Appendices

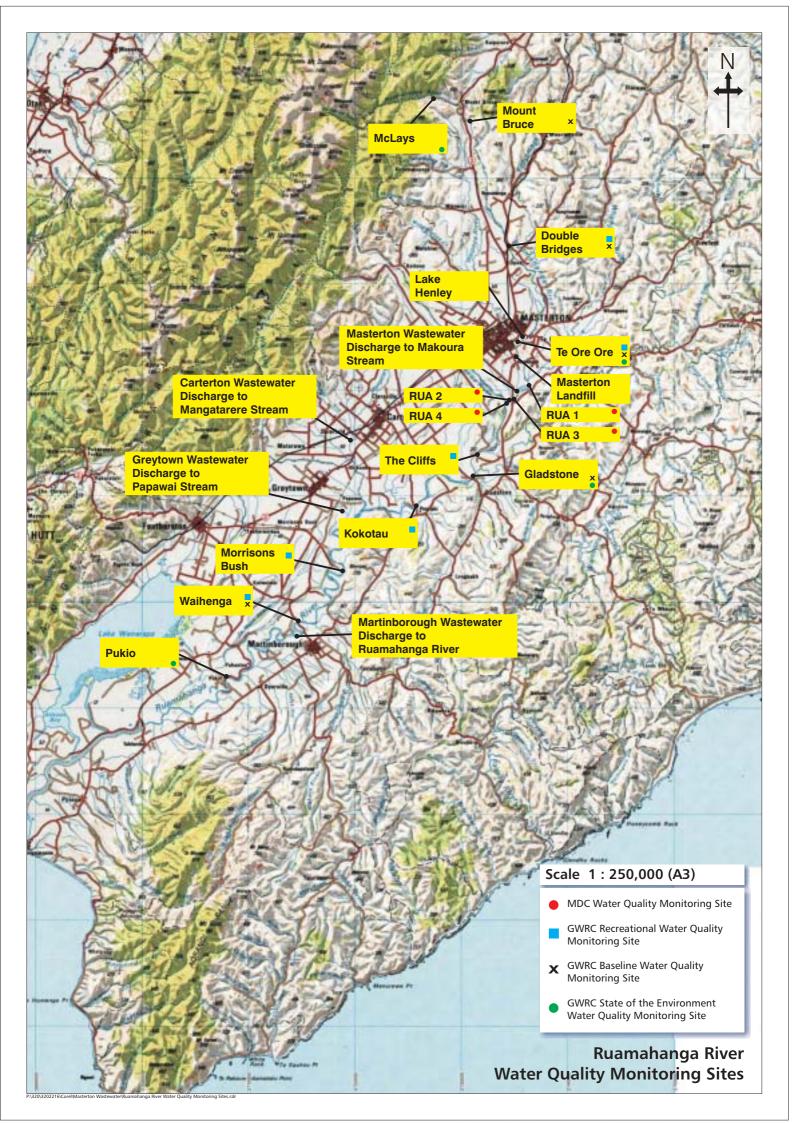
- Appendix A Water Quality
- Appendix B Water Quality Guidelines
- Appendix C Consultation
- Appendix D Designation Plan
 - WWTP Upgrade Plans
- Appendix E Certificates of Title

š Appendix A Water Quality

Appendix A1 Surface Water Quality Information



Figure A1.1 Location of Water Quality Monitoring Sites



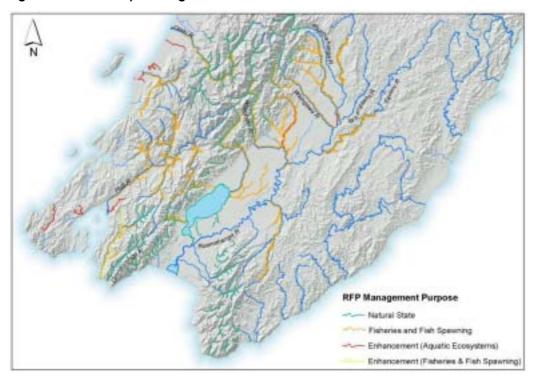
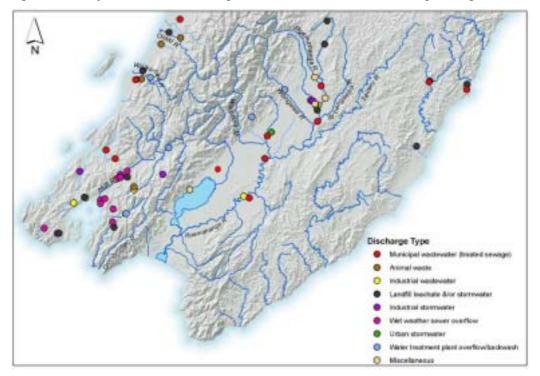




Figure A1.3 Major Authorised Discharges to Surface Waters in the Wellington Region²



¹ Source: Milne & Perrie 2005.

² Source: Milne & Perrie 2005.

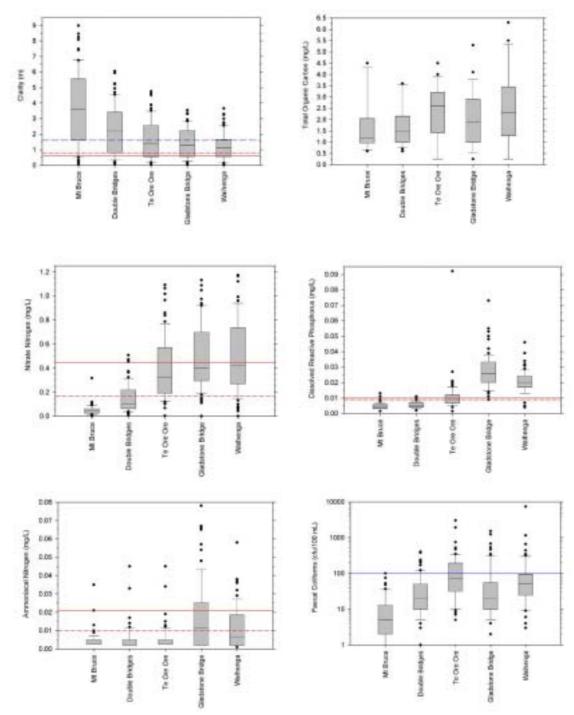


Figure A1.4 Clarity, total organic carbon, dissolved nutrient and faecal coliform values

Note: Recorded at RSoE monitoring sites on the Ruamahanga River during routine monthly sampling over July 1997 to July 2003 inclusive (from Milne & Perrie 2005).

- ANZECC (2000) Upland Trigger Value
- ANZECC (2000) Lowland Trigger Value
- ----- MfE (1994) Guideline for Bathing
- ANZECC (2000) Stockwater trigger value

Table A1.1. Macroinvertebrate characteristics from NRQMN dataset for Ruamahanga River sites (1989 – 2001)

Site (Code)	Taxa Number	Abundance	EPT abundance	% EPT	Deleatidium abundance	% Deleatidium	% Elmidae	% Aoteapsyche	% Chironomid
SH2 (WN5)	13	742	377	62	350	52	15	0.2	2
	(10-24)	(242-2658)	(151-1606)	(34-88)	(124-1467)	(31-77)	(9-49)	(0-1.7)	(0.1-48)
Wardells	23	2271	1059	42	672	25	33	4.2	8
(WN4)	(12-30)	(794-15382)	(180-3611)	(4-73)	(67-1300)	(1-71)	(5-85)	(0.2-18)	(0-62)
Waihenga	16	2898	1386	43	960	30	32	1.8	14
(WN3)	(10-25)	(954-7821)	(283-3065)	(16-68)	(181-1912)	(7-67)	(18-76)	(0-48)	(0-48)

Note:

Sites: WN 5 = Ruamahanga @ SH2 (Mt Bruce; catchment 78 km²; 135 km from mouth); WN 4 = Ruamahanga @ Wardells (below MWTP discharge; catchment 640 km²; 95 km from mouth);. WN3 = Ruamahanga @ Waihenga (catchment 2368 km²; 42 km from mouth).

EPT = Ephemeroptera (mayflies), Plecoptera (Stoneflies), Trichoptera (Caddisflies).

All data is median for 0.7 m^2 , 5 - 95% ile bracketed.

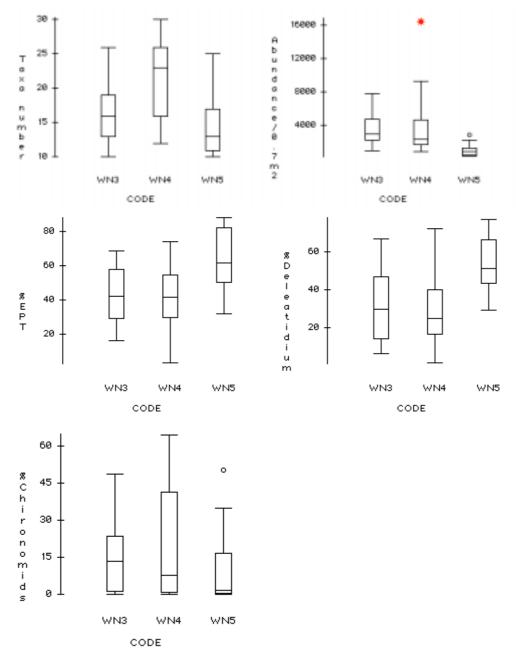
Table A1.2. Summary of dissolved inorganic nitrogen monitoring data for the Ruamahanga River
between 1994 and 2001

Site	Samples	Mean	Median	Minimum	Maximum	20%ile	80%ile		
Annual	Annual								
Rua_1	76	567	501	0	1353	324	833		
Rua_2	75	1000	869	0	2779	568	1433		
Summer									
Rua_1	37	435	479	0	717	307	555		
Rua_2	36	857	857	0	1758	519	1124		

Table A1.3. Summary of dissolved phosphorus monitoring data for the Ruamahanga River
between 1994 and 2001

Site	Samples	Mean	Median	Minimum	Maximum	20%ile	80%ile		
Annual	Annual								
Rua_1	75	11.4	10	3	31	7.5	15		
Rua_2	75	132	106	10	441	62	172		
Summer									
Rua_1	36	10.1	9.5	3	27	6	12		
Rua_2	36	179	146	13	441	83	307		

Figure A1.5 Selected macroinvertebrate characteristics from NRQMN dataset for Ruamahanga River sites (1989 – 2001)



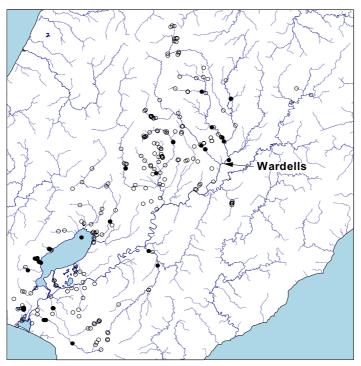
Species		Count	Diadromous?	Above Wardells?	In Waingawa?	Max penet (km)
Aldrichetta forsteri	Yelloweyed mullet	2	Y	N	N	3
Mugil cephalus	Grey mullet	1	Y	N	N	3
Oncorhynchus tshawytscha	Chinook salmon	1	Y	N	N	3
Rhombosolea retiaria	Black flounder	1	Y	N	N	3
Galaxias postvectis	Shortjaw kokopu	1	Y	N	N	9
Gobiomorphus hubbsi	Bluegill bully	3	Y	N	N	27
Carassius auratus	Goldfish	4	N	N	N	31
Scardinius erythrophthalm us	Rudd	8	N	N	N	36
Gobiomorphus gobioides	Giant bully	1	Y	N	N	37
Galaxias maculatus	Inanga	21	Y	N	N	80
Galaxias argenteus	Giant kokopu	15	Y	N	N	87
Perca fluviatilis	Perch	13	N	N	N	102
Tinca tinca	Tench	4	N	N	N	102
Oncorhynchus mykiss	Rainbow trout	4	N	N	N	103
Retropinna retropinna	Common smelt	11	Y	N	Y	106
Gobiomorphus cotidianus	Common bully	58	Y	Y	Y	124
Gobiomorphus huttoni	Redfin bully	25	Y	Y	Y	124
Cheimarrichthy s fosteri	Torrentfish	34	Y	Y	Y	125
Geotria australis	Lamprey	11	Y	Y	N	131
Galaxias divergens	Dwarf galaxias	6	N	Y	N	131
Gobiomorphus breviceps	Upland bully	46	N	Y	Y	131
Neochanna apoda	Brown mudfish	45	N	Y	Y	131
Galaxias brevipinnis	Koaro	10	Y	Y	Y	149
Galaxias fasciatus	Banded kokopu	8	Y	Y	N	150
Anguilla australis	Shortfin eel	67	Y	Y	Y	165

Table A1.4. Fish species in 249 NZFFD records for the Ruamahanga River catchment, retrieved on 19/12/05. Wardells is about 98 km inland

Masterton Wastewater Treatment Plant and Disposal System Long-Term Upgrade Notice of Requirement/Resource Consent Applications/Assessment of Effects on the Environment

Species		Count	Diadromous?	Above Wardells?	In Waingawa?	Max penet (km)
Anguilla dieffenbachii	Longfin eel	129	Y	Y	Y	165
Gobiomorphus basalis	Crans bully	10	Ν	Y	N	165
Salmo trutta	Brown trout	84	Ν	Y	Y	165

Figure A1.5 Distribution map for torrentfish Cheimarrichthys fosteri in the Ruamahanga River catchment



Note: Open circles are sites sampled, solid circles are sites where torrentfish were present.

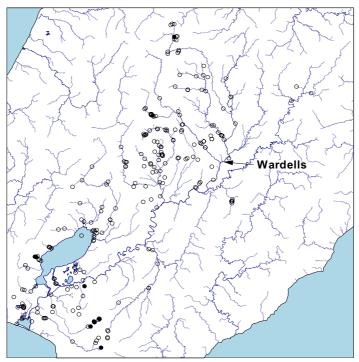
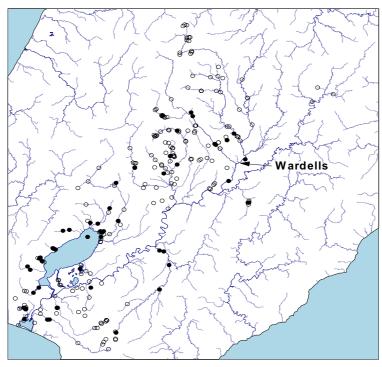


Figure A1.6 Distribution map for koaro Galaxias brevipinnis in the Ruamahanga River catchment

Note: Open circles are sites sampled, solid circles are sites where koaro were present.

Figure A1.7 Distribution map for common bully *Gobiomorphus cotidianus* in the Ruamahanga River catchment



Open circles are sites sampled, solid circles are sites where common bully was present.

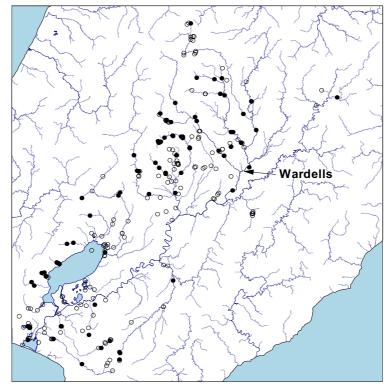
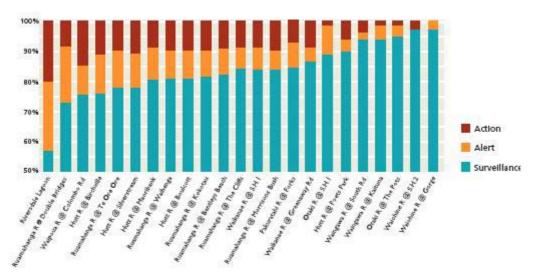


Figure A1.8 Distribution map for brown trout Salmo trutta in the Ruamahanga River catchment

Note: Open circles are sites sampled, solid circles are sites where brown trout were present (Hickey 2006).



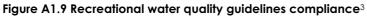
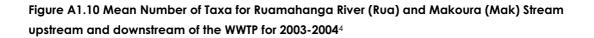


Table A1.5. Macroinvertebrate results from April 2002 monitoring
(Table 3 from Bioresearches 2002)

Site	Mean N° of Individuals (per 960 cm²)	Mean N° of taxa (per 960 cm²)	Dominant Species	% EPT	QMCI			
1 (~Rua 1)	367	11.8	Elmidae: Beetles (58%)	41	6.3			
2	136	7.4	Elmidae: Beetles (56%)	40	6.2			
Discharge								
3 (Rua 2)	788	13.8	Elmidae: Beetles (75%)	20	5.8			
4 (Rua_2+400m)	288	13.6	Elmidae: Beetles (80%)	17	5.9			
5 (Rua 2+800m)	91	7	Elmidae: Beetles (63%)	34	6.3			
Waingawa Riv	Waingawa River							
6	71	7	Leptophlebiidae Mayflies (35%)	61	6.7			

³ Expressed as a percentage of total samples over the last four summer seasons. Source: 2005 State of the Environment Report (GW, 2006 cited in Ball, 2006)



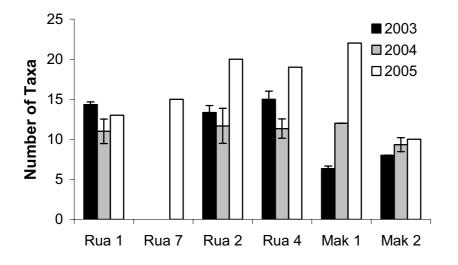
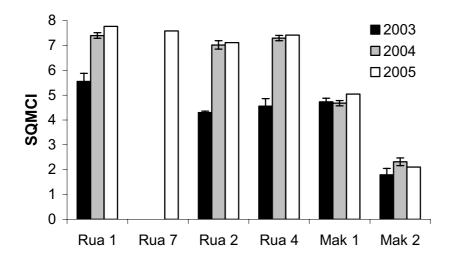


Figure A1.11 Mean SQMCI calculated for Ruamahaunga River (Rua) and Makoura (Mak) Stream upstream and downstream of the WWTP for 2003-2004⁵



⁴ Note: with Standard Deviation. Mean Number of Taxa was not calculated in 2005 as only single handnets were collected at each site. (Figure 3 from Cawthron 2005).

⁵ Note: with Standard Deviation. Mean Number of Taxa was not calculated in 2005 as only single handnets were collected at each site. (Figure 3 from Cawthron 2005).

Table A1.6. Mean macroinvertebrate index scores for RSoE monitoring sites on the Ruamahanga River sampled annually over 1999-2003.⁶

Site Name	МСІ		SQMCI		% EPT (taxa)		% EPT (animals)	
	Mean Score	SE	Mean Score	SE	Mean Score	SE	Mean Score	SE
Mt Bruce	126.3	5.7	6.50	0.47	56.6	3.8	57.2	5.0
Double Bridges	117.6	3.2	6.10	0.49	46.8	4.6	54.7	10.4
Te Ore Ore	112.2	3.9	4.68	0.79	47.4	2.0	31.7	13.7
Gladstone Bridge	107.4	3.4	5.47	0.46	41.8	2.3	27.9	6.3
Waihenga	110.2	3.0	5.73	0.34	45.8	4.6	32.7	11.1

Table A1.7. Predicted clarity changes for a 30-fold dilution of wastewater

Name	Уd	Qu	Yeff	Уu	%redn y₀ of yd
Minimum	-0.04	10.00	0.07	-0.04	
Maximum	5.70	14.20	0.81	9.91	
Mean	1.09	12.10	0.21	1.51	-28
Std Deviation	0.80	1.21	0.08	1.50	
Variance	0.65	1.47	0.01	2.26	
Skewness	1.29	0.00	1.29	2.16	
Kurtosis	4.93	1.80	5.76	8.70	
Errors Calculated	0	0	0	0	
Mode	0.69	10.32	0.17	0.43	
5% Perc	0.17	10.21	0.12	0.17	0.3
10% Perc	0.27	10.42	0.13	0.27	-0.8
15% Perc	0.34	10.63	0.14	0.35	-2.7
20% Perc	0.42	10.84	0.15	0.44	-4.0
25% Perc	0.49	11.05	0.16	0.52	-5.4
30% Perc	0.57	11.26	0.17	0.61	-6.5
35% Perc	0.64	11.47	0.17	0.70	-8.4
40% Perc	0.72	11.68	0.18	0.80	-9.3
45% Perc	0.81	11.89	0.19	0.90	-10.8
50% Perc	0.89	12.10	0.20	1.02	-12.8
55% Perc	1.00	12.31	0.21	1.16	-13.9
60% Perc	1.10	12.52	0.22	1.31	-15.8
65% Perc	1.22	12.73	0.23	1.48	-17.9
70% Perc	1.35	12.94	0.24	1.69	-20.3
75% Perc	1.49	13.15	0.25	1.95	-23.3
80% Perc	1.68	13.36	0.27	2.28	-26.0
85% Perc	1.90	13.57	0.29	2.72	-30.1
90% Perc	2.20	13.78	0.32	3.39	-35.2
95% Perc	2.67	13.99	0.36	4.63	-42.4

⁶ With Standard Deviation (from Milne & Perrie 2005).

Figure A1.12 Photographs of the Ruamahanga River at Various Flows

Ruamahanga River at Te Ore Ore Bridge, 24 November 2005, approximately half median flow $(7 \text{ m}^3/\text{s})$



Ruamahanga River at Wardells Bridge, 24 November 2005, approximately half median flow (7 $\rm m^3/s)$



Ruamahanga River at The Cliffs, 24 November 2005, approximately half median flow $(7 \text{ m}^3/\text{s})$



Ruamahanga River at Te Ore Ore Bridge, 20 December 2005, approximately median flow (11 $\rm m^3/s)$



Ruamahanga River at Wardells Bridge, 20 December 2005, approximately median flow (11 $\rm m^3/s)$



Ruamahanga River at The Cliffs, 20 December 2005, approximately median flow (11 m³/s)



Ruamahanga River at Te Ore Ore Bridge 5 December 2005, river in flood (90 m³/s)



Ruamahanga River at Wardells Bridge, 5 December 2005, river in flood (90 m³/s)



Ruamahanga River at The Cliffs, 5 December 2005, river in flood (90 m³/s)



Appendix A2

Groundwater Information

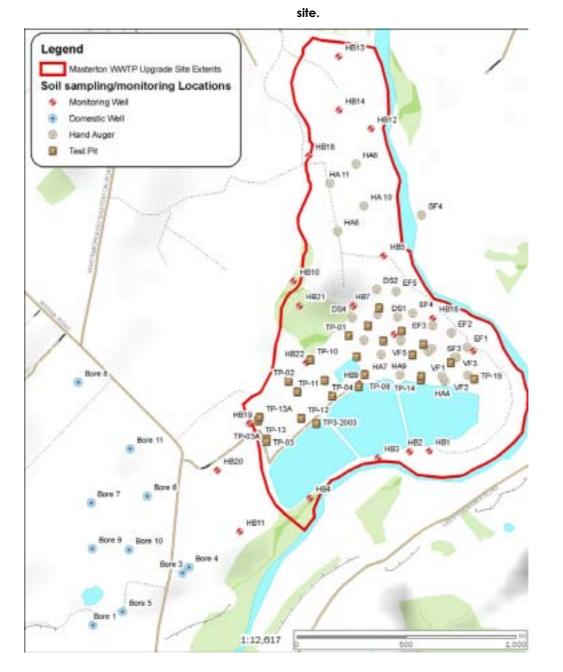
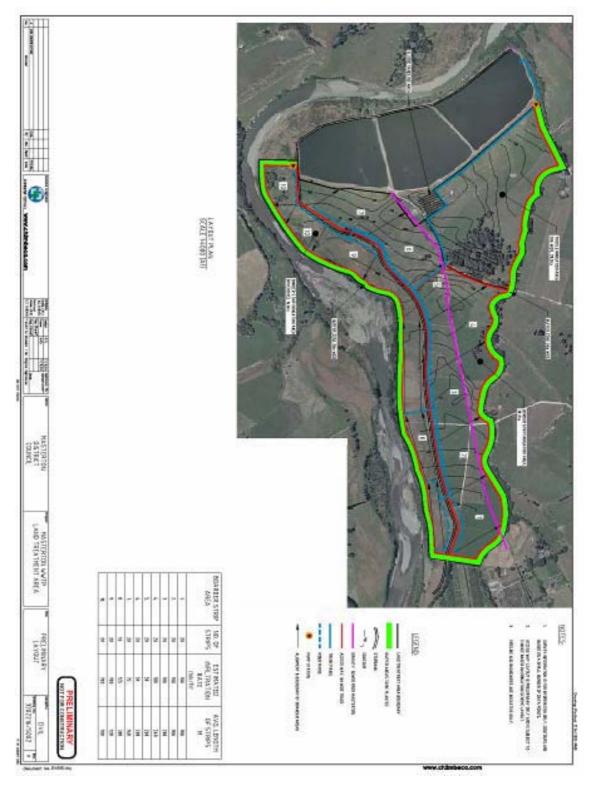


Figure A2.1 Locations of wells, test pits and bore holes at and in the vicinity of the Masterton WWTP

Appendix A3

Land Irrigation Information





⁷ The disposal area is divided up into a total of 11 irrigation zones that can be isolated and operated independently of the others (refer Figure A.3.2 in Appendix A.3).

š Appendix B Water Quality Guidelines

Appendix **B**

Water Quality Guidelines

Physico-chemical, macroinvertebrate and microbiological guidelines for Receiving Water Quality

Variable (units)	Guideline Value	Guideline type	Reference		
Water clarity (m)	1.6 20% change for Class A waters where clarity is an important characteristic	Aesthetic	MfE (1994)		
Water colour - Hue (Munsell points)	10 °(for Class A waters)	Aesthetic	MfE (1994)		
Livestock drinking – nutrients (N, g/m ³)	90 for nitrate; 9 for nitrite	Livestock health	ANZECC (2000)		
Livestock drinking – microbial toxins (microcystins, o g/L)	2.3	Livestock health	ANZECC (2000)		
Aquatic life – total ammonia-nitrogen (N, g/m³)	1.61 @ pH 7.5	Ecological protection	ANZECC (2000) ^b		
Aquatic life – nitrate- nitrogen (N, g/m³)	7.2	Ecological protection	ANZECC (2000) ^c		
Macroinvertebrate (species and macroinvertebrate community index (MCI) and semi-quantitative index (SQMCI))	Descriptors with assessment relative to upstream site	Ecological protection	Stark (1998)		
Periphyton taxonomic and biomass (Species richness)	Descriptors with assessment relative to upstream site	Ecological protection	-		
Temperature change (°C)	3	Ecological protection	WRFP A8.2(2)		
pH range	6.5 - 9.0	Ecological protection	ANZECC (1992)		
Dissolved oxygen (%saturation)	- 80	Ecological protection	RMA 1991 Third schedule		
Periphyton cover – aesthetics/recreation (%cover); biomass (Chlorophyll <i>a</i> ; mg/m ²)	>60% mat cover >30% filamentous cover 120 Chlorophyll	Aesthetic (nuisance growths)	MfE (2000)		
Periphyton cover: nutrients – recreation (DRP, mg/m ³)	30	Aesthetic (nuisance growths)	MfE (2000) ^d		
Bathing water quality – microbiological (<i>E. coli</i> , cfu/100mL)	130 'Surveillence mode'260 'Alert mode'550 'Action mode'	Human health	MfE (2003)		
Drinking water quality 1.0 - microbial toxins 20,000 (microcystins, σg/L; cells/mL)		Human health	WHO (1998)		

- ^a A 5 Munsell point change is recommended for Class A waters where hue is an important characteristic of the water body (MfE 1994, p35), with a 10 point change for other waters. The optically shallow Ruamahanga River is dominated by bed colour and a 10 point change is considered appropriate.
- ^b Guideline for a "slightly-moderately disturbed" ecosystem for a 95% level of protection (ANZECC 2000, Table 8.3.7)

 Value recalculated from ANZECC (2000) Table 3.4.1; see correction: http://www.mfe.govt.nz/publications/water/anzecc-water-quality-guide-02/anzeccnitrate-correction-sep02.html

^d Site-specific guideline value for low-flow discharges (NIWA 2003x)

š[·]Appendix C **Consultation**

Appendix C Consultation

C.1.1 Overview of Consultation

MDC has undertaken an extensive public and stakeholder consultation programme on the issues and options for upgrading the wastewater system. The consultation process is outlined in the *Technical Report on the Recommended Scheme* (Beca 2005). The consultation has been undertaken in two phases.

Phase 1 was on the issues and options leading to Council's December 2004 decision to shortlist the options and to request some further investigations. Phase 2 was on the further investigations and Council's December 2004 decision. Both Phases involved stakeholder meetings/workshops, public meetings and open days with site visits and a free telephone enquiry line.

The Consultation Task Group with facilitating the consultation process. The CTG included specific industry and sector group representatives, including: Rangitaane O Wairarapa; Ngati Kahungunu Ki Wairarapa; Dairy Farmers of New Zealand (Wairarapa); Industry; Recreational Users – Wellington Fish and Game Council; and Masterton District Council. There has also been consultation outside of the Consultation Task Group, with other interested parties and the community in general.

Formal feedback from key stakeholder groups is included in the Appendices to the Technical Report. Feedback has been received from Rangitaane O Wairarapa, Ngati Kahungunu Ki Wairarapa, Department of Conservation, Fish and Game New Zealand and the DHB.

One outcome of the consultation was that there was still opposition from some quarters to aspects of the schemes short listed in December 2004 and to the recommended scheme.

In particular, the two iwi groups have expressed residual concerns regarding any ongoing discharge to the river. These concerns have also been echoed to a degree by other submitters.

A range of concerns has been expressed by those consulted, and these are summarised and discussed below.

C.1.2 Issues Raised

The consultation process identified a number of issues. In summary, the main issues identified were:

- $\check{\mathbf{S}}^{\,\cdot}$ Cultural concerns including whether there should be full time land based disposal
- \check{S} Nature of treatment pond technology and nutrient removal
- $\check{\mathbf{S}}^{\,\cdot}$ Pond leakage volume and effects
- \check{S} [·] Erosion risks to ponds
- $\check{\mathbf{S}}$ Discharge regime (median or half median)
- \check{S} River water quality standards/targets, including metals, attached algae
- \check{S} Health impacts/risk

- $\check{\mathbf{S}}$ Fonterra's requirements (in relation to wastewater discharges)
- \check{S} Sludge volume in ponds
- $\check{\mathbf{S}}$ [•] Blue green algae impacts from Oxidation Ponds
- \check{S} Land treatment/disposal
 - Aerosols
 - Application method
 - High irrigation rates
 - Effect on soils
 - Nutrient removal
 - Ground water effects.
- $\check{\mathbf{S}}^{\,\cdot}$ Discharge to the Ruamahanga River vs Makoura Stream
- $\check{\mathbf{S}}^{\cdot}$ Reticulation addressing high inflows.

The CTG considered these issues and in December 2004 confirmed what it considered to be the "Top 5" issues:

- $\check{\mathbf{S}}^{\,\cdot}$ Wastewater and river water quality
- $\check{\mathbf{S}}$ Risks to the existing treatment plant from natural hazards
- $\check{\mathbf{S}}$ Leakage from the existing treatment plant
- $\check{\mathbf{S}}$ [·] Inflow and Infiltration to the reticulation network
- $\check{\mathbf{S}}^{\cdot}$ Future proofing of the treatment process.

A summary of how these and other relevant issues have been addressed is contained in Table C.1 and are detailed further in section 5 of this report.

Table C.1. Consultation Issues and Measures to Address them

Issue	How the issue has been addressed
Concern over wastewater and river water quality The favoured option is one that provides the best environmental and healthiest outcome is selected.	A receiving water targets (eg phosphorus and bacteria) have been developed from national and international guidelines. The direct discharge of wastewater would be eliminated from the river (ie through land irrigation) during low river flows, particularly in summer, to provide significant improvements to the river water quality.
Risks to the existing treatment plant from natural hazards	The potential risks have been investigated in depth in the Masterton and are considered to be acceptable and manageable as part of the proposed upgrade.
Leakage from the existing treatment plant	This matter has been extensively investigated (refer Beca 2003, 2004 and 2006). As a result of further investigations undertaken in 2004, it is considered impractical to put an engineered liner in the existing ponds (Beca 2004). It is also considered that the settled sludge provides a significant degree of natural sealing of the ponds bases. Some groups and individuals considered that the ponds should be lined. However, even if the ponds could be provided with an engineered liner there would still be a certain amount of leakage.

Issue	How the issue has been addressed
	Given the impracticalities of putting an engineered liner into the existing ponds or any new ponds and that the amount and effects of the leakage are not significant, the degree of leakage is considered acceptable under this proposal.
Inflow and infiltration (I/I) to the reticulation system	The existing ponds have sufficient capacity for coping with large peak flows. However, an ongoing asset management program is in place to address potential excessive inflow and infiltration during wet periods.
Future proofing of the treatment process	With respect to the proposed option, future proofing is an issue of flexibility to address future changes in environmental standards (eg higher receiving water quality). The proposed system can be readily upgraded to produce higher quality wastewater. The Council has also resolved to pursue further irrigation land. In addition the Council can develop a strategy to review its standard of treatment with changes in receiving water quality and standards and upgrade its plant as necessary.
Desire to see wastewater discharged/irrigated to land rather than the Ruamahanga River	This matter has been a key component of the investigations since 1996. A wide range of land disposal/ treatment options has been considered. The recommended scheme option includes part time land irrigation to eliminate the discharge from the river during critical low river flows and significantly improve the river water quality.
Discharge to Ruamahanga River Vs Makoura Stream	The recommended scheme option is to discharge directly to the River as it is considered this will improve the overall receiving water quality.
Inclusion of a Wetland/Discharge of treated wastewater to water bodies.	A wetland was proposed with the short listed options (Issues and Options Report, Beca 2004), as a method of passing treated wastewater through land before being discharged to water however given the limited treatment benefit that it will provide and the lack of positive support A wetland is not included in the proposed option.
Sludge Disposal (volume in ponds) The community has expressed concerns about heavy metals in the sludge and the implications for disposal.	There are a number of standard methods for disposing of sludge. There is not a high heavy metal presence in the sludge as there are very few industries in Masterton producing heavy metals and discharging them to the sewer. The sludge will be dried and disposed of as landfill cover. At present there isn't considered to be a viable alternative use due to largely to the cost or market factors.
Concern over outbreaks of Blue Green Algal Blooms impacts from Oxidation Ponds.	The key to addressing this issue is prevention and a strategy has been put in place. This is to identify when there is a risk of such weather conditions occurring and to respond by increasing aeration to the relevant ponds at the appropriate times to prevent the conditions occurring within the ponds that could cause an outbreak of Blue algae. In addition, the fact that there would not be any direct discharges in summer low flows (the like of greatest risk of Blue Green algal blooms) provides a significant reduction in risk to the community.

C.1.3 Outcomes

The consultation process has been thorough and extensively undertaken to determine a preferred wastewater upgrade option. The consultation forums promoted have provided a number of opportunities for key stakeholders and the public to comment on the short-listing of options through to the completion of the investigations.

The consultation process has been successful in identifying the main areas of concern and the issues of particular importance to key stakeholders and the wider community.

The proposed upgrade option takes into account a number of key issues raised by the general public and stakeholders:

- \check{S} Improved effluent quality;
- \check{S} Improved receiving water quality;
- $\check{\mathbf{S}}^{\cdot}$ Land disposal of the wastewater; and
- \check{S} Minimise any financial effect on rates.

The proposed upgrade scheme selected addresses and provides for these matters. Therefore, it is consistent with the direction sought by those parties involved in the consultation process and delivers the BPO for a long term improvement of the treatment and disposal of Mastertons wastewater.

š Appendix D

Designation Plan WWTP Upgrade Plans or damages lineured, by any individuals or comp presented within this map. Furthermore, Masterton District@ouncill does not

> 42 ha more or less Sewage Treatment & Disposal Purposes

Masterton Wa Plant as desiç Masterton Dis

Key:

Additional De

Additional De

Stonbank De

91 ha more or less Sewage Treatment & Disposal Purposes

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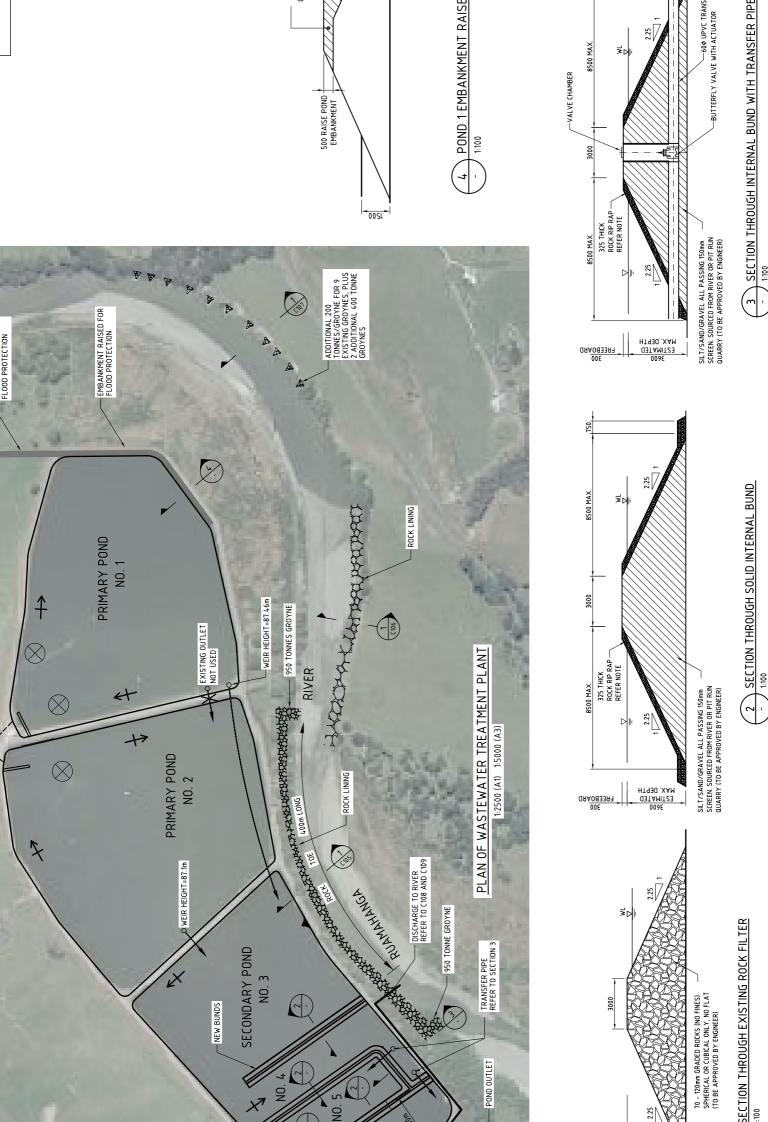
107.4 ha more or less New Land Purchase by Masterton District Council

Appendix D WWTP Upgrade Plans

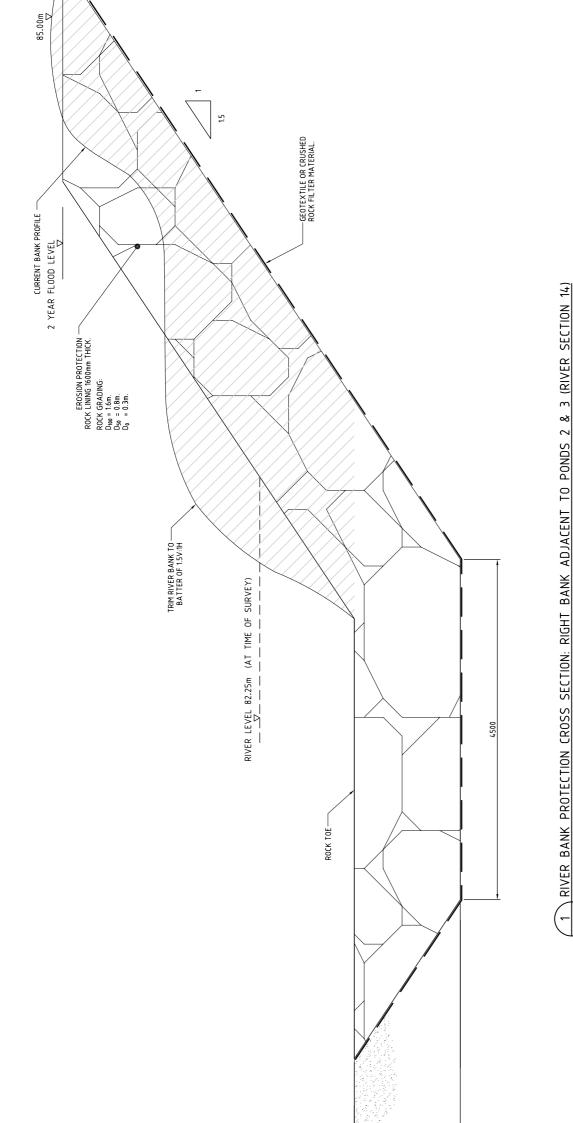
Drawings show the proposed upgrade to the Masterton Wastewater Treatment Plant. The upgrade is to be in general accordance with the Drawings and subject to detailed design.

Drawing List

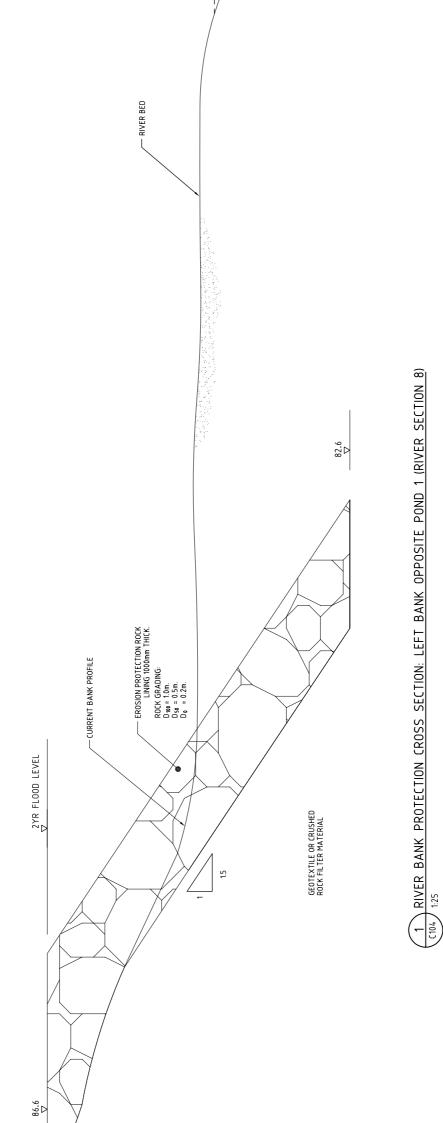
3202216-C104	Maturation Cell Preliminary Design
3202216-C105	Right Bank Erosion Protection
3202216-C106	River Bank Erosion Protection
3202216-C107	River Bank Erosion Protection
3202216-C108	Outlet Pipe and Flow Control
3202216-C109	Outfall Diffuser
3202216-C110	Irrigation Preliminary Layout
3202216-C111	Irrigation and Recycle Pump Stations

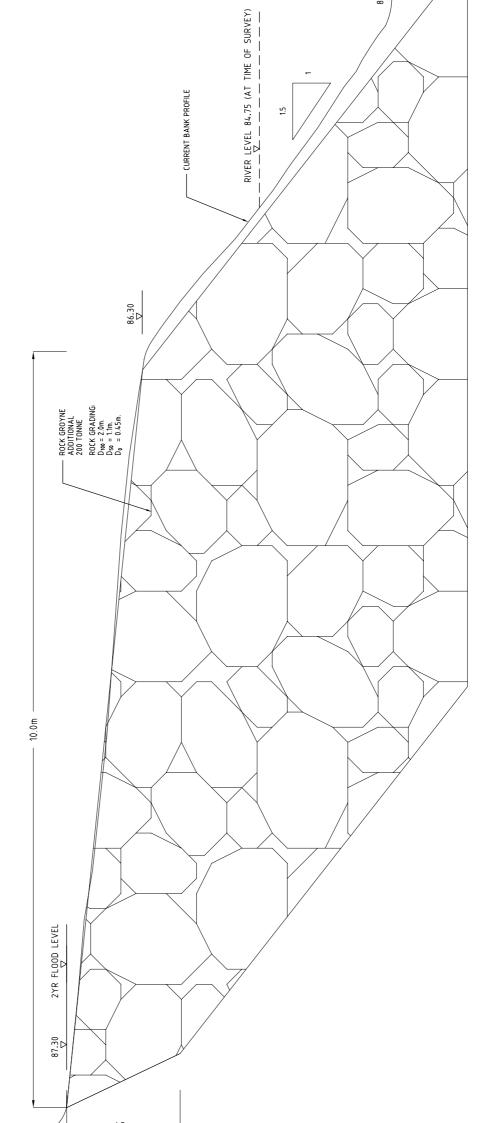


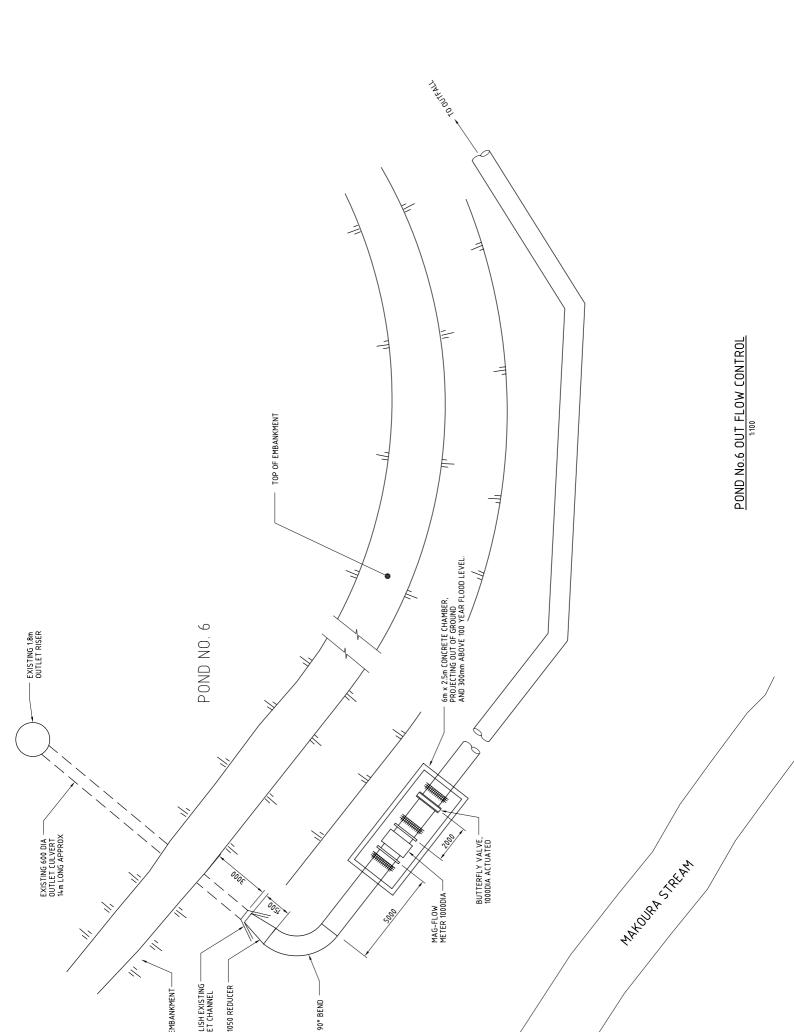
:100

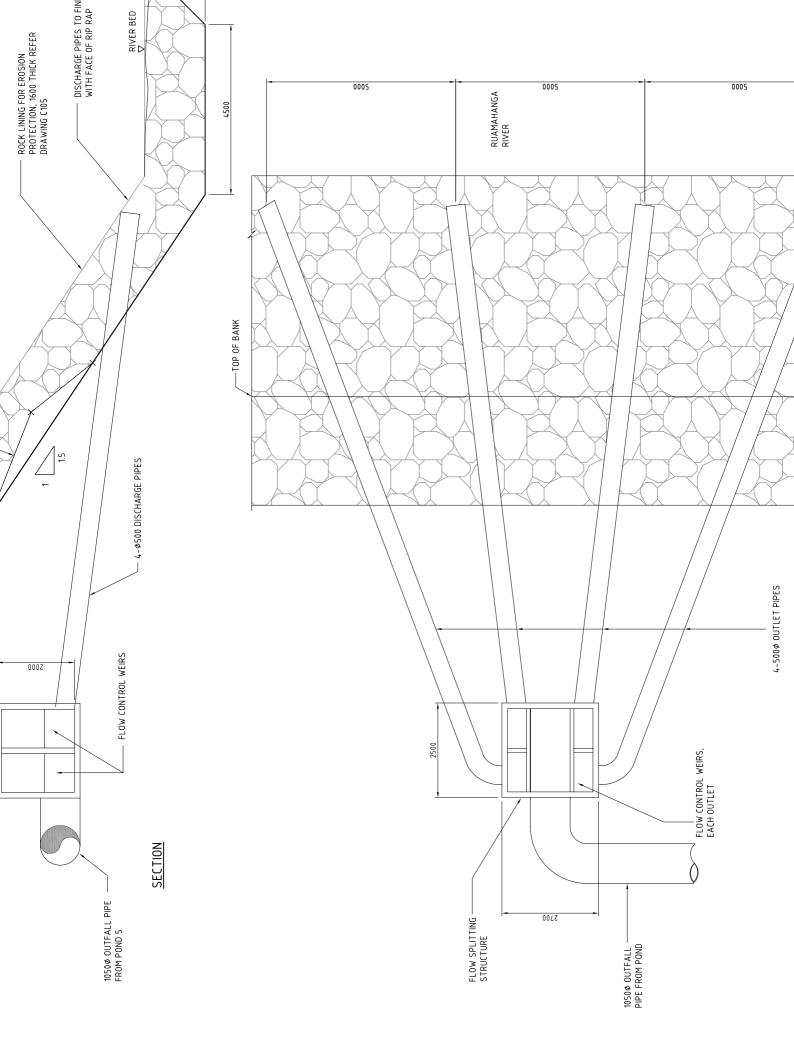


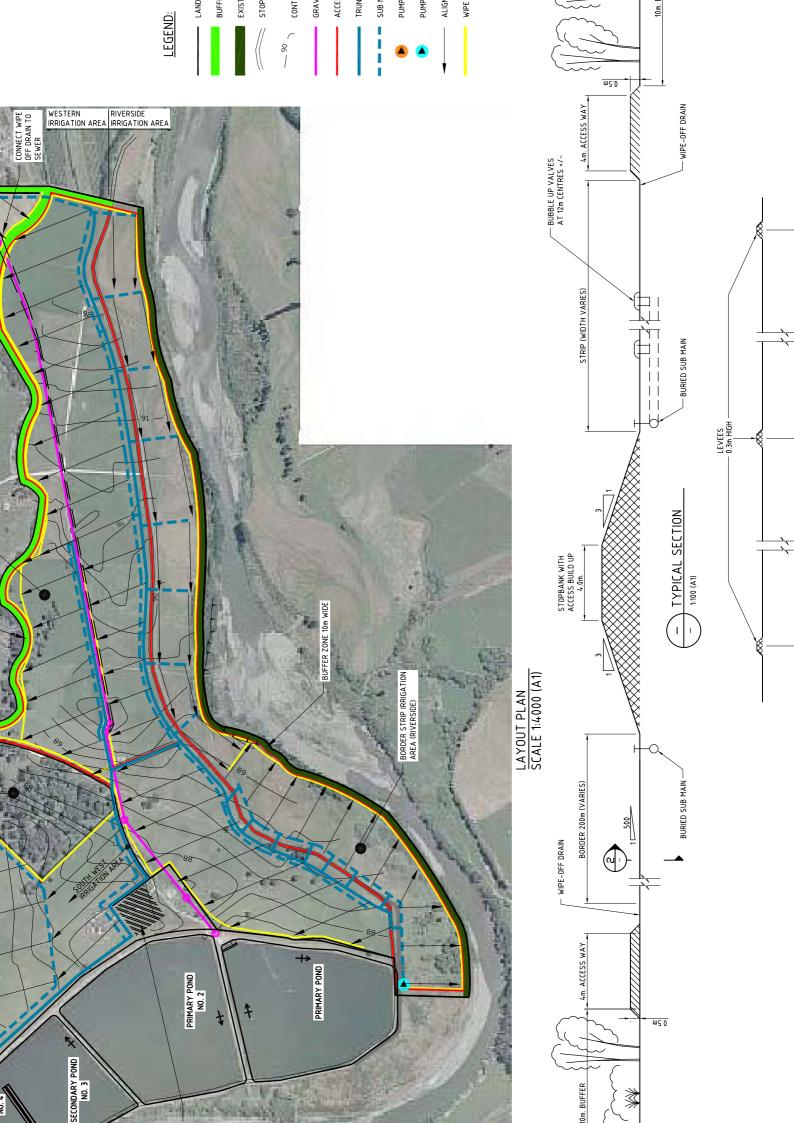
C104 1:25













š Appendix E

Gazette Notice & Certificates of Title





View Statutory Action

ParcelPart Lot 5 Deposited Plan 2412Current Purpose Drainage Works

Parcel Status Current

Statutory Ac	tion	Type	Recorded	Action	Status
New Zealand	Gazette 1908 p 1694	Gazette Notice	17/06/2001	Create	Current
Statute Purpose Name Comments	Drainage Works				

*** End of Report ***

1694

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 [No. 47]

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[No. 47

Descence. Discretions and of the Chairman, Consolion, and Intubliants of the Constr. of Raugillari was hormanic affield on the tilt, day of Jaan, 100, in the processo d.– Bannon B., Bernerstern, County Unit, Martin,

Special Order made by the Archo Boal Burd.

The Treasury, Wellington, 15th June, 1000, THE following spaced order, made by the Arthun Jund Board, is published in corrections with the provisions of "The Lond Rodne Longe Art, 1901." J. G. WARD, Minuter of Floaters.

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D. Moura, Clerk.



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Identifier	WN11B/301
Land Registration District	Wellington
Date Issued	19 March 1973

Prior References

WN10B/132

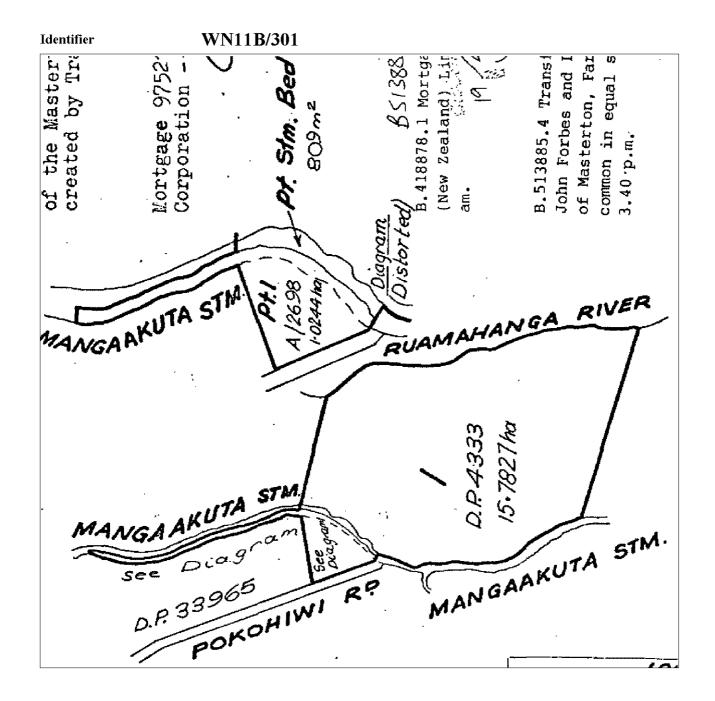
Estate	Fee Simple
Area	16.8880 hectares more or less
Legal Description	Lot 1 Deposited Plan 4333 and Part Lot 1 Application Plan 2698

Proprietors

Masterton District Council

Interests

Subject to drainage rights (in gross) over part in favour of The Masterton Borough Council created by Transfer 130241(affects Lot 1 DP 4333)





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Part-Cancelled

IdentifierWN48B/596Land Registration DistrictWellingtonDate Issued19 July 1996

Prior References

WN400/88

Estate	Fee Simple
Area	45.9862 hectares more or less
Legal Description	Part Lot 1-3 Deposited Plan 9928

Proprietors

Masterton District Council

Interests

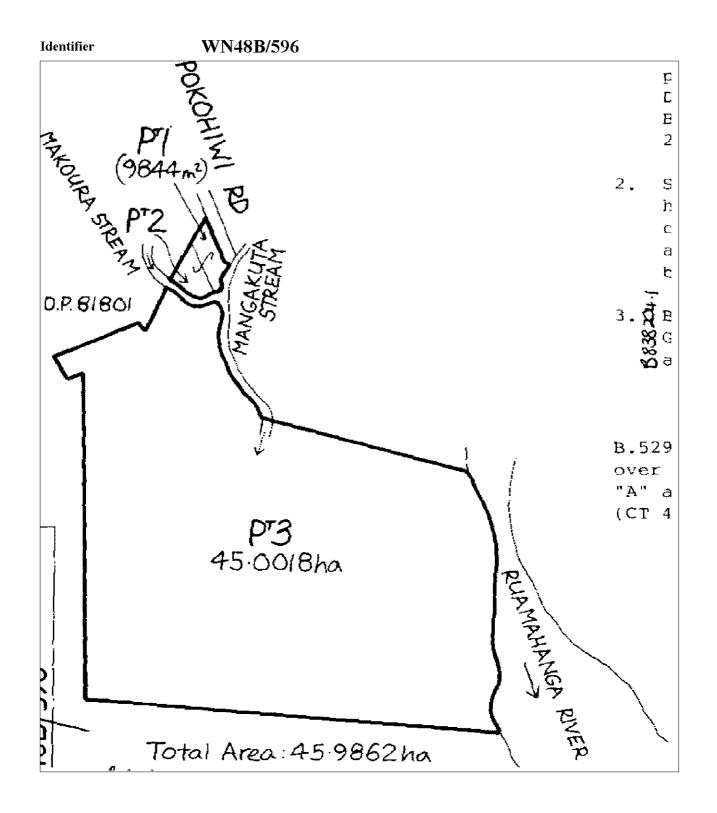
Subject to a right of way over parts coloured blue and yellow on DP 24225 created by Transfer 607802

Subject to a right of way over part marked A on DP 9928 created by Transfer B529540.4 - 19.7.1996 at 9.05 am (affects Lot 2 on DP 9928)

7239211.6 Transfer of Lot 2 DP 351720 to Homebush Dairying Company Limited - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

7239211.9 CTs issued - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Legal Description	Title
Lot 1 Deposited Plan 351720	212321
Lot 2 Deposited Plan 351720	212322





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Identifier212321Land Registration DistrictWellingtonDate Issued24 April 2007

Prior References

WN48B/596

Estate	Fee Simple
Area	22.4334 hectares more or less
Legal Description	Lot 1 Deposited Plan 351720

Proprietors

Masterton District Council

Interests

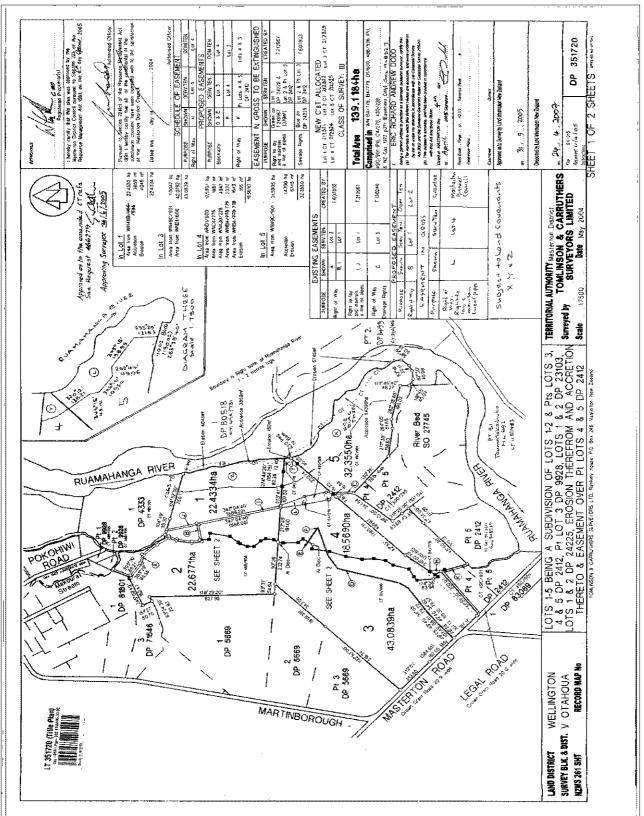
Subject to a right (in gross) to lay and maintain pipelines over parts marked B and I on DP 351720 in favour of the Masterton Borough Council created by Transfer 213967

Subject to a right of way over parts marked B and I on DP 351720 created by Transfer 607802

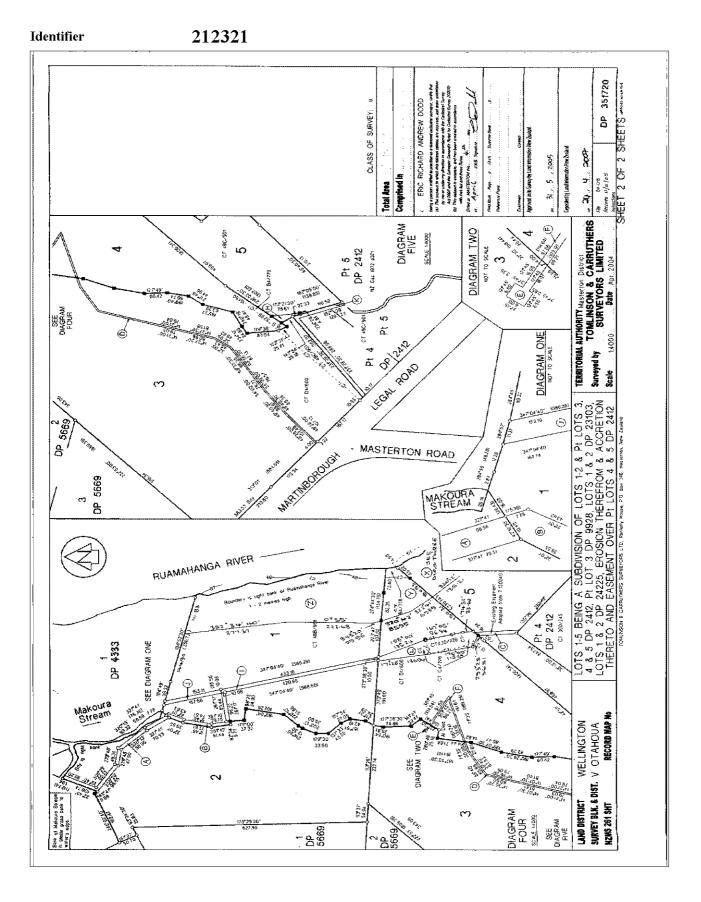
7239211.4 Consent Notice pursuant to Section 221 Resource Management Act 1991 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Subject to a right of way over part marked B on DP 351720 created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Appurtenant hereto is a right to convey water created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am



212321





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Identifier	212324
Land Registration District	Wellington
Date Issued	24 April 2007

Prior References WN430/228 WNB4/779	WN49C/901 WNC4/276	WNB4/ 77 8 WND1/600	
Estate	Fee Simple		
Area	18.5690 hectares more o	r less	
Legal Description	Lot 4 Deposited Plan 35	1720	
Proprietors			

Masterton District Council

Interests

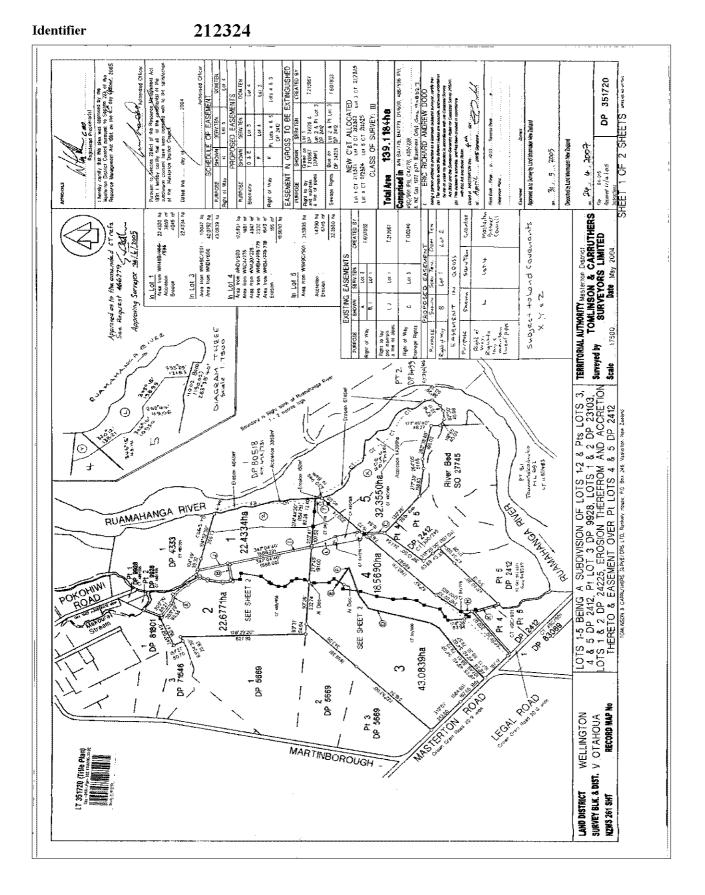
Appurtenant hereto is a right of way created by Transfer 607802 - 30.9.1964 at 12.11 pm (Affects part formerly in CT WNC4/276)

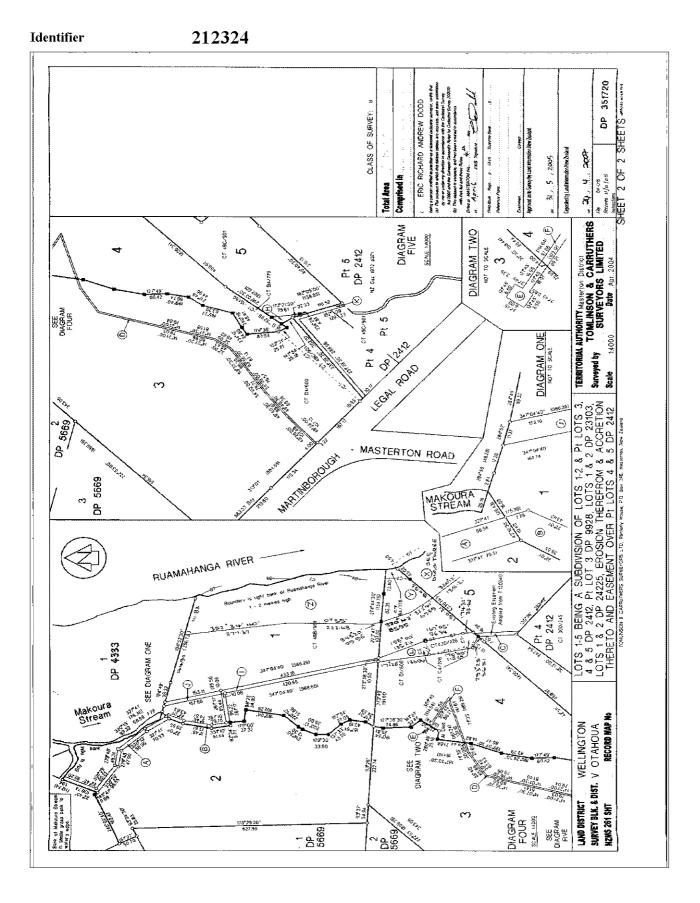
7239211.4 Consent Notice pursuant to Section 221 Resource Management Act 1991 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Subject to a right to convey electricity over part marked F and a right of way, right to to lay and maintain line of pipes (in gross) over part marked L on DP 351720 in favour of Masterton District Council created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Appurtenant hereto is a right of way and rights to convey electricity and water created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

The right of way over part marked H created by Easement Instrument 7239211.10 is subject to Section 243 (a) Resource Management Act 1991







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Identifier212325Land Registration DistrictWellingtonDate Issued24 April 2007

Prior References

WN49C/901

EstateFee SimpleArea32.3550 hectares more or lessLegal DescriptionLot 5 Deposited Plan 351720

Proprietors

Masterton District Council

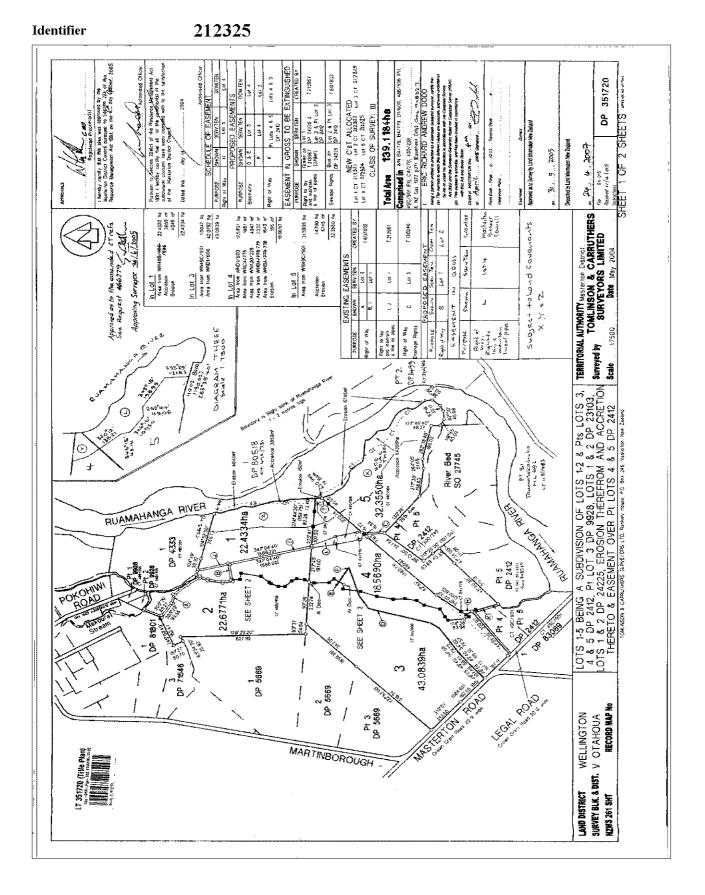
Interests

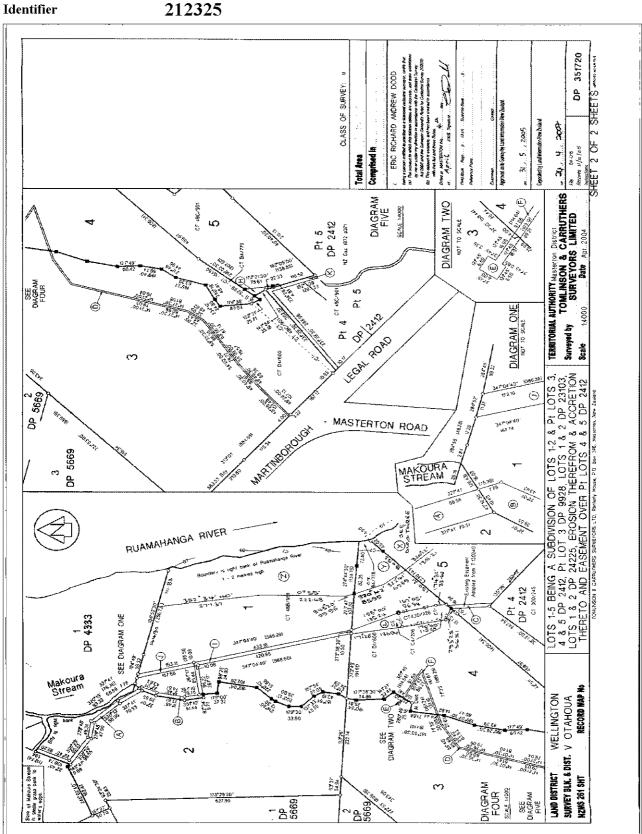
Subject to rights of way and rights of drainage (in gross) over part marked C on DP 351720 in favour of The Masterton Borough Council created by Transfer and Grant of Easement 130240

Subject to a right of way over part marked H on DP 351720 created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Appurtenant hereto is a right of way and a right to convey water created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

The right of way over part marked H created by Easement Instrument 7239211.10 is subject to Section 243 (a) Resource Management Act 1991







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Part-Cancelled

IdentifierWN291/82Land Registration DistrictWellingtonDate Issued13 June 1922

Prior References

WN289/190

EstateFee SimpleArea13.1852 hectares more or lessLegal DescriptionLot 3 Deposited Plan 5669

Proprietors

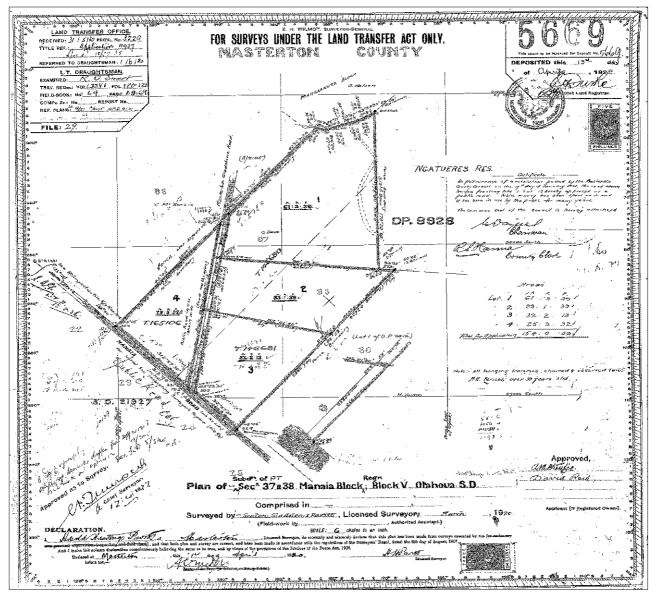
Homebush Dairying Company Limited

Interests

2537 Proclamation proclaiming as road the part coloured red on the plan hereon - 18.2.1937 at 10.00 am 5076219.2 Mortgage to The National Bank of New Zealand Limited - 29.8.2001 at 9:00 am

Identifier

WN291/82





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Identifier212322Land Registration DistrictWellingtonDate Issued24 April 2007

Prior References

WN48B/596

EstateFee SimpleArea22.6771 hectares more or lessLegal DescriptionLot 2 Deposited Plan 351720

Proprietors

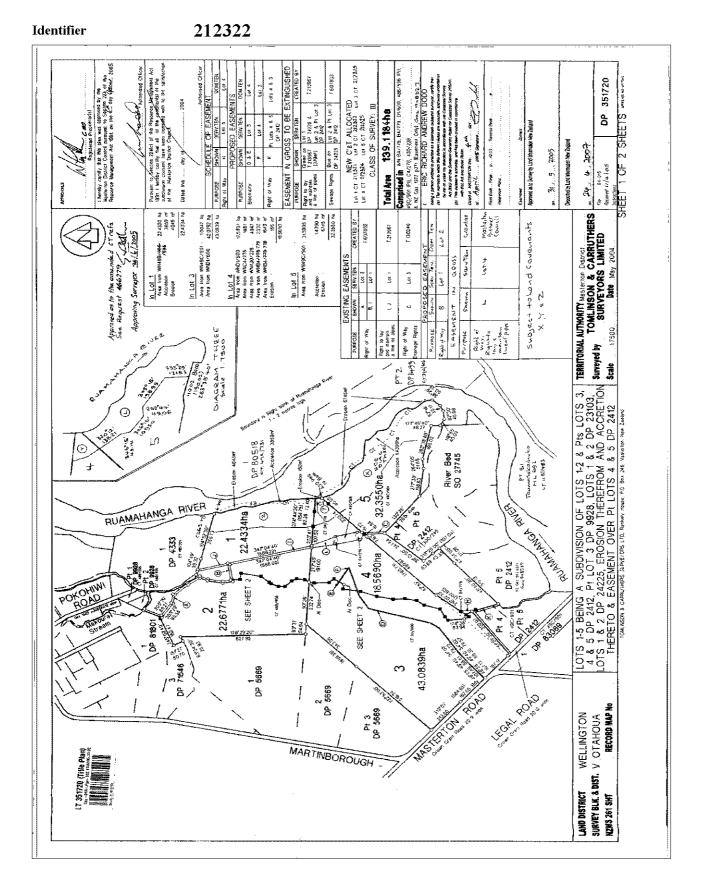
Homebush Dairying Company Limited

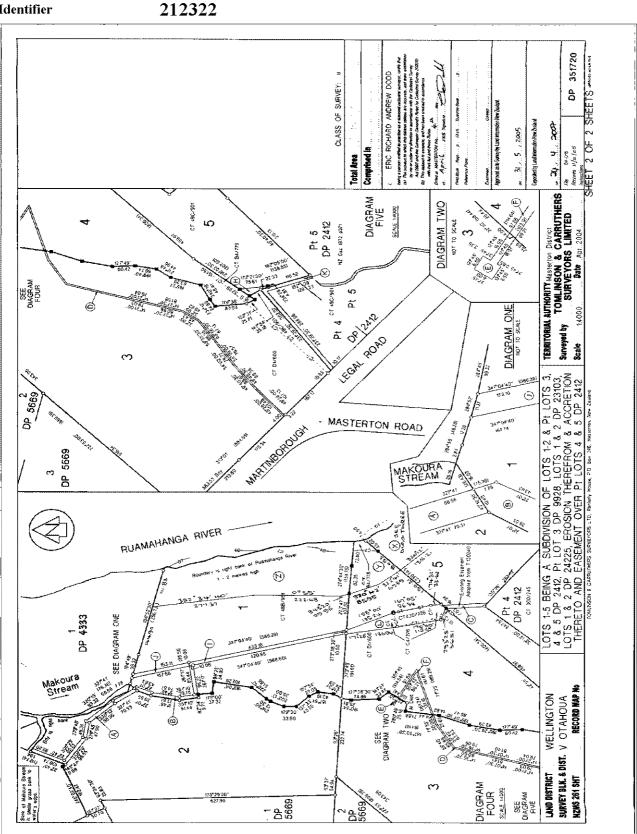
Interests

Subject to a right of way over part marked A on DP 351720 created by Transfer 607802

7239211.4 Consent Notice pursuant to Section 221 Resource Management Act 1991 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Appurtenant hereto is a right of way created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am







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Identifier	212323
Land Registration District	Wellington
Date Issued	24 April 2007

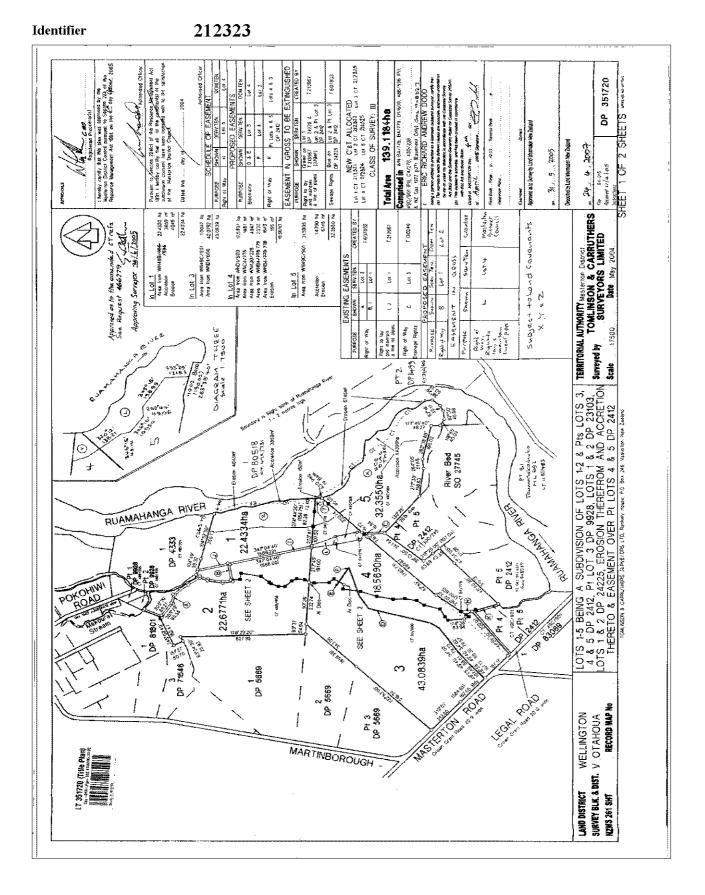
Prior References WN49C/901	WND1/600
Estate	Fee Simple
Area	43.0839 hectares more or less
Legal Description	Lot 3 Deposited Plan 351720
Proprietors	
Homebush Dairying	g Company Limited

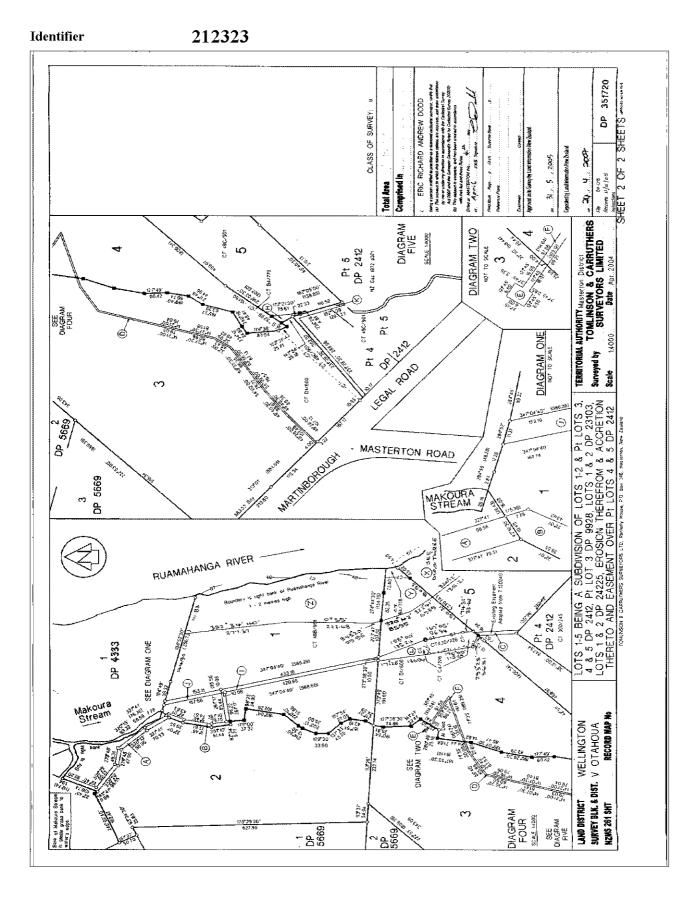
Interests

7239211.4 Consent Notice pursuant to Section 221 Resource Management Act 1991 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am

Subject to rights to convey electricity over parts marked D and E and a right to convey water over part marked E on DP 351720 created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am/

Appurtenant hereto is a right to convey electricity created by Easement Instrument 7239211.10 - produced 19.2.2007 at 9.00 am and entered 24.4.2007 at 9.00 am





3202216/410

Client Reference



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Identifier240139Land Registration DistrictWellingtonDate Issued23 November 2005

Prior References

WN43A/110

EstateFee SimpleArea21.5484 hectares more or lessLegal DescriptionLot 1 Deposited Plan 358970

Proprietors

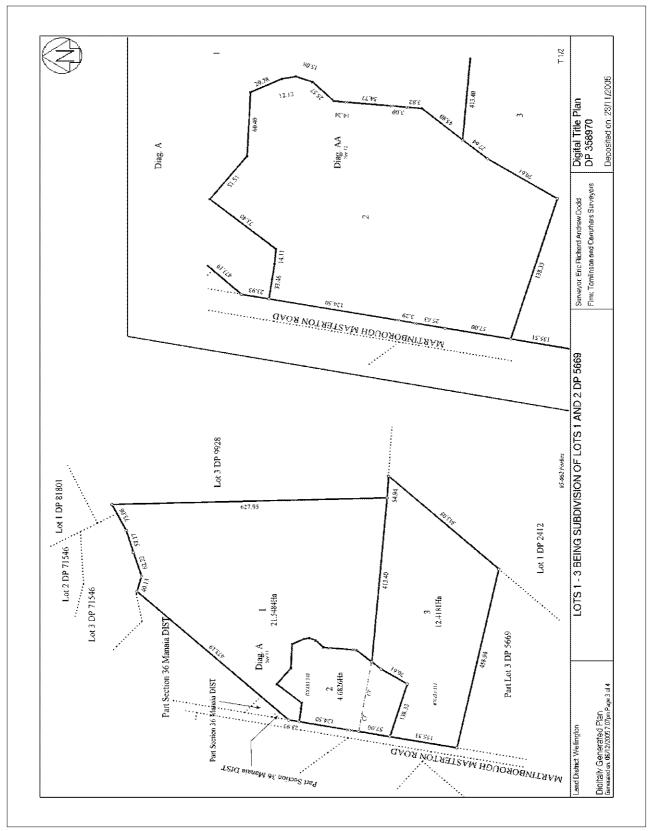
Homebush Dairying Company Limited

Interests

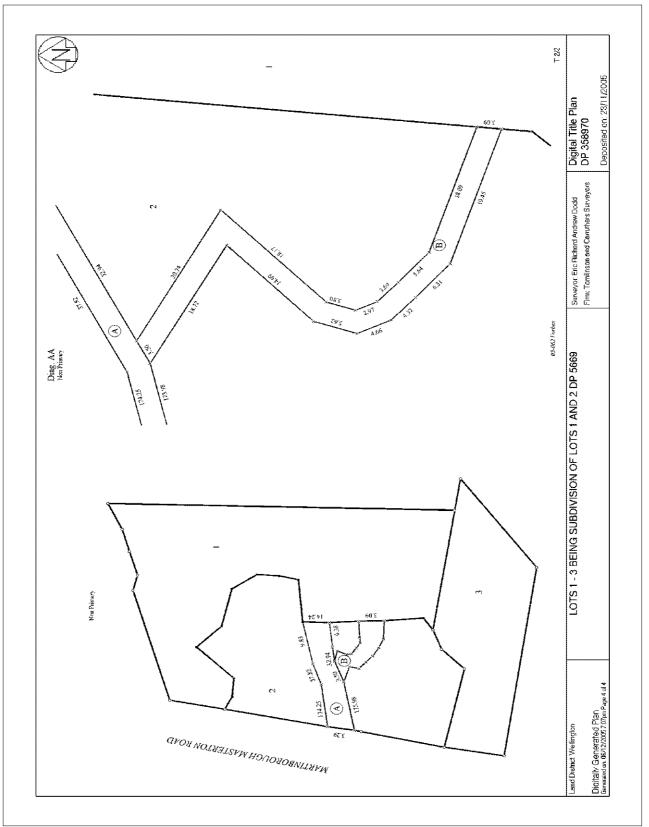
5076219.2 Mortgage to The National Bank of New Zealand Limited - 29.8.2001 at 9:00 am

Appurtenant hereto is a right to supply water, electricity & telecommunications created by Easement Instrument 6660327.3 - 23.11.2005 at 9:00 am











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Identifier240141Land Registration DistrictWellingtonDate Issued23 November 2005

Prior References

WN43A/111

EstateFee SimpleArea12.4181 hectares more or lessLegal DescriptionLot 3 Deposited Plan 358970

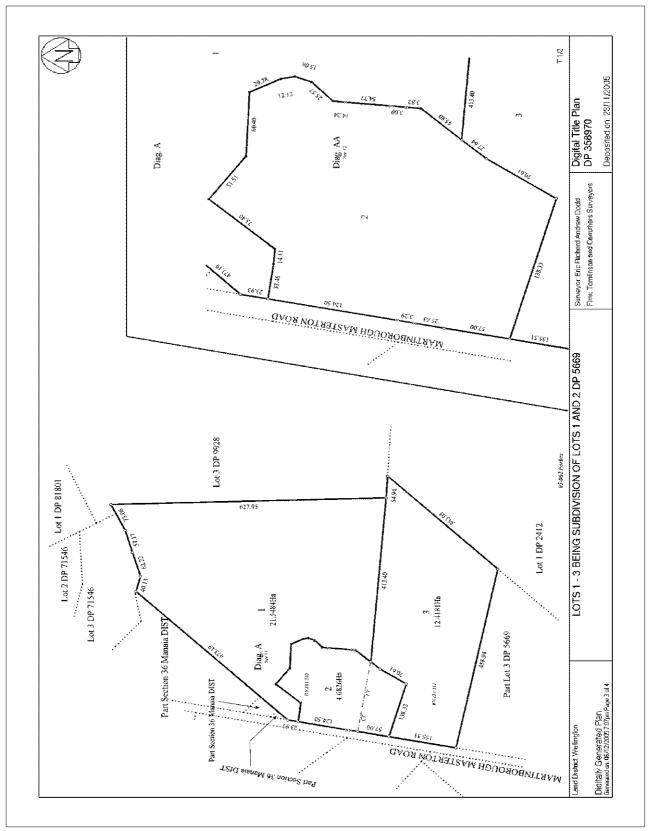
Proprietors

Homebush Dairying Company Limited

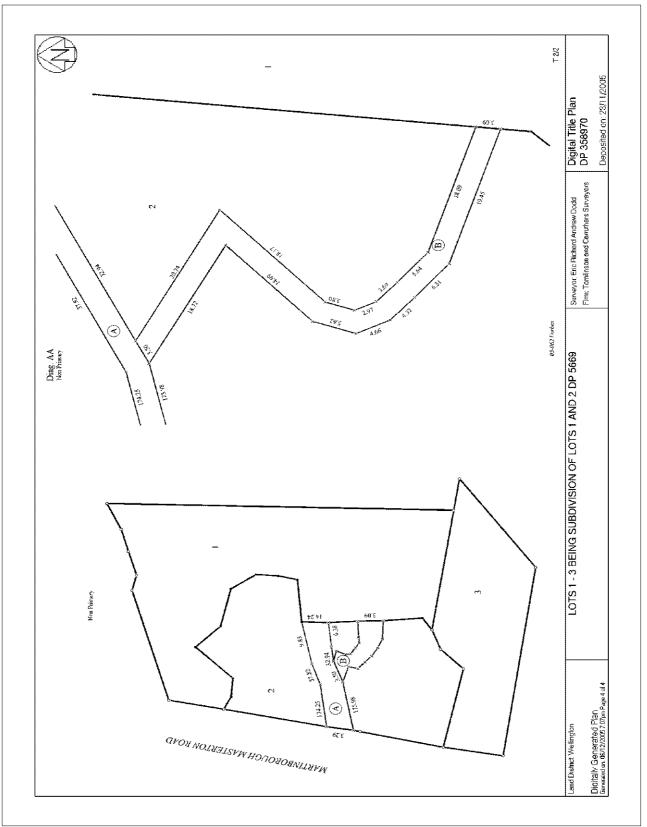
Interests

5076219.2 Mortgage to The National Bank of New Zealand Limited - 29.8.2001 at 9:00 am











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Identifier	WN300/245
Land Registration District	Wellington
Date Issued	05 May 1923

Prior References WN203/120

WNPROC 1129

EstateFee SimpleArea8.0196 hectares more or lessLegal DescriptionPart Lot 4-5 Deposited Plan 2412

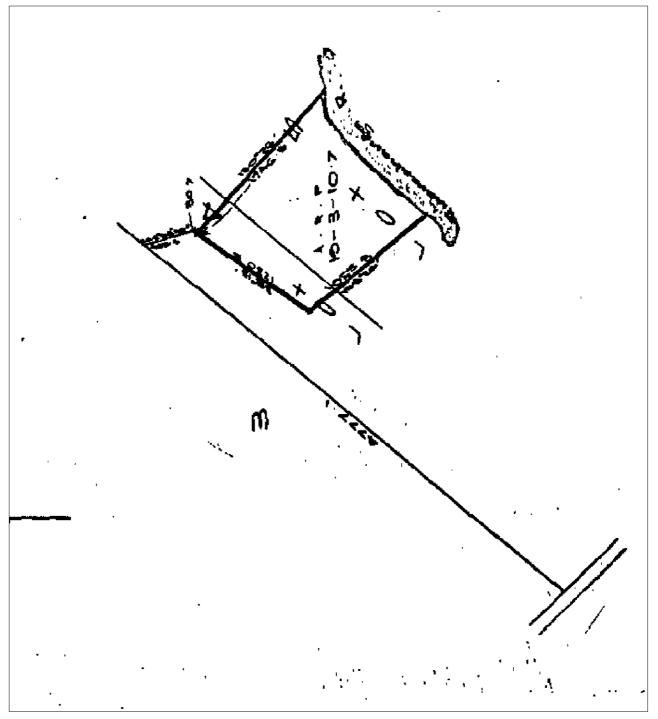
Proprietors

The Masterton Borough Council

Interests

Appurtenant hereto are drain pipe rights created by Transfer 130240







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IdentifierWN39A/506Land Registration DistrictWellingtonDate Issued26 March 1991

Prior References

WN138/116

EstateFee SimpleArea328.8228 hectares more or lessLegal DescriptionPart Lot 2 Deposited Plan 1499

Proprietors

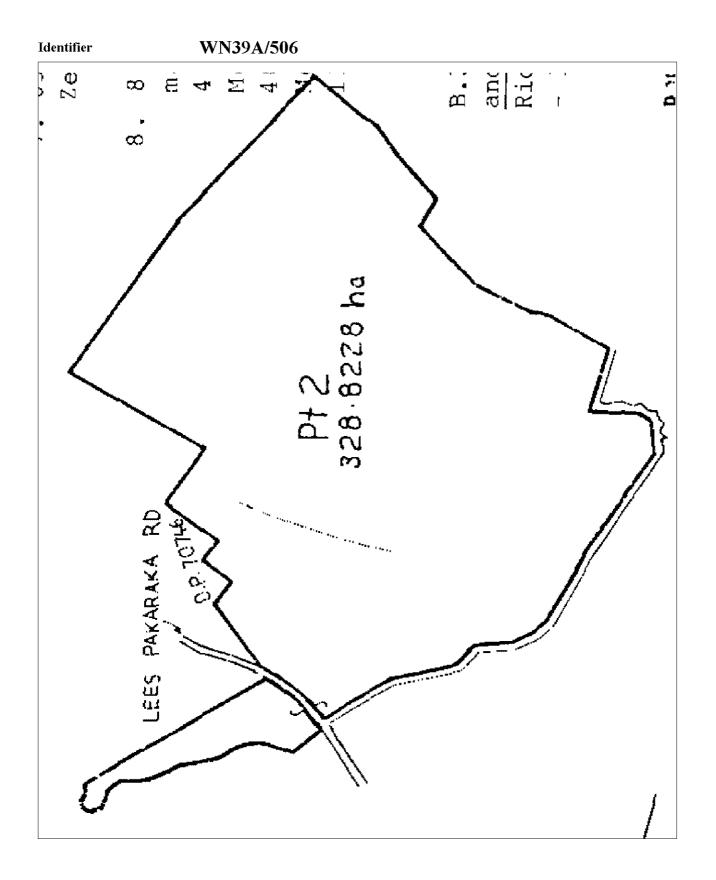
David Gordon Holmes as to a 1/2 share John Rex Griffith as to a 1/8 share John Rex Griffith and John Winston Gold as to a 1/8 share John Ross Griffith, Lynda Dorothy Wakeling and Andrew Phillip Vallance as to a 1/4 share

Interests

B420887.1 Open Space Covenant pursuant to Section 22 Queen Elizabeth The Second National Trusts Act 1977 - 28.2.1995 at 2.07 pm (affects part marked A, B and C on DP 79229)

B511322.1 Variation of Open Space Covenant B420887.1 - 3.4.1996 at 2.45 pm

Subject to a right to convey water over part marked E on DP 82346 created by Transfer B698493.1 - 15.12.1998 at 9.23 am Subject to a water supply right over part marked A on DP 87626 created by Transfer B773888.1 - 15.3.2000 at 3.31 pm 6875023.3 Mortgage to (now) Westpac New Zealand Limited - 23.5.2006 at 9:00 am





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Identifier	WN11B/1483
Land Registration District	Wellington
Date Issued	06 July 1973

Prior References

WN130/54

EstateFee SimpleArea13.8604 hectares more or lessLegal DescriptionLot 1 Deposited Plan 34654

Proprietors

Puke Te Limited

Interests

7233656.3 Mortgage to Bank of New Zealand - 2.3.2007 at 9:02 am

7258814.1 Mortgage to John Rex Wardell, Peter John Wardell, William Howard Predergast Knight and Roderick Arnold Oakly and to John Rex Wardell, Sadler Oakly Newman Trustees Limited and Peter John Wardell in shares - 2.3.2007 at 11:01 am



WN11B/1483

