K36/0828	

**Appendix 10. Expired Bore Permits for Proposed Bores in Valetta Groundwater Allocation Zone**

<b>Associated Water Permit</b>	<b>Applicant</b>	<b>Bore Number</b>	<b>Bore consent Number</b>
CRC051356	Mr & Mrs G A & J K McAndrew	K37/2284	CRC042877
CRC050911	Mr A J White	K37/2334	CRC050476
CRC052249	G Jansen	K37/2434	CRC052135
CRC054361	The Mounds Limited	K37/2450	CRC052770
		K37/2451	
CRC054364	Mr F Luxton	K37/2452	CRC052772
		K37/2453	
CRC054174	Messrs D J & M J Stoddart	K37/2397	CRC051584
		K37/2477	CRC054161
CRC061587	Hackthorne Farms Limited	K37/2481	CRC054273

## Appendix 11. Standard Suite of Proposed Conditions

- 1) Water may be taken only from bore [bore no], [diameter] millimetres diameter and [depth] metres deep, at map reference [map reference].

- 2) Water may be taken at a rate not exceeding [instantaneous rate] litres per second, with a volume not exceeding [volume] cubic metres in any period of [design return period] consecutive days, and [seasonal volume] cubic metres between 1st July and the following 30th June.

- 3) Water shall only be used for irrigation of crops and pasture for grazing stock, excluding milking dairy cows [and beef feedlot?], as described in the application, on the area of land shown in attached plan CRCxxxxxx, which forms part of this consent.

- 4) The consent holder shall, before the first exercise of this consent, install an easily accessible straight pipe(s), with no fittings or obstructions that may create turbulent flow conditions, of a length at least 15 times the diameter of the pipe, as part of the pump outlet plumbing or within the mainline distribution system.

The consent holder shall before the first exercise of this consent:

- (a)
  - (i) install a water meter(s) that has an international accreditation or equivalent New Zealand calibration endorsement, and has pulse output, suitable for use with an electronic recording device, which will measure the rate and the volume of water taken to within an accuracy of plus or minus five percent as part of the pump outlet plumbing, or within the mainline distribution system, at a location(s) that will ensure the total take of water is measured; and
  - (ii) install a tamper-proof electronic recording device such as a data logger(s) that shall time stamp a pulse from the flow meter at least once every [specify time period - default = 15 minutes for takes with a "high" degree of hydraulic connection, 60 minutes for all others], and have the capacity to hold at least one season's data of water taken as specified in clauses (b)(i) and (b)(ii), or which is telemetered, as specified in clause (b)(iii).
- (b) The recording device(s) shall:
  - (i) be set to wrap the data from the measuring device(s) such that the oldest data will be automatically overwritten by the newest data (i.e. cyclic recording); and
  - (ii) store the entire season's data in each 12 month period from 1 July to 30 June in the following year, which the consent holder shall then download and store in a commonly used format and provide to the Canterbury Regional Council upon request in a form and to a standard specified in writing by the Canterbury Regional Council; or
  - (iii) shall be connected to a telemetry system which collects and stores all of the data continuously with an independent network provider who will make that data available in a commonly used format at all times to the Canterbury Regional Council and the consent holder. No data in the recording device(s) shall be deliberately changed or deleted.
- (c) The water meter and recording device(s) shall be accessible to the Canterbury Regional Council at all times for inspection and/or data retrieval.
- (d) The water meter and recording device(s) shall be installed and maintained throughout the duration of the consent in accordance with the manufacturer's instructions.
- (e) All practicable measures shall be taken to ensure that the water meter and recording device(s) are fully functional at all times.

- 6) The Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, shall be informed immediately on first exercise of this consent by the consent holder.

- Within one month of the installation of the measuring or recording device(s), or any subsequent replacement measuring or recording device(s), and at five-yearly intervals thereafter, and at any time when requested by the Canterbury Regional Council, the consent holder shall provide a certificate to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, signed by a suitably qualified person certifying, and demonstrating by means of a clear diagram, that:
- 7)
    - (a) The measuring and recording device(s) has been installed in accordance with the manufacturer's specifications; and
    - (b) Data from the recording device(s) can be readily accessed and/or retrieved in accordance with clauses (b) and (c) of condition (x).

- 8) The taking of water in terms of this permit shall cease for a period of up to 48 hours, on notice from the Canterbury Regional Council, to allow measurement of natural groundwater levels.

- (a) If the irrigation system used to distribute water taken in terms of this permit is used to distribute effluent, fertiliser or any other added contaminant, a backflow preventer manufactured in accordance with AS 2845.1 (1998) or the American Society of Sanitary Engineers standards shall be installed within the pump outlet plumbing or within the mainline, to prevent the backflow of water into the bore.
- 9)
  - (b) The backflow preventer shall be tested to the standard set out in AS 2845.3 (1993) or an equivalent method within one month of its installation and annually thereafter by a suitably qualified person. A test report shall be provided to the Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, within two weeks of each inspection.

- The consent holder shall take all practicable steps to:
- 10)
    - (a) Ensure that the volume of water used for irrigation does not exceed that required for the soil to reach field capacity; and
    - (b) Avoid leakage from pipes and structures; and
    - (c) Avoid the use of water onto non-productive land such as impermeable surfaces and river or stream riparian strips.

- 11) The Canterbury Regional Council may, once per year, on any of the last [number of days-default=five] working days of [month1] [or month2], serve notice of its intention to review the conditions of this consent for the purposes of dealing with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage.

- 12) The lapsing date for the purposes of section 125 shall be [between 5 years and 5 years three months, date set for each quarter].