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1. Introduction

This inventory identifies and describes (in general terms) all areas managed by the Department within the Canterbury Conservancy area as at 20 August 1997, and meets the requirements of section 17D(7) of the Conservation Act 1987. Volume 2 is part of the Canterbury Conservation Management Strategy and is to be read in conjunction with Volume 1, which presents the context, goals, objectives, implementation statements and priorities for all areas and natural and historic resources managed by the Department in the Canterbury Conservancy.

Table 1 summarises the 1293 units of land (excluding overlying status descriptions) managed by the Department in Canterbury (452,494 hectares). Table 2 summarises 2596 units of protected land, primarily reserves (36,480 hectares), which are managed by other agencies in Canterbury.

The inventory contains three schedules of information. Schedule 1 is an alphabetical list of land names provided to assist with the location of commonly known areas from both Schedules 2 and 3. Schedule 2 is a text description of 230 areas (managed by the Department), which are known to contain significant indigenous flora, fauna, geological or historic features. This schedule surveys features of note only. Many of the more widely dispersed fauna are not recorded. Schedule 3 lists the name and legal description of the remaining (1130) areas managed by the Department.

Following the Map Index are maps covering the Canterbury Conservancy. All areas listed in Schedules 1 and 2 are identified on these maps.

More specific information about each area can be obtained from the Conservancy Office where extensive records are held. Queries and additional information are welcomed on areas which have been included in this inventory. As additional information becomes available, the Department will continue to update this inventory. It is intended that all areas in Schedule I will have data recorded to a Schedule 2 standard by the year 2001.

The schedules do not include areas where management is carried out by other parties (See Table 2). Examples are where public land is vested in a council or a society, or where control and management are passed to a council or government department. Conservation Covenants are also not included.

As marginal strips are not well documented, strips established under section 58 Land Act 1948 and many moveable marginal strips created since 1989 are not included in the schedules.

2. Land Units

TABLE 1: LAND UNITS MANAGED BY THE DEPARTMENT IN CANTERBURY¹

NO OF UNITS	LEGAL DESCRIPTION	AREA (HA)
3	Conservation Park, Conservation Act 1987	160787.8103
*4	Ecological Area, Conservation Act 1987	8125.7920
18	Government Purpose Reserve, Reserves Act 1977	2159.3405
2	Government Purpose, Defence Area Reserves Act 1977	569.8668
19	Government Purpose, Education Purpose, Reserves Act 1977	43.4750
6	Government Purpose, Government Buildings, Reserves Act 1977	1.2449
2	Government Purpose, Lighthouse, Reserves Act 1977	63.5987
3	Government Purpose, Police Station, Reserves Act 1977	2.4053
3	Government Purpose, Post Office, Reserves Act 1977	1.1382
14	Government Purpose, Railway, Reserves Act 1977	271.7429
13	Government Purpose, Wildlife Management, Reserves Act 1977	13238.9851
9	Historic Reserve, Reserves Act 1977	6.9549
1	Local Purpose, Accessway, Reserves Act 1977	.0151
19	Local Purpose, Cemetery, Reserves Act 1977	47.5681
123	Local Purpose, Gravel Reserves Act 1977	198.2576
3	Local Purpose, Kindergarten, Reserves Act 1977	.3385
1	Local Purpose, Library, Reserves Act 1977	.1621
3	Local Purpose, Plantation, Reserves Act 1977	4.1327
3	Local Purpose, Road, Reserves Act 1977	3.0499
53	Local Purpose, Soil Conservation, Reserves Act 1977	1701.7782
4	Local Purpose, Utility, Reserves Act 1977	4.5040
323	Marginal Strip, Conservation Act 1987	2595.7600
2	National Park, National Parks Act 1980	154178.3811
1 ²	National Reserve, Reserves Act 1977	6031.5000
5	Nature Reserve, Reserves Act 1997	729.7795
97	Recreation Reserve, Reserves Act 1997	1005.3735
81	Scenic Reserve, Section 19(1)(a) Reserves Act 1977	13622.3954
10	Scientific Reserve, Reserves Act 1977	1502.6936
465	Section 62, Conservation Act 1987	47235.9198
7	To be allocated to and being managed by DOC	52263.3462
*2	Wild Animal Control Act, 1977 Recreational Hunting Area	64272.5000
*1	World Heritage Site, UNESCO World Heritage Convention	107652.000
1	Wildlife Sanctuary, Reserves Act 1977	254.8318
1293 Total		452494 Hectares

3. Protected Lands

TABLE 2: PROTECTED LANDS MANAGED BY OTHER AGENCIES IN CANTERBURY¹

NO OF UNITS	LEGAL DESCRIPTION	AREA (HA)
1	Easement in favour of DOC, Conservation Act 1987	8.0000
1	Leased Land, Conservation Act 1987	.1500
20	Conservation Covenant, Conservation Act 1987	509.7769
12	Government Purpose Reserve, Reserves Act 1977	94.5781
5	Government Purpose, Education Purpose, Reserves Act 1977	37.8536
1	Government Purpose, Government Buildings, Reserves Act 1977	.0495
1	Government Purpose, Police Station, Reserves Act 1977	.6910
1	Government Purpose, Post Office, Reserves Act 1977	.1517
4	Government Purpose, Railway, Reserves Act 1977	8.7774
5	Heritage Covenant, Historic Places Act 1980	.9343
14	Historic Reserves, Reserves Act 1977	39.1126
1	Local Purpose, County Buildings, Reserves Act 1977	2.7139
1	Local Purpose, Hospital Reserves Act 1977	4.1252
207	Local Purpose, Reserves Act 1977	1140.6540
63	Local Purpose, Accessway, Reserves Act 1977	1.2003
59	Local Purpose, Cemetery, Reserves Act 1977	158.8355
17	Local Purpose, Community Centre, Reserves Act 1977	6.5316
155	Local Purpose, Esplanade, Reserves Act 1977	120.2752
3	Local Purpose, Foreshore, Reserves Act 1977	1.2382
583	Local Purpose, Gravel, Reserves Act 1977	1269.8812
12	Local Purpose, Kindergarten, Reserves Act 1977	1.2540
29	Local Purpose, Landscape, Reserves Act 1977	5.3209
8	Local Purpose, Library, Reserves Act 1977	4.7064
167	Local Purpose, Plantation, Reserves Act 1977	3183.1458
9	Local Purpose, Plunket, Reserves Act 1977	.3323
90	Local Purpose, Road, Reserves Act 1977	11.2920
7	Local Purpose, Scout Hall, Reserves Act 1977	2.6010
190	Local Purpose, Soil Conservation, Reserves Act 1977	13246.9450
69	Local Purpose, Utility, Reserves Act 1977	27.6475
26	Open Space Covenant, Queen Elizabeth the Second National Trust 1977	735.4488
3	Proposed Acquisitions of Land, Being Negotiated	4871.6570
7	Protected Private Land, Reserves Act 1977	1016.3329
747	Recreation Reserve, Reserves Act 1977	5673.5148
25	Scenic Reserve, section 19(1)(a) Reserves Act 1977	553.2536

8	Wildlife Refuge, Wildlife Act 1953 (overlying status)	3553.4248
1	Wildlife Sanctuary, Wildlife Act 1953	76.8902
2	Walkway over Private and Conservation land, Walkways Act 1990	.000
13	Walkway over Private Land, Walkways Act 1990	.000
4	Walkways over Conservation Land, Walkways Act 1990	.000
2596 Total		36,514 Hectares

4. How to Use the Schedules

[NB. These instructions differ slightly from those in the published book version of the CMS, to allow for easier electronic access.]

A. IF YOU KNOW THE NAME OF AN AREA MANAGED BY THE DEPARTMENT:

1. Refer to Schedule 1 where you will find, in alphabetical order, the land unit number and the schedule in which it is described – either Schedule 2 (Detailed) or Schedule 3 (Remaining Areas).
2. The land unit number is in two parts, e.g. G38 002 – G38 is the map number, 002 is the DOC land unit identifier number;
3. Look at the text description of the area by looking up the land unit number in the relevant schedule. (Both Schedules 2 and 3 are ordered by land unit number);
4. Look at the map which shows the location of the area by looking up the map index number which has the first three characters as the land unit number, e.g. H38; then
5. Locate the DOC land unit identifier number on the appropriate map.

B. IF YOU DO NOT KNOW THE NAME OF AN AREA MANAGED BY THE DEPARTMENT THEN:

1. Refer to the Map Index and locate the map number that you wish to look at, e.g. G38;
2. Next, locate the area on the map and note its land unit number;
3. Refer to the map key to find out if it has a full description in Schedule 2.

C. IF YOU WISH TO FIND A LAND UNIT ON AN NZMS 260 SERIES* MAP

The grid reference is to be found within the land unit description in Schedule 2 or 3.

Note that fourteen numeral references are given, in two sets of seven. Within each seven, three numerals are in bold; these are the grid reference numbers needed to locate the area on NZMS 260 series maps. The other numbers, not in bold, provide the full reference for locating the area using the national G.I.S. database.

Note. From about early 2003 the land unit and map information will be available in updated form on the Department's web address www.doc.govt.nz. The current CMS land unit and map information will progressively become dated and the web address information should be used by preference.

* The New Zealand wide 1:50,000 topographic maps

5. Schedule Key

5.1 SCHEDULE 1

Description	Common name of protected area.
Land Unit:	Conservancy land unit number (e.g. H37007) which consists of a prefix from NZ 260 Map No (e.g. G38), then the DOC land unit number (e.g. 002). Description: the numbers are not in complete sequence as some numbers have been used for protected land not managed by DOC.
CMS Map Sheet #	Map sheet the unit is within
Described in Schedule Two	Yes or No.

5.2 SCHEDULE 2

Land Unit:	Conservancy land unit number (see Schedule 1Key)
Name:	Gazetted or common name
Legal Status:	Statutory category under relevant legislation
Reserve Classified	If it is a reserve under the Reserves Act 1977, whether it has been classified or not, the classification is in the legal status.
Grid Reference:	East/north as on NZMS 260 maps
Legal Description	Legal description of the land unit as held by Land Information New Zealand
Survey Block and District:	Block and district in which the legal units are situated.
CMS Map #:	Map sheet the unit is within
Area:	Area of land unit in hectares.
Ecological District:	Ecological district (from Protected Natural Areas Programme) within which the unit is situated.
Area Office:	The Canterbury Conservancy Area Office from which the unit is managed.
District Council:	The district council(s) area within which the unit is situated.

5.3 SCHEDULE 3

Land Unit:	See Schedule 1 Key
Description:	Type of protected area, includes gazetted or common name where available.
Area:	Area of land unit in hectares
Legal Status:	Statutory category under relevant legislation.
Legal Description:	Legal description of the land unit as held by Land Information New Zealand
Survey Block and District:	Block and district in which the legal units are situated.
NZ Grid Reference:	East/north as on NZMS 260 maps, using the six numeral number in bold in the Schedule 2 records.
Place:	Place section in CMS Volume 1
CMS Map Sheet #	Map sheet the unit is within

6. Schedule 1

ALPHABETICAL INDEX OF NAMES FOR LAND UNITS MANAGED BY THE DEPARTMENT

DESCRIPTION SCRIBED IN SCHEDULE TWO?	LAND UNIT	CMS MAP SHEET #	DE-
Adderley Head Scenic Reserve	N36005	9	Y
Ahuriri Forest	G38001	10	Y
Akaroa Head Scenic Reserve	N37018	9	Y
Alford Foreset (Mt Somers Block)	K36024	7	Y
Alford Forest (Woolshed Creek Block)	K36012	7	Y
Alford Scenic Reserve	K36007	7	Y
Amberley Beach Recreation Reserve	N34029	5	N
Aoraki/Mount Cook National Park	H36001	6	Y
Argyle Park	K37084	12	N
Armstrong Scenic Reserve	N37011	9	Y
Arthur's Pass Township	K33003	3	N
Arthur's Pass Township Conservation Area	K33013	3	N
Arthur's Pass National Park	K33011	3	Y
Arthur's Pass Village Conservation Areas	K33001, 009	3	N
Ashley Forest	M34017	4	Y
Ashley/Rakahuri Riverbed (Part)	M34030	4	Y
Balmoral Lookout	N33046	5	Y
Balmoral Picnic Area	N33051	5	N
Bankside Scientific Reserve	L36193	8	Y
Bealey Spur Conservation Area	K34012, K34013	3	Y
Ben Omar Swamp	H39095,096	13	Y
Bendhu Scientific Reserve	H39017	13	Y
Birch Hill Flat	H37018	10	Y
Blandswood Marginal Strip	J37099	11	Y
Boundary Creek Scenic Reserve	N33039, 041	5	Y
Broken River Forest	L34017	4	Y
Brooklands Waterski Club?	M35074	8	N
Burke Pass Scenic Reserve	I38011	11	Y
Burnham Domain	M36048	8	N
Burnham Military Camp	M36042	8	N
Cabbage Tree Island Waiau River	N32052	2	N
Cairn of Peace	M36057	8	N
Cape Three Points	N37010	9	N
Carews Peak Scenic Reserve	N37009	9	Y
Cashmere and Valley Roads Recreation Reserve	M36284	8	N
Cass River Delta Conservation Area	I37005	11	Y
Cattle Creek Recreation Reserve	I39002	14	N
Cave Stream Scenic Reserve	K34028	3	Y
Central Southern Alps and Wilberforce Conservation Area (Part)	K34001	3	Y
Chapmans Creek Beech Forest, Mt Somers	K36020	7	Y
Cheddar Valley Farm Settlement (Part)	N32079	2	N
Cheviot Council Buildings	O33031	5	N

Cheviot Police Station	O33028	5	N
Cheviot Section	O33013	5	N
Clyde Forest	I35004	6	Y
Coal Mine	J38092	11	N
Conway Village Conservation Area	O32016	2	N
Coonoor Road Workshop	J39136	14	N
Corner Knob and Goldney Hill	K34017	3	Y
Cotons Cob Cottage Historic	L35185	8	N
Coutts Island Wildlife Sanctuary	M35059	8	N
Craigieburn Conservation Park	K34002	3	Y
Cranky Tom Scenic Reserve	N33040	5	Y
Cruickshanks Pond Wildlife Management Reserve	J40033	14	Y
Culverden Scientific Reserve	N33010	5	Y
Curries Road Recreation Reserve	M36318	8	N
Dan Rogers Creek Nature Reserve	N37017	9	Y
Devils Gap Scenic Reserve	N37008	9	Y
Digby Park	K37172	12	N
Dobson Forest	H37007	10	Y
DOC Base Akaroa	N36080	9	N
Domett Recreation Reserve	N3027, 029, 030	5	N
Dorrie Recreation Reserve	L37034, 036	12	N
Dr Sinclair's Grave Reserve, Upper Rangitata	J36006	7	Y
Dusky Run Conservation Area	H38031	10	Y
Duvauchelle Recreation Reserve (Part)	N36093	9	N
Ellangowan Scenic Reserve	N36047	9	Y
Ellesmere Recreation Reserve	M36197, 212 L36113, 206 L37025, 026	8,12	N
Enys Scientific Reserve	K34029	3	Y
Erewhon Terrace Recreation Reserve	M36328	8	N
Eyrewell Scientific Reserve	M36328	8	N
Ferintosh Retirement Area	H37017	10	Y
Fishermans Bend Recreation Reserve	I40054	14	N
Four Peaks Range Tops (Part)	J37007	11	Y
Friedlander Park	L37082	12	N
Garden Island-Waiiau River	N32051	2	N
German Creek Wildlife Management Reserve	J38124	11	Y
Ghost Stream Beech Forest, Mt Somers	K36021	7	Y
Glenralloch Scenic Reserve	N36020	9	Y
Godley Head Farm Park	N36001, 002, 019	9	Y
Godley Riverbed Conservation Area (true right of lower river)	I36005	6	Y
Gore Bay Scenic Reserve	M36080	8	N
Governors Bay Scenic Reserve (Part)	M36080	8	N
Green Street Recreation Reserve	K37007	12	N
Greendale Cemetery	L36024	8	N
Greendale Recreation Reserve	L36028, 029	8	N
Gunns Bush	J40003	14	Y
Hae Hae Te Moana Scenic Reserve	J37074	11	Y
Haldon Camping Area	H39003	13	Y
Hammond Point Recreation Reserve	N36085	9	N
Hanmer Cemetery Reserve	N32032	2	N

Hanmer Conservation Park	M32007	1	Y
Hanmer Visitor Centre	N32030	2	N
Harts Creek Wildlife Management Reserve	M36190, 502, 503	8	Y
Havelock Forest	I35006	6	Y
Hawdon Flats (adjacent Arthur's Park National Park)	K33012	3	Y
Hay Scenic Reserve	N36025	9	Y
Heathcote Recreation Reserve	M36396	8	N
Hoods Bush Scenic Reserve	L35140	8	Y
Hook Bush	J40002	14	Y
Hopkins Forest	H37008, 014	10	Y
Hornby Recreation Reserve	M35718	8	N
Horomaka Island Recreation Reserve	N36007	9	Y
Hororata Recreation Reserve	L35178	8	N
Hossack Crown Land Management Area	N31001, 002	2	Y
Hunter Native Forest Scenic Reserve	M36463	8	Y
Hunter Hills Conservation Area (Waihao River North Branch)	J39134	14	Y
Huxley Forest	H37009	10	Y
Jeanie Collier Grave Site	J39115	14	Y
Jollies Pass Scenic Reserve	N32001	2	Y
Kaiapoi Recreation Reserve	M35183	9	Y
Kaitorete Spit Conservation Area	M37031	9	Y
Kaitorete Spit Scientific Reserve and Conservation Area (includes Lake Ellesmere and Birdlings Flat Marginal Strips)	M37011, 009, 012, 014, 023, 024, 026, 027, 028, 029, 030	9	Y
Kaituna Spur Scenic Reserve	N36031	8	Y
Kaituna Valley Scenic Reserve	M36031	9	Y
Kapuatohe Historic	M35446	8	N
Kelceys Bush	J40004	14	Y
King Billy Island Scenic Reserve	M36088	8	Y
Kirkliston Range Conservation Area	I39004	14	Y
Knottingley Park Recreation Reserve	J40022	14	N
Kongutu Recreation Reserve	L37070	12	N
Kowai Forest	K35013	7	Y
Kura Tawhiti Conservation Area	K34032	3	Y
Kurow Cemetery	I40005	14	N
Kurow Scenic Reserve	I40031	14	N
Lake Alexandrina Scenic Reserve	I37008	11	Y
Lake Camp Recreation Reserve	J36017	7	Y
Lake Ellesmere/Te Waihora (Part)	M36181	8	Y
Lake Ellesmere/Te Waihora (Part)	M36502	8	N
Lake Grasmere Scenic Reserve	L34001	4	Y
Lake Grasmere Recreation Reserve and Wildlife Refuge	L34002	4	Y
Lake Guyon Scenic Reserve	M31003	1	Y
Lake Heron Nature Reserve and Wildlife Refuge	J35006	7	Y
Lake Ida	K34026	3	Y
Lake Lyndon Marginal Strip	K35049	7	Y
Lake Pukaki Terminal Moraine Conservation Area	H38009	10	Y
Lakeside Wildlife Management Reserve	N36192	8	Y
Lake Sumner Conservation Area (Lakehead Marginal Strips)	L32007	1	Y
Lake Sumner Forest Park	L32001	1	Y
Lake Taylor Marginal Strip	L33020, 003	4	Y

Lake Tekapo Scientific Reserve	I37050	11	Y
Lake Tennyson Scenic Reserve	M31002	1	Y
Lance McCaskill Nature Reserve	K34031	3	Y
Lawrence Forest	J35004	7	Y
Leithfield Domain	N34040	5	N
Lewis Pass Scenic Reserve (national reserve)	M31004, 005, 009	1	Y
Lincoln Domain	M36105	8	N
Lincoln Park	M36104	8	N
Lindis Pass Scenic Reserve	G40001	13	Y
Little Akaloa Scenic Reserve	N36010	9	Y
Loch Katrine Recreation Reserve	L32008	1	Y
Lochiel Run (Part)	M32011	1	Y
Lochinvar Forest	L33008	4	Y
Long Bay Scenic Reserve	N37016	9	Y
Lords Bush Scenic Reserve	L35243	8	Y
Lottery Bush Scenic Reserve	N32038, 045	2	Y
Lower Ahuriri Riverbed Conservation Area	H39021, 023, 025, 026	13	Y
Lower Doubtful and Boyle River Conservation Area	H39021, 023, 025, 026	1	Y
Lower Rangitata River Channels	K38004	12	Y
Lower Selwyn Huts	M36473	8	N
Lower Waitaki Riverbed	I40046, 051	14	Y
Lower Waitaki Riverbed Conservation Area	I40001, 006, 007, 009, 010, 032	14	Y
Lyttelton (R101) Reserve	M36422, 477	8	Y
Lyttelton Scenic Reserve (Part)	M36477	8	N
Maitland	H38032	10	N
Magnet Bay Scenic Reserve	N37007	9	Y
Manuka Bay	O33058	5	Y
Maori Lakes Nature Reserve	J36002	7	Y
Maronan Recreation Reserve	K37132	12	N
Matata Scenic Reserve	J39084	14	Y
Mathias Ecological Area	J34002	3	N
McQueens Lagoon	M36148, 149, 150	8	Y
Mesopotamia Conservation Area	I36006	6	Y
Micks Lagoon Wildlife Reserve (Proposed)	I37057	11	Y
Milford Lagoon (Part)	K38127	12	N
Milford Lagoon and Lower Orakipaoa Creek	K38113	12	Y
Monavale Historic Reserve	J38133	11	Y
Montgomery Park Scenic Reserve	N36115	9	Y
Morice Settlement Scenic Reserve	N36016	9	Y
Morven Recreation Reserve (Part)	J40051, 060, 063	14	N
Motukarara Nursery	M36152	8	N
Motunau Island Nature Reserve	N34020	5	Y
Motunau Beach Conservation Area	N34010	5	Y
Mt Ararat Rata Reserve	N34004	5	Y
Mt Dobson Conservation Area	I37022	11	Y
Mt Dobson Ski Field	I37014	11	N
Mt Fitzgerald Scenic Reserve	N36015	9	Y
Mt Gerald Two Thumb Conservation Area	I36007	6	Y
Mt Herbert Scenic Reserve	N36030	9	Y

Mt Hutt Forest	K35054	7	Y
Mt Ida Conservation Area	H41001	13	Y
Mt Nimrod Scenic Reserve	J39087	14	Y
Mt Pearce Scenic Reserve	N36142	9	Y
Mt White Conservation Area	L33022	4	Y
Mt Sinclair Scenic Reserve	N36017, 021	9	Y
Mt Thomas Forest	L34038	4	Y
Napenape Scenic Reserve	N33044	5	Y
Nina - Doubtful Rivers Conservation Area	J39131	14	Y
Normanby Wetland Conservation Area	J39131	14	Y
North Mathias to Rolleston Range Conservation Area	J34001	3	Y
North Waihao Bush	J40012	14	Y
North Waihao River Marginal Strips	J40092, 091, 093, 094	14	Y
Ohau Conservation Area (Freehold Creek)	H38033	10	Y
Ohau Conservation Area (Hopkins/Huxley)	H37010	10	Y
Ohau Conservation Area (Ohau Range)	H38016, 017	10	Y
Ohau Conservation Area (Temple)	H38035	10	Y
Ohau Conservation Area (Upper Maitland)	H38032	10	Y
Ohau River Bridge and Pond	H38023	10	N
Ohau Ski Run	H38017	10	Y
Ohau Terminal Moraine Scenic Reserve	H38021	10	Y
Okuti Valley Scenic Reserve	N36139	9	Y
Omihi Recreation Reserve	N34001	5	N
Orari Gorge Scenic Reserve	J37039	11	Y
Otaio Beach Walkway (Part)	J39133	14	N
Otaio Scenic Reserve	J39102	14	Y
Otamatapaio Recreation Reserve	H39058	13	N
Otematata Workshop	H40012	13	N
Otepatotu Scenic Reserve	N36087	9	Y
Otepatotu Scenic Reserve (Part)	N36088	9	Y
Oxford Conservation Area	L34029	4	Y
Pa Island	N36041	9	Y
Palm Gully Scenic Reserve	N37020	9	Y
Paparoa Prison	M35161	8	N
Parnassus Domain	O32008	2	N
Parnassus Recreation Reserve	O32009, 010	2	N
Pearson Park Recreation Reserve	L35028	8	N
Peel Forest Park Scenic Reserve	J37006	11	Y
Pendarves Recreation Reserve	L37033	12	N
Peraki Bay Scenic Reserve	N37012	9	Y
Peraki Saddle Scenic Reserve	N37002	9	Y
Petit Carenage Recreation Reserve	N36106	9	N
Pioneer Park (Geraldine Forest)	J38053	11	Y
Porter Heights Conservation Area	K35010	7	Y
Pudding Hill Scenic Reserve	K36001	7	Y
Pukaki Scenic Reserve	H38011	10	N
Pukerauaruhe Island Recreation Reserve	K36001	7	Y
Puketeraki Forest	L33009	4	Y
Quail Island Recreation Reserve	M36086	8	Y
Raincliff Historic Reserve	J38115	11	Y

Rakaia Forest	J35002	7	Y
Rakaia Recreation Reserve	L36181	8	N
Rakaia Riverbed (Part)	L36188, 182	8	Y
Rakaia Riverbed and Island (Part)	L36208 L37014, 010, 019	8, 12	Y
Rakaia Riverbed Near State Highway 1 (Part)	L36171,182	8	Y
Rakaia Township Conservation Area	L36222	8	N
Rangiora Fire Depot	M35208	8	N
Rangitata - Rakaia Conservation Area	J35001	7	Y
Rangitata Riverbed, Ealing	K37273, 328	12	Y
Raukapuka DOC Base	J38024	11	N
Raukapuka Recreation Reserve (Part)	J38020	11	N
Raules Gully Scenic Reserve	J36012	7	Y
Raupo Pond	L33002	4	Y
Rawhiti Domain	M35550	8	N
Ripapa Island Historic Reserve	N36003	9	Y
Robilliard Park	K37175	12	N
Robinsons Bay Recreation Reserve	N36090	9	N
Rockwood Conservation Area	K35028	7	Y
Rotherham Recreation Reserve	N37026	2	N
Round Hill Forest	H37005	10	Y
Ruataniwha Conservation Area, Ben Ohau	H38058	10	Y
Run 77 Retirement Area (Part)	I37001	11	Y
Sage Recreation Reserve	M36082	8	N
Seafield Recreation Reserve	L37056	12	N
Seaward Forest Conservation Area	M33025	4	Y
Selwyn Wildlife Management Reserve	M36186, 189	8	Y
Shag Rock Scenic Reserve	O33070	5	Y
Sharplin Falls Scenic Reserve	K36026	7	Y
Sign of the Packhorse Scenic Reserve	M36135, 139	8	Y
South Eastern Leibig Range, Upper Jollie and Cass Catchments Conservation Area	I36002	6	Y
South Malvern Recreation Reserve (Part)	L35143, 144	8	N
Spider Lagoon	K38068	12	Y
Springston Cemetery Reserve	M36099	8	N
Springston Recreation Reserve	M36096	8	N
St Marys Range Retirement Area	I40072	14	Y
Stanbury Recreation Reserve	N36109	9	N
Sudholme Management Area	J40001	14	Y
Takahe Drive Recreation Reserve	M36352	8	N
Talbot Forest Scenic Reserve	J38008	11	Y
Tamatakahu Recreation Reserve (Part)	K38087	12	N
Tasman Smith Scenic Reserve	J38151	11	Y
Tauhinu - Korokio Scenic Reserve	M36478	8	Y
Taumatakahu Recreation Reserve	K38079	12	N
Temple Forest	H38035	10	Y
Te Oka Scenic Reserve	N36140	9	Y
Terako Downs Scenic Reserve	N32113	2	Y
Teviotdale Archaeological Site	N34046	5	Y
The Den Retirement Area	L33023	4	Y
Thirteen Mile Bush Forest	K35018	7	Y

Thorrington Road Recreation Reserve	M36319	8	N
Tinwald Domain	K37114	12	N
Tiromoana Scenic Reserve - Ella Peak Area (Part)	N34023	5	Y
Tiromoana Scenic Reserve - (Cass Peak Area) (Part)	N34021	5	Y
Torlesse Conservation Area	K35042	7	N
Torlesse Forest	L34018	4	Y
Transit of Venus Historic Reserve	M36043	8	Y
Tutakakahikura Scenic Reserve	N37019	9	Y
Twizel Information Centre	H38057	10	N
Two Thumb Range Conservation Area	I37003	11	Y
Two Thumb Conservation Area (Richmond Range)	I37003, 004	11	Y
Upper Dobson Conservation Area	H36031	6	Y
Upper Rangitata Riverbed Conservation Area	J36004	7	Y
View Hill Scenic Reserve	L35003	8	Y
Waghorn Scenic Reserve	N36021	9	N
Waiau Cemetery Reserve	N32071	2	N
Waiau Recreation Reserve	N32062	2	N
Waiau Rivermouth Scenic Reserve	O33005	5	Y
Waihao Box Wildlife Management Reserve	J40036	14	Y
Waihi Gorge Scenic Reserve	J37041, 047, 051, 061	11	Y
Waihora Park Recreation Reserve	M36146	8	Y
Waihora Scientific Reserve	M37010	9	Y
Waimakariri Riverbed Conservation Area	K34011	3	Y
Wainono Lagoon	J40014	14	Y
Wainui Recreation Reserve	N36111	9	N
Wainui Scenic Reserve	N36107	9	Y
Waipara Gorge Scenic Reserve (Proposed)	M34123	4	Y
Wairangi Scenic Reserve and Adjacent Conservation Area	N32033, 034, 114	2	Y
Wairewa (Lake Forsyth)	N36135 M37017, 018, 019, 020	9	Y
Waitohi Gorge Recreation Reserve	M33010	4	N
Wards Wildlife Management Reserve	M36470	8	Y
Washdyke Lagoon Wildlife Refuge	J39003	14	Y
Weedons Domain	M36009	8	N
Weka Pass Historic Reserve	M33038	4	Y
Whatarangi Scenic Reserve	N36024	9	Y
Wilberforce Riverbed Conservation Area	K34024	3	Y
Williams Wildlife Management Reserve	M36471	8	Y
Woodbank Run (Part)	M32012	1	Y
Woodbury Recreation Reserve	J37073	11	N
Yarrs Flat Wildlife Reserve	M36183	8	Y

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
G38002	Pt Ahuriri River marginal strip	2.6000	Marginal Strip	ADJ PT RUN 94	HUNTER	2242991 5670487	Waitaki	10
G38003	Pt Ahuriri River marginal strip	19.2000	Marginal Strip	ADJ PT RUN 94	HUNTER STAFFORD	2240011 5658534	Waitaki	10
G38004	Pt Ahuriri River marginal strip	2.0000	Marginal Strip	ADJ PT RUN 94	STAFFORD	2238991 5654870	Waitaki	10
G38005	Pt Ahuriri River marginal strip	9.2000	Marginal Strip	ADJ PT RUN 94	STAFFORD	2239518 5653744	Waitaki	10
G38006	Pt Ahuriri River marginal strip	7.0000	Marginal Strip	ADJ PT RUN 94	STAFFORD	2239358 5652878	Waitaki	10
G38007	Ahuriri River flats	30.0000	Section 62, Conservation Act	PT SEC 3339	HUNTER	2241376 5664672	Waitaki	10
G39001	Conservation area	2.1575	Section 62, Conservation Act	SEC 1	XVI LONGSLIP	2248490 5625215	Waitaki	13
G39002	Conservation area	.4047	Section 62, Conservation Act	SEC2	XVI LONGSLIP	2247350 5622795	Waitaki	13
G39003	Pt Ahuriri River marginal strip	7.8000	Marginal Strip	ADJ RUN 429C ADJ PT RUN 94	LONGSLIP LONGSLIP	2240433 5648494	Waitaki	13
G39004	Pt Ahuriri River marginal strip	18.2000	Marginal Strip	ADJ RUN 429,429A PT RUN 94	ADJ LONGSLIP	2240906 5646340	Waitaki	13
G39005	Pt Ahuriri River marginal strip	8.2000	Marginal Strip	ADJ RUN 556	LONGSLIP	2241603 5645565	Waitaki	13
G39006	Ben Avon marginal strip	25.0000	Marginal Strip	ADJ PT RUNS 233,429A	LONGSLIP LONGSLIP	2245425 5640881	Waitaki	13
G39007	Pt Ahuriri River marginal strip	28.8000	Marginal Strip	ADJ PT RUN 532 PT RUN 556,532	LONGSLIP LONGSLIP LONGSLIP LONGSLIP	2245737 5640373	Waitaki	13
G39008	Pt Ahuriri River marginal strip	.6000	Marginal Strip	ADJ RUN 533	VII, IX AHURIRI	2248805 5633320	Waitaki	13
G39009	Pt Ahuriri River marginal strip	2.6000	Marginal Strip	ADJ PT RUN 233	VII AHURIRI LONGSLIP	2248438 5633614	Waitaki	13
G39010	Pt Ahuriri River marginal strip	3.2000	Marginal Strip	ADJ PT RUN 233	VII AHURIRI	2249338 5632294	Waitaki	13
H36025	Rec reserve	1.2000	Recreation Reserve	RS 41362	XIV MUELLER	2277041 5714582	Waitaki	6
H36026	Rec reserve	.8000	Recreation Reserve	RS 41363	XIV MUELLER	2277426 5714711	Waitaki	6
H36027	Rec reserve	.4000	Recreation Reserve	RS 41364	XIV MUELLER	2278484 5714462	Waitaki	6
H36033	Closed road	38.6000	Section 62, Conservation Act	RS 42010 S0 17099 RS 42011 S0 17099	X, XIV, XVIII MUELLER V, X CASS	2279511 5710159	Waitaki	6
H37004	Paddock for rabbit inspector	10.1171	Local Purpose Reserve	RES2874	X CASS	2281148 5707567	Waitaki	10
H37015	Birch Hill, bush, Freds Stream strip	22.0000	Marginal Strip	ADJ RUN 89A	XVIII MUELLER II III TASMAN	2275593 5704611	Waitaki	10
H37016	Bush, Twin, Whale Stream marginal strips	28.0000	Marginal Strip	ADJ RUN 89	II III VII XI TASMAN	2278536 5695187	Waitaki	10
H38003	Conservation area	39.5000	Section 62, Conservation Act	CROWN LAND, HOPKINS RIVERBED & LEGAL ROAD	XV HOPKINS	2258669 5665926	Waitaki	10
H38010	Conservation area	1.0000	Section 62, Conservation Act	PT RES2947 SO 17101	XV PUKAKI WEST	2282058 5665042	Waitaki	10
H38018	Conservation area	7.1832	Section 62, Conservation Act	PT RUN 725 SO22275	VI CAMPBELL	2256633 5656558	Waitaki	10
H38023	hau River bridge and pond	1.8651	Section 62, Conservation Act	CROWN LAND (ADJ. PT RUN 292 & S.H.8) SO 17101	IX STRACHEY	2277864 5653973	Waitaki	10
H38024	Conservation area	8.4984	Section 62, Conservation Act	SEC2 SO22275	III OHAU RIVER	2277680 5653693	Waitaki	10
H38025	Conservation area	7.1832	Section 62,	SEC 4 SO 22275	VII CAMPBELL	2260135	Waitaki	10

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			Conservation Act			5652933		

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
H38026	Conservation area	.8094	Section 62, Conservation Act	CROWN LAND (ADJ.RUNS 547 & 545) SO22275	II OHAU RIVER	2276115 5651906	Waitaki	10
H38027	Conservation area	.8094	Section 62, Conservation Act	SEC 5 SO22275	VII CAMPBELL	2261014 5651141	Waitaki	10
H38034	Conservation area	30.0000	Section 62, Conservation Act	CROWN LAND (ADJ LAKE OHAU)	VII CAMPBELL	2258052 5655567	Waitaki	10
H38036	Darts Bush Stream marginal strip	8.8000	Marginal Strip	ADJ PT RUN 336	I,II STRACHEY	2270793 5663420	Waitaki	10
H38037	Darts Bush Stream marginal strip	18.2000	Marginal Strip	ADJ PT RUN 336	I,II STRACHEY	2272122 5663793	Waitaki	10
H38038	Fraser Stream marginal strip	10.0000	Marginal Strip	ADJ PT RUN 336	II STRACHEY	2273514 5661052	Waitaki	10
H38039	Fraser Stream marginal strip	3.0000	Marginal Strip	ADJ PT RUN 336 ADJ PT RS 33873	II STRACHEY	2275687 5660286	Waitaki	10
H38040	Fraser Stream marginal strip	1.2000	Marginal Strip	ADJ PT RUN 336	II STRACHEY	2275194 5660741	Waitaki	10
H38041	Fraser Stream marginal strip	2.4000	Marginal Strip	ADJ PT RUN 336	II VI STRACHEY	2276622 5659308	Waitaki	10
H38042	Ben hau marginal strip	4.4000	Marginal Strip	ADJ PT RUN 336	II STRACHEY	2275528 5663005	Waitaki	10
H38043	Ben hau marginal strip	4.4000	Marginal Strip	ADJ PT RUN 336	II STRACHEY	2275561 5663012	Waitaki	10
H38044	Ben hau marginal strip	6.4000	Marginal Strip	ADJ PT RUN 336	II III VII STRACHEY	2276957 5661038	Waitaki	10
H38045	Ben hau marginal strip	6.4000	Marginal Strip	ADJ PT RUN 336	II III VII STRACHEY	2277019 5661054	Waitaki	10
H38046	Twizel River marginal strip	9.4000	Marginal Strip	ADJ PT RUN 336	III VII STRACHEY	2278707 5662522	Waitaki	10
H38047	Twizel River marginal strip	9.4000	Marginal Strip	ADJ PT RUN 336	III VII STRACHEY	2278773 5662596	Waitaki	10
H38048	Twizel River marginal strip	1.8600	Marginal Strip	ADJ PT RUN 292	VII STRACHEY	2278699 5657688	Waitaki	10
H38049	Twizel River marginal strip	2.4000	Marginal Strip	ADJ PT RUN 292	VII STRACHEY	2278719 5658064	Waitaki	10
H38050	Huxley sub 3 marginal strip	4.4000	Marginal Strip	ADJ SEC 1	X HOPKINS	2255700 5672559	Waitaki	10
H38051	Hopkins River marginal strip	6.2000	Marginal Strip	ADJ SEC 4 ADJ RUN 528	XIV HOPKINS	2256596 5668547	Waitaki	10
H38052	Hopkins R / L hau marginal strip	16.4000	Marginal Strip	ADJ SEC 1 3 7	XIV, XV HOPKINS	2257283 5665479	Waitaki	10
H38053	Oahu rec area marginal strip	2.6000	Marginal Strip	ADJ SEC 1	XIV HOPKINS	2253374 5665925	Waitaki	10
H38054	Lake hau marginal strip	16.8000	Marginal Strip	ADJ SEC 3 4 ADJ PT SEC 1	VII CAMPBELL IV OHOU LAKE	2262862 5652779	Waitaki	10
H38055	Oahu River marginal strip	20.8000	Marginal Strip	ADJ PT RUN 547	III, VII OHOU RIVER	2282200 5651297	Waitaki	10
H38056	Oahu River marginal strip	1.6000	Marginal Strip	ADJ PT RUN 545	II, III OHOU RIVER	2277110 5654136	Waitaki	10
H38057	Twizel information centre	.3732	To be allocated to DOC	LOT 4003 DP 48303	VII STRACHEY	2278699 5656529	Waitaki	10
H39001	Crown Land	0.8049	Section 62, Conservation Act	CROWN LAND ADJ. RUN V OHOU RIVER 545, SO22287		2274400 5650000	Waitaki	13
H39002	Crown Land	.8049	Section 62, Conservation Act	CROWN LAND, ADJ. RUN 546, SO22287	V OHOU RIVER	2273000 5648300	Waitaki	13
H39004	Conservation area	2.0234	Section 62, Conservation Act	SEC 4 SO22287 SEC 3 SO22287	VIII OHOU RIVER	2271467 5646207	Waitaki	13
H39006	Conservation area	.8094	Section 62, Conservation Act	CROWN LAND (ADJ. SEC 1 BLK 9 OHOU RIVER S.D.) SO 22287		2271545 5646000	Waitaki	13

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
H39007	Conservation area	.0911	Section 62, Conservation Act	SEC2 SO22287	IX OHAU RIVER	2285956 5644576	Waitaki	13
H39008	Crown Land	3.6421	Section 62, Conservation Act	SEC2, SO22287; SEC 5, SO22287.	XIII BENMORE, XI OHAU RIVER	2286000 5644500	Waitaki	13
H39009	Conservation area	.9105	Section 62, Conservation Act	SEC 4 SO 22287 SEC 3 SO 22287	IX OHAU RIVER XIII BENMORE	2286168 5643613	Waitaki	13
H39010	Conservation area	.8094	Section 62, Conservation Act	SEC 1 SO22287	XV AHURIRI	2260474 5642436	Waitaki	13
H39014	Conservation area	.3715	Section 62, Conservation Act	SEC 6 SO 22287	XIII BENMORE	2286844 5641938	Waitaki	13
H39016	Conservation area	.8094	Section 62, Conservation Act	SEC2 SO22287	XVI BENMORE	2270286 5639268	Waitaki	13
H39018	Water race	.2500	Section 62, Conservation Act	WATER RACE (SEC.2 BLK 12 AHURIRI S.D.) SO 22287	XII AHURIRI	2264079 5636893	Waitaki	13
H39019	Conservation area	.8094	Section 62, Conservation Act	SEC 1 SO22287	XII BENMORE	2269904 5635914	Waitaki	13
H39029	Conservation area	.4047	Section 62, Conservation Act	SEC2	I AHURIRI	2267707 5630921	Waitaki	13
H39033	Conservation area	.1150	Section 62, Conservation Act	PT SEC20	I BENMORE	2268200 5631200	Waitaki	13
H39048	General education	.2185	Government Purpose Education Reserve	SEC 32	I BENMORE	2268453 5630973	Waitaki	13
H39049	Water race	.3136	Section 62, Conservation Act	WATER RACE RESERVE THROUGH PT.SEC 9	I BENMORE	2268558 5630889	Waitaki	13
H39050	Conservation area	.4047	Section 62, Conservation Act	SEC 4	III AHURIRI	2263100 5629300	Waitaki	13
H39051	Conservation area	.4047	Section 62, Conservation Act	SEC 3	III AHURIRI	2260754 5628663	Waitaki	13
H39052	Conservation area	5.8173	Section 62, Conservation Act	SEC 2 SEC 1	V AHURIRI	2255494 5627888	Waitaki	13
H39054	Conservation area	1.7893	Section 62, Conservation Act	SEC2	II BENMORE	2275377 5629139	Waitaki	13
H39057	Conservation area	.2453	Section 62, Conservation Act	SEC 4	IV BENMORE	2278598 5624757	Waitaki	13
H39058	Otamatapaio recreation reserve	84.0700	Recreation Reserve	SEC 3	V BENMORE	2279442 5624170	Waitaki	13
H39059	Conservation area	.8094	Section 62, Conservation Act	SEC 3 SO 22287	I AHURIRI	2264712 5629977	Waitaki	13
H39061	Conservation area	.0899	Section 62, Conservation Act	SEC 92 SO22287	I BENMORE	2268864 5630776	Waitaki	13
H39063	Conservation area	.0076	Section 62, Conservation Act	SEC 42 & 43 SO22287	I BENMORE	2270300 5633000	Waitaki	13
H39064	Conservation area	1.5000	Section 62, Conservation Act	PT BED OF AHURIRI R. ADJ. SEC. 43	I BENMORE	2270300 5633000	Waitaki	13
H39065	Conservation area	1.1150	Section 62, Conservation Act	PT SEC20	I BENMORE	2268300 5631200	Waitaki	13
H39066	Conservation area	.4047	Section 62, Conservation Act	LOTS 1,2,3,4,5 DP 10670	I BENMORE	2268783 5631033	Waitaki	13
H39067	Ahuriri River marginal strip	29.8000	Marginal Strip	ADJ PT RUN 533 534 ADJ PT SEC 6 7	III, V, VII AHURIRI	2256500 5628098	Waitaki	13
H39068	Ahuriri River marginal strip	14.2000	Marginal Strip	ADJ PT SEC 1 2 ADJ PT RUN 233 201B	V, VI AHURIRI	2252649 5629797	Waitaki	13
H39069	Ahuriri River marginal strip	11.8000	Marginal Strip	ADJ RUN 674 ADJ SEC 3	III, V AHURIRI	2258725 5628070	Waitaki	13
H39070	Ahuriri River marginal strip	3.8000	Marginal Strip	ADJ RUN 674	III AHURIRI	2262125 5630493	Waitaki	13
H39071	Ahuriri River marginal strip	2.2000	Marginal Strip	ADJ SEC 4 6	I AHURIRI	2264286 5633168	Waitaki	13

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H39072	Ahuriri River marginal strip	7.2000	Marginal Strip	ADJ SEC 4	1 AHURIRI	2266145 5634582	Waitaki	13

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H39073	Ahuriri River marginal strip	1.2000	Marginal Strip	ADJ PT SEC 4	I AHURIRI	2264672 5632806	Waitaki	13
H39074	Ahuriri River marginal strip	7.4000	Marginal Strip	ADJ PT SEC 4	I AHURIRI	2266145 5634422	Waitaki	13
H39075	Ahuriri River marginal strip	.8000	Marginal Strip	ADJ SEC 14 19	XII BENMORE	2269738 5633885	Waitaki	13
H39076	Omarama marginal strip	5.0000	Marginal Strip	ADJ PT SEC 114 ADJ LOT 1 2 3 4 5 6 7 9 DP 9147 ADJ LOT 10 DP 9148 ADJ LOT 1 DP 10859 ADJ LOT 1 DP 19850 ADJ LOT 1 2 3 4 5 6 7 9 DP 19887	I BENMORE	2269366 5631910	Waitaki	13
H39077	Ahuriri River marginal strip	10.4000	Marginal Strip	ADJ PT SEC 18 ADJ PT RUN 552	I, II BENMORE	2272848 5633355	Waitaki	13
H39078	Ahuriri River marginal strip	7.0000	Marginal Strip	ADJ PT RUN 552 728	II BENMORE	2276002 5631859	Waitaki	13
H39079	Ahuriri River marginal strip	15.8000	Marginal Strip	ADJ LOT 1 ADJ PT SEC 1 7	I, II BENMORE	2274551 5632662	Waitaki	13
H39081	Lake Benmore marginal strip	6.0000	Marginal Strip	ADJ PT RUN 547	XI OHAU RIVER	2286457 5646162	Waitaki	13
H39082	Lake Benmore marginal strip	4.4000	Marginal Strip	ADJ RUN 747	XIII BENMORE XI OHOU RIVER	2286413 5643525	Waitaki	13
H39083	Lake Benmore marginal strip	1.2000	Marginal Strip	ADJ RUN 747	XIII BENMORE	2286851 5642855	Waitaki	13
H39084	Lake Benmore marginal strip	66.2000	Marginal Strip	ADJ RUN 746 747	V, VI, VII, IX, XIII BENMORE	2285699 5627189	Waitaki	13
H39085	Lake Benmore marginal strip	29.6000	Marginal Strip	ADJ RUN 744 745 SEC 5	ADJ V, VI BENMORE VI GALA	2283700 5625713	Waitaki	13
H39086	Sailors cutting marginal strip	5.4000	Marginal Strip	ADJ PT RUN 744	III GALA	2278718 5622056	Waitaki	13
H39088	Sailors cutting marginal strip	2.4000	Marginal Strip	ADJ PT RUN 744	III GALA	2278845 5620379	Waitaki	13
H39089	Tara Hills research sm marginal strip	3.0000	Marginal Strip	ADJ RUN 322E ADJ PT SEC 5	III, IV AHURIRI	2261700 5625700	Waitaki	13
H39090	Recreation reserve	.3670	Local Purpose Reserve	LOTS 91, 92, 93 DP 19527	I BENMORE	2269200 5630800	Waitaki	13
H39091	Recreation reserve	.0203	Local Purpose Reserve	LOT 90 DP 19527	I BENMORE	2269200 5630800	Waitaki	13
H39092	Recreation reserve	.0080	Local Purpose Reserve	LOT 88 DP 19527	I BENMORE	2269200 5630800	Waitaki	13
H39093	Recreation reserve	.0185	Local Purpose Reserve	LOT 87 DP 19527	I BENMORE	2269200 5630800	Waitaki	13
H39094	Recreation reserve	.0489	Local Purpose Reserve	LOT 86 DP 19527	I BENMORE	2269200 5630800	Waitaki	13
H40009	Ranger headquarters site	.0946	Government Purpose Reserve	LOTS 6 & 7 DP 12399	VIII GALA	2287244 5618474	Waitaki	13
H40011	Riparian strip	.1900	Section 62, Conservation Act	CROWN LAND ADJ. SEC. I OTAMATAKAU 10 & D.P. 11472		2288112 5618806	Waitaki	13
H40012	Otematata workshop	.1106	Section 62, Conservation Act	LOT 5,6 DP 18814 SO21009	VIII GALA	2287469 5618074	Waitaki	13
H40013	Crownland	.2725	Section 62, Conservation Act	SEC 1 SO22885	VIII GALA	2287247 5618285	Waitaki	13
H40014	Otamatapaio River marginal strip	32.0000	Marginal Strip	ADJ PT RUN 743 744	II, V, VI GALA	2274695 5616610	Waitaki	13
H40015	Pt Corbies Creek marginal strip	4.0000	Marginal Strip	ADJ PT RUN 744	III GALA	2278023 5617243	Waitaki	13
H40016	Pt Corbies Creek marginal strip	8.0000	Marginal Strip	ADJ PT RUN 744	VI, VII GALA	2277995 5617260	Waitaki	13
H40017	Pt Otematata River	4.0000	Marginal Strip	ADJ PT RUN 472	VIII GALA	2287776	Waitaki	13

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	marginal strip					5618540		
H40018	Pt Otematata River marginal strip	4.8000	Marginal Strip	ADJ PT RUN 744 ADJ PT LOT 1 DP 11472	II, III GALA I OTAMATAKAU	2288041	Waitaki	13
						5618236		
H40019	Pt Otematata River marginal strip	22.0000	Marginal Strip	ADJ PT RUN 742	VIII, XI GALA	2285645	Waitaki	13
						5614249		
H40020	Pt Otematata River marginal strip	42.0000	Marginal Strip	ADJ PT RUN 472	XI, XIV TURNAGAIN	2282990	Waitaki	13
						5603834		
H41002	Blue Duck Creek marginal strip	2.0000	Marginal Strip	ADJ PT RUN 362C 573	I MT BUSTER	2289600	Waitaki	13
						5589700		
H41003	Blue Duck Creek marginal strip	2.0000	Marginal Strip	ADJ PT RUN 362B	I MT BUSTER	2289600	Waitaki	13
						5589700		
I36004	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND SO 17105	XIV GODLEY	2309592	Waitaki	6
						5723638		
I37014	Mt Dobson ski field	10.5000	Section 62, Conservation Act	PT RS 41129 SO 16990	VIII, XII TEKAPO	2322779	Pareora	11
						5693194		
I37020	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND ADJ. RUN 344 SO 17106	XII JOLLIE	2295826	Waitaki	11
						5688896		
I37024	Conservation area	.1300	Section 62, Conservation Act	CROWN LAND ADJ. FORK STREAM SO 17106	XVII JOLLIE	2302153	Waitaki	11
						5686846		
I37036	Education reserve	.7028	Government Purpose Education Reserve	RES. 4791	XIII TEKAPO	2307500	Waitaki	11
						5686200		
I37046	Rec reserve	.0600	Recreation Reserve	SEC 105	XIII TEKAPO	2307800	Waitaki	11
						5685800		
I37055	Conservation area	2.4812	Section 62, Conservation Act	CROWN LAND ADJ. RUN 79, 'GLENMORE'	V TEKAPO	2306819	Waitaki	11
						5695572		
I37056	Conservation area	1.5000	Section 62, Conservation Act	PT RES 181 SO 17106	XIII TEKAPO	2308100	Waitaki	11
						5685500		
I37058	Silverstream marginal strip	1.0000	Marginal Strip	ADJ RS 41130 41409	XIII OPUHA	2326798	Pareora	11
						5684295		
I38001	Stock resting place	2.2733	Local Purpose Reserve	PT RES 3845	II BURKE	2310097	Waitaki	11
						5679802		
I38002	Conservation area	8.0000	Section 62, Conservation Act	PT BED OPIHI RIVER ADJ. RUN 295 SO 17107	IV BURKE	2323550	Pareora	11
						5679711		
I38004	Conservation area	5.3797	Section 62, Conservation Act	RS 38488	VIII BURKE	2321990	Pareora	11
						5677469		
I38012	Conservation area	5.7634	Section 62, Conservation Act	PT RES 3906 SO 17107	X BURKE	2312781	Waitaki	11
						5671217		
I38013	Stock	.8093	Local Purpose Reserve	RES 3751	XIII TENGAWAI	2326941	Pareora	11
						5664513		
I38019	Tekapo River marginal strip	.4000	Marginal Strip	ADJ RUN 73	III GLADSTONE	2298602	Waitaki	11
						5659593		
I38020	Tekapo River marginal strip	.2000	Marginal Strip	ADJ RS 1359	III GLADSTONE	2298574	Waitaki	11
						5659504		
I39002	Cattle Creek recreation res.	9.0370	Recreation Reserve	RS 41050	XII DALZELL IX NIMROD	2325400	Waitaki	14
						5630532		
I39011	Hakataramea River marginal strip	11.2000	Marginal Strip	ADJ RS 40000 40002 40004 40005 ADJ RS 40007	IV VIII DALZELL V NIMROD IV VIII DALZELL V NIMROD	2324878	Waitaki	14
						5636318		
I39012	Peter Stream marginal strip	.4000	Marginal Strip	ADJ RS 40008 40009	V NIMROD	2325954	Waitaki	14
						5633865		
I39013	Peter Stream marginal strip	1.8000	Marginal Strip	ADJ RS 40008 40009 40010	V NIMROD	2326567	Waitaki	14
						5634065		
I39014	Hakataramea River marginal strip	4.2000	Marginal Strip	ADJ RS 38346	XII DALZELL IX NIMROD	2325378	Waitaki	14
						5632397		
I39015	Cattle Creek marginal strip	2.2000	Marginal Strip	ADJ RS 40709 41050	IX NIMROD	2325608	Waitaki	14
						5629865		
I39016	Hakataramea River marginal strip	.2000	Marginal Strip	ADJ RS 40463	IX NIMROD	2325631	Waitaki	14
						5630802		

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I39017	Hakatamea River marginal strip	1.8000	Marginal Strip	ADJ RS 40462	IX NIMROD	2325864 5630397	Waitaki	14

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
I40003	River conservation	10.6229	Local Purpose Soil Conservation Reserve	PT RES2878	X, XI HAKATARAMEA	2316200 5610580	Waitaki	14
I40005	Kurow Cemetery	.8094	Local Purpose Cemetary Reserve	SEC 9	IV KUROW	2308423 5607241	Waitaki	14
I40011	Conservation area	70.0000	Section 62, Conservation Act	PT RIVER BED ADJ LOTS IN BLK XIV HAKA SO 22292	XIV HAKATARAMEA I KUROW	2312641 5603108	Waitaki	14
I40027	Pest destruction bd.buildings	.2630	Local Purpose Reserve	SEC 10 & 11	XI TOWN OF KUROW	2309651 5604841	Waitaki	14
I40031	Kurow scenic reserve	1.8148	Scenic Reserve	SEC 33 SO 19122	X KUROW	2308981 5603868	Waitaki	14
I40036	Conservation area	24.9000	Section 62, Conservation Act	PT RIVERBED SO 22292	XIV HAKATARAMEA I MEYER	2314226 5602171	Waitaki	14
I40037	Conservation area	43.0000	Section 62, Conservation Act	PT RIVERBED ADJ SEC 5 & PT SEC 6 SO 22292	III KUROW	2313938 5600925	Waitaki	14
I40038	Conservation area	47.0000	Section 62, Conservation Act	PT RIVERBED ADJ PT SEC 6 SO22292	III KUROW	2315111 5599417	Waitaki	14
I40039	Conservation area	3.2400	Section 62, Conservation Act	SEC 5 SO22292	IV KUROW	2305391 5603883	Waitaki	14
I40040	Conservation area	15.6000	Section 62, Conservation Act	PT RIVER BED ADJ SEC.S BLK XII MAEREWHENUA SO 22292	XII MAEREWHENUA	2316113 5598246	Waitaki	14
I40041	Conservation area	24.9000	Section 62, Conservation Act	PT RIVER BED ADJ SEC OTEKAIEKE SETT. SO 22292	V, XII MAEREWHENUA	2319581 5595742	Waitaki	14
I40042	Conservation area	58.8000	Section 62, Conservation Act	CROWN LAND WAITAKI RIVER SO 22292	V MAEREWHENUA V MEYER	2322932 5594804	Waitaki	14
I40053	Waitangi recreation reserve	23.0670	Recreation Reserve	RS 40073 SO 11696	II, III GIBSON	2295527 5619277	Waitaki	14
I40054	Fishermans Bend recreation res	25.4952	Recreation Reserve	RS 39911 SO 11488	V, VI GIBSON	2300878 5612734	Waitaki	14
I40055	Conservation area	37.0000	Section 62, Conservation Act	CROWN LAND PART OTEKAIEKE & WAITAKI RIVER SO 22292	XII MAEREWHENUA	2318149 5596239	Waitaki	14
I40056	Conservation area	6.0000	Section 62, Conservation Act	CROWN LAND ADJ. LOTS 1 & 2 DP 17497	IV, V MAEREWHENUA	2325404 5593727	Waitaki	14
I40058	Waitaki River marginal strip	.9000	Marginal Strip	ADJ RS 39277	V MEYER	2323147 5595826	Waitaki	14
I40059	Waitaki River marginal strip	.4000	Marginal Strip	ADJ RS 39278	V MEYER	2323817 5595530	Waitaki	14
I40060	Waitaki River marginal strip	2.4000	Marginal Strip	ADJ RS 39279	V MEYER	2325595 5595015	Waitaki	14
I40061	Waitaki River marginal strip	4.4000	Marginal Strip	ADJ RS 39280	V ELEPHANT HILL V MEYER	2326500 5595000	Waitaki	14
I40062	Aviemore marginal strip	.8000	Marginal Strip	ADJ SEC 16	VI KUROW	2300527 5612350	Waitaki	14
I40063	Lake waitaki marginal strip	.8000	Marginal Strip	ADJ SEC 25 26 27 28 29	V KUROW	2306878 5608952	Waitaki	14
I40064	Awakino River marginal strip	1.8000	Marginal Strip	ADJ SEC 30	V KUROW	2307380 5609060	Waitaki	14
I40065	Awakino River marginal strip	9.8000	Marginal Strip	ADJ SEC 2 3 12 13 23 24	IV, V KUROW	2306526 5606909	Waitaki	14
I40066	Awakino River marginal strip	5.8000	Marginal Strip	ADJ SEC 23	IV, V KUROW	2306604 5606897	Waitaki	14
I40067	Awakino River marginal strip	10.8000	Marginal Strip	ADJ SEC 4 5 7	IV KUROW	2305301 5603887	Waitaki	14
I40068	Awakino River marginal strip	5.6000	Marginal Strip	ADJ SEC 4 623 SO22468	VII KUROW	2303213 5602054	Waitaki	14
I40069	Mt Buster marginal strip	19.8000	Marginal Strip	ADJ RUN 362B 362C 574	I MT BUSTER	2292137 5592110	Waitaki	14

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
I40070	Mt Buster marginal strip	16.8000	Marginal Strip	ADJ RUN 362B	1 MT BUSTER	2291213 5591948	Waitaki	14

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
J40071	Mt Buster marginal strip	20.5000	Marginal Strip	ADJ RUN 362C	I MT BUSTER	2291409 5592108	Waitaki	14
J34002	Mathias ecological area	1537.8050	CAEA	RES 4755	HUNTER II, III, IV, V OWEN STAFFORD	2356378 5779525	Rangitata	3
J35007	Lake Heron marginal strip	23.0000	Marginal Strip	CROWN LAND	VII VIII XI HERON	2363342 5750053	Rangitata	7
J35009	Stock resting place	.4580	Local Purpose Reserve	RES 4403	XI WHITCOMBE	2359442 5762852	Rangitata	7
J36007	Conservation area	12.5000	Section 62, Conservation Act	PT RES 1575	I MT PEEL XVI SINCLAIR	2345708 5723375	Rangitata	7
J36009	Conservation area	3.0000	Section 62, Conservation Act	CROWN LAND ADJOINING RUN 301 & R.S. 40873 SO 17113	II ACLAND	2366567 5714156	Rangitata	7
J36010	Conservation area	.7587	Section 62, Conservation Act	PT RS 33984 SO 17113	I SHEPHERDS BUSH	2368041 5714356	Rangitata	7
J36011	Conservation area	2.2763	Section 62, Conservation Act	PT RS 30773 SO 17113	I SHEPHERDS BUSH	2368305 5713984	Rangitata	7
J36018	Conservation area	2.1195	Section 62, Conservation Act	CROWN LAND ADJ R S 39814 SO 17113	XVI HERON	2362105 5735429	Rangitata	7
J36019	Conservation area	1.0000	Section 62, Conservation Act	PT RUN 115B SO 17113	XVI HERON	2366317 5738123	Rangitata	7
J36021	M ori lakes marginal strip	.8000	Marginal Strip	ADJ RS 39809	IV TRIPP	2362889 5735033	Rangitata	7
J36022	M ori lakes marginal strip	.8000	Marginal Strip	ADJ RS 39809	IV TRIPP	2362909 5735007	Rangitata	7
J36023	Ashburton/Hakaterere River marginal strip	3.6000	Marginal Strip	ADJ RS 39813	IV TRIPP	2362750 5733242	Rangitata	7
J36024	Ashburton/Hakaterere River marginal strip	3.6000	Marginal Strip	ADJ RS 39813	IV TRIPP	2362778 5734189	Rangitata	7
J36025	Boundary Stream marginal strip	.5000	Marginal Strip	ADJ RS 41015	II ACLAND	2364227 5712500	Rangitata	7
J36026	Boundary Stream marginal strip	6.8000	Marginal Strip	ADJ RS 40873	II ACLAND	2365099 5713157	Rangitata	7
J36027	Rangitata River marginal strip	5.0000	Marginal Strip	ADJ RS 40873	II ACLAND	2368821 5712623	Rangitata	7
J36028	Raules Gully marginal strip	.8000	Marginal Strip	ADJ RS 40873	II ACLAND	2367980 5711119	Rangitata	7
J36029	Raules Gully marginal strip	.4000	Marginal Strip	ADJ RS 41016	II ACLAND	2367995 5711047	Rangitata	7
J37002	Conservation area	86.0000	Section 62, Conservation Act	PTS NTH BRANCH OPUHA RIVERBED ADJ PT RUN 14 SO 17114	XV FOX III, VII, VIII OPUHA	2338035 5697496	Pareora	11
J37003	Conservation area	2.5000	Section 62, Conservation Act	CROWN LAND ADJ RS 4278 & 22542 SO 17114	III, IV ACLAND	2368904 5704887	Rangitata	11
J37005	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 2476	IV OPUHA	2343912 5700960	Pareora	11
J37012	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2360	III ORARI	2367867 5697188	Pareora	11
J37013	Gravel purposes	.4856	Local Purpose Gravel Reserve	RES 3854	VII OPUHA	2338226 5695312	Pareora	11
J37017	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2384	VIII OPUHA	2339665 5693754	Pareora	11
J37018	Conservation area	.4733	Section 62, Conservation Act	RS 40753 SO 17114	V ORARI	2368905 5694071	Pareora	11
J37021	Gravel	.4046	Local Purpose Gravel Reserve	RES 3855	XI OPUHA	2336554 5692802	Pareora	11
J37027	Conservation area	2.8328	Section 62, Conservation Act	SEC 24 SO 17114	XI FOUR PEAKS	2356290 5693042	Pareora	11
J37029	Gravel	.4325	Local Purpose	RES 3856	XI OPUHA	2335265	Pareora	11

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
				Gravel Reserve		5690987		

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
J37030	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2386	X OPUHA	2331472 5690550	Pareora	11
J37032	Conservation area	60.0000	Section 62, Conservation Act	CROWN LAND ORARI RIVER SO 17114	V ORARI	2367766 5690327	Pareora	11
J37035	Gravel	.4046	Local Purpose Gravel Reserve	RES 3857	X, XI OPUHA	2334281 5690227	Pareora	11
J37036	Gravel	.8624	Local Purpose Gravel Reserve	RES2611	X OPUHA	2330208 5689580	Pareora	11
J37038	Gravel	.8119	Local Purpose Gravel Reserve	RES2609	X OPUHA	2331245 5688985	Pareora	11
J37044	Gravel pit	.8119	Local Purpose Gravel Reserve	RES2608	X, XIV OPUHA	2332789 5688420	Pareora	11
J37048	Gravel pit	.8119	Local Purpose Gravel Reserve	RES2607	XV OPUHA	2334475 5687987	Pareora	11
J37050	School endowment plantation	20.4593	Government Purpose Education Reserve	RES 5190,2602,2958	XV OPUHA	2336024 5687219	Pareora	11
J37056	Gravel pit	.9586	Local Purpose Gravel Reserve	LOT2 DP 3179	XV OPUHA	2336846 5686367	Pareora	11
J37057	Gravel	.8119	Local Purpose Gravel Reserve	RES.2606	XIV OPUHA	2332270 5686623	Pareora	11
J37065	Gravel	.4046	Local Purpose Gravel Reserve	RES 3885	XV FOUR PEAKS	2358341 5686474	Pareora	11
J37068	Gravel pit	.8119	Local Purpose Gravel Reserve	RES2603	XV OPUHA	2335321 5685235	Pareora	11
J37070	Gravel	.8119	Local Purpose Gravel Reserve	RES2604	XIV OPUHA	2333951 5685029	Pareora	11
J37072	General education (plantation)	2.0234	Government Purpose Education Reserve	RES 1728	VIII ORARI	2369651 5685172	Pareora	11
J37073	Woodbury rec reserve	51.0566	Recreation Reserve	RS 41143,41144	I GERALDINE VII ORARI	2366919 5684518	Pareora	11
J37075	General education	.4046	Government Purpose Education Reserve	RES 3887	XVI FOUR PEAKS	2359893 5684348	Pareora	11
J37077	Cemetery	4.0468	Local Purpose Cemetary Reserve	RES2828	I GERALDINE VII ORARI	2366834 5684172	Pareora	11
J37078	Gravel	2.0234	Local Purpose Gravel Reserve	RES2460	II GERALDINE VIII ORARI	2369899 5684298	Pareora	11
J37081	Conservation area	.0377	Section 62, Conservation Act	RS 41374 SO 17114	III OPIHI	2356488 5683218	Pareora	11
J37082	Conservation area	.4500	Section 62, Conservation Act	RS 41375 SO 17114	III OPIHI	2356914 5683362	Pareora	11
J37083	Gravel	.4046	Local Purpose Gravel Reserve	RES 3888	III OPIHI	2358952 5683422	Pareora	11
J37085	Conservation area	1.5000	Section 62, Conservation Act	CROWN LAND ADJ SEC 6A FOUR PEAKS SETTLEMENT SO 17114	II, III OPIHI	2354456 5682822	Pareora	11
J37086	Intake for water race	1.3152	Local Purpose Reserve	RES 3968	IV OPIHI	2360414 5681115	Pareora	11
J37087	River conservation	6.0702	Local Purpose Soil Conservation Reserve	RES2830	I GERALDINE	2369355 5681790	Pareora	11
J37090	River conservation	21.6506	Local Purpose Soil Conservation Reserve	PT RES2700 RES2701,2702,2703	IV OPIHI	2361663 5680264	Pareora	11
J37098	Conservation area	7.5970	Section 62, Conservation Act	LOT 1 DP 48660	IV ORARI	2369223 5698531	Rangitata	11
J38005	River conservation	7.6890	Local Purpose Soil Conservation Reserve	RES2831	V GERALDINE	2365317 5678930	Pareora	11

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
J38015	Road board offices	.4021	Government Purpose Government Buildings Reserve	SEC 12,13,14,15	V GERALDINE	2369200 5677900	Plains	11
J38017	Conservation area	.5000	Section 62, Conservation Act	CROWN LAND WAIHI RIVER SO 17115	V, VI GERALDINE	2369500 5677700	Plains	11
J38020	Pt Raukapuka rec. reserve	.0199	Recreation Reserve	LOT 3.4 DP26579	VI GERALDINE	2369900 5678400	Plains	11
J38021	Conservation area	.1356	Section 62, Conservation Act	LOT 11 & 12 DP 34111	V GERALDINE	2368800 5677500	Plains	11
J38024	Geraldine base	1.7300	Section 62, Conservation Act	PT LOT 9 DP 33 PT LOT 18,19,20,21 DP 103 RS 41902	V GERALDINE	2369100 5677100	Plains	11
J38026	River conservation	15.3780	Local Purpose Soil Conservation Reserve	RES2745	VII TENGAWAI	2335781 5677796	Pareora	11
J38035	General education	1.4836	Government Purpose Education Reserve	RES 4806	VII TENGAWAI	2335806 5676282	Pareora	11
J38036	Conservation area	14.0000	Section 62, Conservation Act	CROWN LAND OPIHI RIVER SO 17115	VII TENGAWAI	2337718 5675999	Pareora	11
J38040	Conservation area	.2000	Section 62, Conservation Act	CROWN LAND ADJ. LOT V OPIHI 1 D.P. 3480 SO 17115		2346259 5677624	Pareora	11
J38043	River conservation	42.4919	Local Purpose Soil Conservation Reserve	RES2834	V GERALDINE	2366149 5676974	Pareora	11
J38045	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 4887	V GERALDINE	2366374 5675962	Pareora	11
J38051	Water supply & reservoir	.4046	Local Purpose Reserve	RES 3259	XI TENGAWAI	2337200 5672544	Pareora	11
J38054	Gravel	4.9017	Local Purpose Gravel Reserve	RES 3541	IX OPIHI	2347731 5671569	Pareora	11
J38059	Gravel	.4046	Local Purpose Gravel Reserve	RES 3260	XI TENGAWAI	2334897 5671085	Pareora	11
J38060	Gravel	.4046	Local Purpose Gravel Reserve	RES 3555	X OPIHI	2353116 5670364	Pareora	11
J38062	River conservation	15.9850	Local Purpose Soil Conservation Reserve	RES2970	IX GERALDINE	2368762 5669572	Plains	11
J38064	Conservation area	38.0000	Section 62, Conservation Act	CROWN LAND RAINCLIFF STREAM SO 17115	IX OPIHI	2348210 5670690	Pareora	11
J38067	Gravel	.4046	Local Purpose Gravel Reserve	RES 3556 SO 1495	X OPIHI	2351729 5668969	Pareora	11
J38069	Gravel	.4046	Local Purpose Gravel Reserve	RES 3261	XI TENGAWAI	2337046 5668528	Pareora	11
J38073	Conservation area	.2000	Section 62, Conservation Act	CROWN LAND ADJ. RES. 4319 SO 17115	XIII GERALDINE	2367253 5669082	Plains	11
J38074	Conservation area	14.5000	Section 62, Conservation Act	CROWN LAND HAE HAE TE MOANA RIVER SO 17115	XIII GERALDINE	2368831 5668604	Plains	11
J38076	Conservation area Opihi River bed	.2000	Section 62, Conservation Act	CROWN LAND OPIHI RIVER SO 17115	XIII OPIHI	2349301 5668451	Pareora	11
J38080	Conservation area	32.5000	Section 62, Conservation Act	CROWN LAND ADJ. PT LOT 1 DP 937, PT RS20125 SO 17115	XIII, XIV OPIHI	2349996 5667490	Pareora	11
J38083	Gravel	.4046	Local Purpose Gravel Reserve	RES 3258	XV TENGAWAI	2337375 5666278	Pareora	11
J38084	Gravel	.4046	Local Purpose Gravel Reserve	RES 3254	XV TENGAWAI	2336369 5664984	Pareora	11
J38088	Gravel & roadman camping place	.4046	Local Purpose Gravel Reserve	RES 3250	XIV TENGAWAI	2330940 5663799	Pareora	11
J38089	Road & tramway	.4046	Local Purpose Road	RES 3251	II OPAWA XIV TENGAWAI	2331772	Pareora	11

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
			Reserve			5663369		
J38090	Gravel	.4046	Local Purpose Gravel Reserve	RES 3255	XV TENGAWAI	2335656 5663700	Pareora	11
J38091	Gravel	.4046	Local Purpose Gravel Reserve	RES 3256	III OPAWA	2337219 5663199	Pareora	11
J38092	Coal mine	4.4515	Government Purpose Reserve	RES 3252	II OPAWA	2332106 5662909	Pareora	11
J38093	Gravel	.8093	Local Purpose Gravel Reserve	RES 3257	III OPAWA	2336518 5661913	Pareora	11
J38094	Conservation area	3.0000	Section 62, Conservation Act	CROWN LAND LITTLE OPAWA RIVER SO 17115	III OPAWA	2339746 5662508	Pareora	11
J38095	Conservation area	1.1000	Section 62, Conservation Act	CLOSED ROAD ADJ. LITTLE OPAWA RIVER. SO 17115	III OPAWA	2339652 5662464	Pareora	11
J38096	Conservation area	.2856	Section 62, Conservation Act	CLOSED ROAD ADJ. OPAWA RIVER. SO 17115	III OPAWA	2339718 5662261	Pareora	11
J38097	Conservation area	.0733	Section 62, Conservation Act	CROWN LAND OPAWA RIVER SO 17115	III OPAWA	2339808 5662285	Pareora	11
J38111	Cemetery	8.9235	Local Purpose Cemetary Reserve	RS 41580	III, IV PAREORA	2360128 5658926	Pareora	11
J38121	Clay quarry	8.0937	Local Purpose Reserve	RES 3660	II, III PAREORA	2354845 5659058	Pareora	11
J38122	Conservation area	3.0000	Section 62, Conservation Act	CROWN LAND TENGAWAI RIVER SO 17115	II, VI, PAREORA	2354589 5658639	Pareora	11
J38123	River conservation	3.6421	Local Purpose Soil Conservation Reserve	RES2708	IV PAREORA	2364740 5658892	Plains	11
J38129	Conservation area	1.4164	Section 62, Conservation Act	RES 1891 SO 17115	VI PAREORA	2352694 5656349	Pareora	11
J38134	Conservation area	.0250	Section 62, Conservation Act	CROWN LAND TENGAWAI RIVER SO 17115	VIII OPAWA	2345036 5654486	Pareora	11
J38136	Conservation area	6.8080	Section 62, Conservation Act	LOT2 DP 40566 LOT 1 DP 40566	V PAREORA	2348027 5654114	Pareora	11
J38139	Conservation area	8.5000	Section 62, Conservation Act	CROWN LAND ADJ. R.S. 5209.	V PAREORA	2346524 5653496	Pareora	11
J38145	Plantation	.8321	Local Purpose Plantation Reserve	RES 3686	X, XI PAREORA	2355109 5651874	Pareora	11
J38156	Conservation area	.1125	Section 62, Conservation Act	CROWN LAND ADJ. R.S. 40653 SO 17115	V PAREORA	2346779 5653440	Pareora	11
J38168	Conservation area	2.5000	Section 62, Conservation Act	CROWN LAND (SEC. 58 L.A. 1948.20.12M WIDE) SO 17115	V, IX OPIHI	2347332 5674088	Pareora	11
J38169	Conservation area	2.0234	Section 62, Conservation Act	RS 38641 SO 17115	VIII AROWHENUA	2369179 5651192	Plains	11
J38172	Conservation area	.2653	Section 62, Conservation Act	PT RES 3678 SO 17115	VII OPAWA	2339532 5654982	Pareora	11
J38173	Conservation area	.7436	Section 62, Conservation Act	CLOSED ROAD ADJ SEC. 198 ROSEWILL SETTLEMENT. SO 17115	XI OPAWA	2339799 5650729	Pareora	11
J38174	Albury marginal strip	.1300	Marginal Strip	ADJ RES 1213 ADJ RS 37872 40590	IV OPAWA	2340100 5662000	Pareora	11
J38175	Rocky Gully marginal strip	.2000	Marginal Strip	ADJ RS 40716 1214	ADJ RES IV OPAWA	2341400 5660800	Pareora	11
J38176	Rocky Gully marginal strip	.4000	Marginal Strip	ADJ SEC 190	IV OPAWA	2341400 5660800	Pareora	11
J38177	Rocky Gully marginal strip	.1500	Marginal Strip	ADJ SEC 188	IV OPAWA	2341400 5660800	Pareora	11
J38178	Tengawai River marginal strip	1.9000	Marginal Strip	ADJ SEC 196	IV OPAWA	2341821 5660756	Pareora	11
J38179	Pareora River marginal	.4000	Marginal Strip	ADJ RES 4623	XI OPAWA	2340158	Pareora	11

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
	strip					5650892		
J38180	Cave marginal strip	.9000	Marginal Strip	ADJ RS 5209	V PAREORA	2346364 5653388	Pareora	11
J38181	Cave marginal strip	.1500	Marginal Strip	ADJ RS 5209	V PAREORA	2346500 5653500	Pareora	11
J38182	Rosewill settlement marginal strip	16.7000	Marginal Strip	ADJ RS21211 40950 40951	III PAREORA	2356876 5659169	Pareora	11
J38183	Opihi River marginal strip	10.0000	Marginal Strip	ADJ RS 40452 41049	IV PAREORA	2362157 5659986	Pareora	11
J38184	Geraldine marginal strip	.0100	Marginal Strip	ADJ LOT 12 3 4 5 6 7 DP23426	V GERALDINE	2369500 5677500	Pareora	11
J38185	Hae hae te moana River marginal strip	1.6000	Marginal Strip	ADJ RS 38501	IX GERALDINE	2367606 5674113	Pareora	11
J38186	Hae hae te moana River marginal strip	3.2000	Marginal Strip	ADJ RS 38500	IX GERALDINE	2368137 5672324	Pareora	11
J39014	Education	.1295	Government Purpose Education Reserve	RES 4817	X AROWHENUA	2369000 5646100	Plains	14
J39036	Jail & public pound	.7082	Local Purpose Reserve	LOT2 DP2779 PT SEC 132 SEC 133, 134, 137, 138, 147, 148	II PATITI XI AROWHENUA	2371025 5643666	Plains	14
J39041	Railway	.1272	Government purpose railway reserve	PT SEC 78,79,80,81	II PATITI	2371352 5642803	Plains	14
J39050	Education	.2180	Government Purpose Education Reserve	RES 4684	X AROWHENUA	2263052 5629301	Waitaki	14
J39059	River protection	12.9499	Local Purpose Soil Conservation Reserve	RES 3571	XIII PAREORA	2346004 5647235	Pareora	14
J39060	River protection	6.8796	Local Purpose Soil Conservation Reserve	RES 3572	XIII PAREORA	2346747 5647166	Pareora	14
J39065	River protection	10.9265	Local Purpose Soil Conservation Reserve	RES 3573	XIII PAREORA	2347530 5646600	Pareora	14
J39066	River protection	18.2108	Local Purpose Soil Conservation Reserve	RES 3574	XIII PAREORA	2348435 5646269	Pareora	14
J39067	River protection	2.8328	Local Purpose Soil Conservation Reserve	RES 3575	XIII PAREORA	2349400 5646000	Pareora	14
J39068	River conservation	14.9733	Local Purpose Soil Conservation Reserve	RES 3576	XIII PAREORA	2349830 5645202	Pareora	14
J39070	Conservation area adj Motukaika River	2.8300	Section 62, Conservation Act		XIII PAREORA	2349052 5644159	Pareora	14
J39071	River protection	14.1640	Local Purpose Soil Conservation Reserve	RES 3577	XIII,XIV PAREORA	2350298 5644052	Pareora	14
J39076	Conservation area	10.0000	Section 62, Conservation Act	RS 38083,38084	II,III OTAIO	2355406 5642235	Pareora	14
J39077	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND	III OTAIO	2356415 5641886	Pareora	14
J39079	Conservation area	3.2374	Section 62, Conservation Act	CROWN LAND	III OTAIO	2356534 5641669	Pareora	14
J39081	Pt Pareora riverbed	9.5000	Section 62, Conservation Act	CROWN LAND	III OTAIO	2357301 5640806	Pareora	14
J39085	Transferred road	.3500	Section 62, Conservation Act	CROWN LAND	IV NIMROD	2340570 5639525	Pareora	14
J39086	Conservation area	1.0900	Section 62, Conservation Act	PT RES 3242	IV NIMROD	2340658 5638884	Pareora	14

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
J39088	Gravel	.2023	Local Purpose Gravel Reserve	RES 3866	VIII NIMROD	2347639 5618110	Pareora	14
J39089	Gravel	.4046	Local Purpose Gravel Reserve	RES 3872	VIII NIMROD	2345318 5636257	Pareora	14
J39093	Gravel	.4046	Local Purpose Gravel Reserve	RES 3868	V OTAIO	2347123 5635328	Pareora	14

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J39094	Gravel	.4046	Local Purpose Gravel Reserve	RES 3867	VIII NIMROD	2345036 5634701	Pareora	14
J39097	Conservation area Pareora River mouth	85.0000	Section 62, Conservation Act	PT RES 640	III,IV PATITI	2367506 5632689	Plains	14
J39098	River protection	.9105	Local Purpose Soil Conservation Reserve	RES 3511	IV PATITI	2366395 5633341	Plains	14
J39100	Conservation area adj Otaio River	1.5000	Section 62, Conservation Act		VI,X OTAIO	2350695 5633220	Pareora	14
J39101	Gravel pit	3.3386	Local Purpose Gravel Reserve	RES 3523	X OTAIO	2354939 5631771	Pareora	14
J39104	Conservation area adj Otaio River	5.6656	Section 62, Conservation Act	CROWN LAND	XI OTAIO	2359431 5629402	Plains	14
J39107	Conservation area Otaio River mouth	.3000	Section 62, Conservation Act	CROWN LAND	XVI OTAIO	2365215 5627333	Plains	14
J39108	River conservation	3.6295	Local Purpose Soil Conservation Reserve	PT RES2857	XVI OTAIO	2365504 5627325	Plains	14
J39109	Rifle range	6.8796	Local Purpose Reserve	RES 3755 SO 1283	XVI OTAIO	2365350 5626978	Plains	14
J39110	Cemetery	3.9254	Local Purpose Cemetary Reserve	RES2556	XVI OTAIO	2365401 5626667	Plains	14
J39129	Transferred road	1.0220	Section 62, Conservation Act		IV NIMROD	2340481 5639081	Pareora	14
J39130	Transferred road	.3060	Section 62, Conservation Act		IV NIMROD	2340405 5639222	Pareora	14
J39133	Pt Otaio beach walkway	.5463	Section 62, Conservation Act	SEC 9	XVI OTAIO	2365156 5627213	Plains	14
J39138	Pareora River marginal strip	1.8000	Marginal Strip	ADJ RS 38083 38084	II III OTAIO	2355389 5642377	Pareora	14
J39139	Otaio River marginal strip	3.2000	Marginal Strip	ADJ RS 38152	VI X OTAIO	2351383 5633706	Pareora	14
J39140	Otaio River marginal strip	3.2000	Marginal Strip	ADJ RS 38143	XI OTAIO	2358767 5630003	Plains	14
J39141	Timaru harbour marginal strip	6.0000	Marginal Strip	ADJ RS 412191	XI AROWHENUA	2370800 5644700	Plains	14
J39142	White Rock River marginal strp	.8000	Marginal Strip	ADJ SEC 1 SO 18694	XVI OPAWA	2342200 5644800	Pareora	14
J39144	Makikihi River marginal strip	4.0000	Marginal Strip	ADJ SEC 12 3 4 5 6 7 SO 18807	III WAIMATE	2357555 5620254	Plains	14
J40007	General govt buildings	.1011	Government Purpose Reserve	RES 4406	IV WAIMATE	2363900 5618000	Plains	14
J40008	Conservation area Makikihi River mouth	4.0000	Section 62, Conservation Act	ADJ LOT 1 DP 866	VIII WAIMATE	2363776 5618389	Plains	14
J40013	Foreshore	58.0000	Section 62, Conservation Act		VIII,XII,XVI, WAIMATE	2364072 5610201	Plains	14
J40017	Quarry	8.0937	Local Purpose Gravel Reserve	RES 1998	II WAITAKI	2352624 5602644	Pareora	14
J40019	River conservation	3.3513	Local Purpose Soil Conservation Reserve	RES2780	XIV WAIMATE	2355460 5605091	Pareora	14
J40020	River conservation	.5058	Local Purpose Soil Conservation Reserve	RES2861	XIV WAIMATE	2355300 5605425	Pareora	14
J40022	Knottingley Park rec reserv	63.6479	Recreation Reserve	RS 41093, 41094 SO 14943	XIV,XV WAIMATE	2356281 5605153	Plains	14
J40026	Camping and recreation	.6070	Recreation Reserve	RES 3838	XVI WAIMATE	2364424 5606176	Plains	14
J40027	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 815	III WAITAKI	2358166 5601590	Plains	14

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J40028	Gravel pit	2.0234	Local Purpose Gravel Reserve	LOT 12 DP 1205	III WAITAKI	2359802 5602331	Plains	14
J40030	River conservation	2.3900	Local Purpose Soil Conservation Reserve	RS 41962	III WAITAKI	2359571 5600207	Plains	14
J40031	River protection	1.6187	Local Purpose Soil Conservation Reserve	RES2688	IV WAITAKI	2362100 5599500	Plains	14
J40032	Conservation area	13.1900	Section 62, Conservation Act	LOT 3 DP 38836 RS 40872	IV WAITAKI	2362920 5600709	Plains	14
J40037	Rec reserve	.8093	Recreation Reserve	RES 3473	VII ELEPHANT HILL	2339388 5597208	Pareora	14
J40048	Water race	.7891	Local Purpose Reserve	RES 3478	IX WAITAKI	2351374 5591785	Plains	14
J40051	Pt Morven rec reserve	51.2745	Recreation Reserve	RS 41084	VII WAITAKI	2360760 5594495	Plains	14
J40060	Pt Morven rec reserve	2.7700	Recreation Reserve	SEC 6	VII WAITAKI	2360734 5596776	Plains	14
J40061	General govt buildings	.1745	Government Purpose Government Buildings Reserve	PT RES 3451	VII WAITAKI	2360458 5597032	Plains	14
J40063	Pt Morven rec reserve	.8144	Recreation Reserve	RES 4934 SO 1463	VII WAITAKI	2360470 5596747	Plains	14
J40069	Local govt buildings	.4070	Local Purpose Reserve	SEC 610 TN OF WAIMATE	XIV WAIMATE	2355100 5606100	Plains	14
J40076	Conservation area adj Waimate Creek	.8100	Section 62, Conservation Act	CROWN LAND	XIV WAIMATE	2355000 5605700	Plains	14
J40077	River conservation	.4046	Local Purpose Soil Conservation Reserve	RES2860	XIV WAIMATE	2355300 5605300	Plains	14
J40087	Conservation area Waitaki riverbed	45.0000	Section 62, Conservation Act	CROWN LAND	III AWAMOKO	2333783 5590585	Waitaki	14
J40090	Waihao River marginal strip	3.2000	Marginal Strip	ADJ LOT 7 DP27281	III VII VIII WAIHAO	2340800 5617500	Waitaki	14
J40095	Makikihi River marginal strip	1.6000	Marginal Strip	ADJ SEC 13	II WAIMATE	2351638 5619536	Pareora	14
J40096	Makikihi River marginal strip	1.3000	Marginal Strip	ADJ SEC 15 ADJ LOT2 DP 12176	II WAIMATE	2352582 5619353	Pareora	14
J40097	Makikihi River marginal strip	3.4000	Marginal Strip	ADJ LOT2 DP 12176 SEC 14 16	ADJ II WAIMATE	2352597 5619435	Pareora	14
J40098	Waitaki River marginal strip	6.4000	Marginal Strip	ADJ RS 37557	V IX ELEPHANT HILL	2352500 5592500	Waitaki	14
J40099	Waihao River marginal strip	.7000	Marginal Strip	ADJ SEC 13	I WAITAKI	2350000 5599000	Pareora	14
J41003	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2225	XIII WAITAKI	2351688 5588690	Plains	13
J41007	River conservation	6.7784	Local Purpose Soil Conservation Reserve	RES2836,2835	XV WAITAKI	2363306 5584315	Plains	13
J41009	Conservation area Waitaki riverbed	191.8000	Section 62, Conservation Act	CROWN LAND	I,II AWAMOKO	2337540 5589133	Plains	13
J41012	Island in Waitaki riverbed	240.0000	Section 62, Conservation Act	CROWN LAND	XI ELEPHANT HILL XVI WAITAKI	2344870 5588677	Plains	13
J41013	Conservation area Waitaki riverbed	94.0000	Section 62, Conservation Act	CROWN LAND	I AWAMOKO VI PAPAKAIO	2346023 5587471	Plains	13
J41014	Conservation area Waitaki riverbed	3.2375	Section 62, Conservation Act	CROWN LAND	XVI WAITAKI	2348701 5587506	Plains	13
J41017	Conservation area Waitaki Riverbed	41.5000	Section 62, Conservation Act	CROWN LAND	VII PAPAKAIO	2352676 5585837	Plains	13

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J41018	Conservation area Waitaki Riverbed	144.0000	Section 62, Conservation Act	ADJ RS 24912	XIII,XIV WAITAKI	2357717 5585792	Plains	13
J41019	Conservation area Waitaki Riverbed	84.8000	Section 62, Conservation Act	CROWN LAND	VII PAKAKAIO	2356167 5585393	Plains	13
J41024	Railway land	.1568	Section 62, Conservation Act	CROWN LAND	VIII PAKAKAIO	2360100 5585000	Plains	13
J41025	Conservation area	2.5000	Section 62, Conservation Act	SEC 7	XV WAITAKI	2363466 5584605	Plains	13
J41026	Conservation area	25.0000	Section 62, Conservation Act	CROWN LAND	VI PAKAKAIO	2351124 5586275	Plains	13
K33001	Conservation area Arthur's Pass village	1.3800	Section 62, Conservation Act	PT RES 386 PT RES 386 @ SEC 15 CROWN SCHEME 36A	VI BEALEY	2392500 5807000	Waimakariri	3
K33003	Arthur's Pass township	.6400	Section 62, Conservation Act	PT RES 386		2392600 5806900	Waimakariri	3
K33009	Conservation area Arthur's Pass village	.6830	Section 62, Conservation Act	PT RES 386 PT SEC 123	VI,X BEALEY X BEALEY	2392700 5805800	Waimakariri	3
K33013	Conservation area Arthur's Pass township	.2267	Section 62, Conservation Act	SEC 129,133,131	VI BEALEY	2392700 5806200	Waimakariri	3
K33014	Road reserves	7.0000	Section 62, Conservation Act	CROWN LAND	XII BEALEY IX HAWDON	2409087 5803040	Waimakariri	3
K34009	Conservation area	1.2671	Section 62, Conservation Act	PT RES 394	XIV BEALEY	2396812 5797362	Waimakariri	3
K34014	Conservation area adj Waimakariri River	35.0000	Section 62, Conservation Act	CROWN LAND	XVI BEALEY	2404232 5797807	Waimakariri	3
K34015	Gravel pit	58.6794	Local Purpose Gravel Reserve	RES 4451	XVI BEALEY	2405127 5799064	Waimakariri	3
K34037	Castle Hill village marginal strip	7.5000	Marginal Strip	ADJ RS 40841	XVI HARPER	2406167 5776506	Waimakariri	3
K35001	Conservation area	265.0000	Section 62, Conservation Act	CROWN LAND	V,VI,VII OAKDEN	2375962 5769537	Rangitata	7
K35002	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND	VI GLENROCK	2379812 5764244	Rangitata	7
K35003	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES2798	IX OAKDEN	2384938 5764594	Waimakariri	7
K35004	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES2799	IX OAKDEN	2385969 5763731	Waimakariri	7
K35005	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES 2800	IX COLERIDGE	2387485 5763010	Waimakariri	7
K35006	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES2801	IX COLERIDGE	2388515 5762894	Waimakariri	7
K35007	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES2802	IX COLERIDGE	2389600 5762174	Waimakariri	7
K35012	Youth holiday and rec. building	1.8896	Recreation Reserve	RES 5268	VIII COLERIDGE	2403707 5765459	Waimakariri	7
K35014	Closed road	.9129	Section 62, Conservation Act	CROWN LAND	XI GLENROCK	2387433 5757309	Rangitata	7
K35016	Conservation area	2.0234	Section 62, Conservation Act	CROWN LAND	XIV COLERIDGE	2395400 5757600	Waimakariri	7
K35019	Conservation area	.2122	Section 62, Conservation Act	CROWN LAND	IV HUTT	2395595 5749567	Rangitata	7
K35020	Conservation area	45.0000	Section 62, Conservation Act	CROWN LAND	IV,VI,VII HUTT	2397318 5749132	Waimakariri	7
K35021	Water hole	16.1874	Local Purpose Reserve	RES 2218	IV FIGHTING HILL	2399762 5748966	Puketeraki	7
K35022	Gravel pit	.4046	Local Purpose Gravel Reserve	RES 3529	II FIGHTING HILL	2402372 5750808	Puketeraki	7
K35023	Gravel pit	.4046	Local Purpose Gravel Reserve	RES 3530	III FIGHTING HILL	2404953 5751792	Puketeraki	7

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K35025	Conservation area	.4000	Section 62, Conservation Act	CROWN LAND	I HORORATA	2409029 5751289	Puketeraki	7
K35026	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2207	IV FIGHTING HILL	2400408 5747143	Puketeraki	7
K35042	Conservation area	4925.0242	Section 62, Conservation Act	CROWN LAND SO11313	I, II, V, VI KOWAI IV, VII, VIII, XI COLERIDGE	2406424 5769400	Waimakariri	7
K35046	Conservation area	5.0300	Section 62, Conservation Act	CROWN LAND SO 17121	VI,VII OAKDEN	2377903 5767576	Rangitata	7
K35048	Conservation area	6.0360	Section 62, Conservation Act	CROWN LAND SO 17121	IX COLERIDGE IX OAKDEN	2387363 5761162	Waimakariri	7
K35050	Acheron River marginal strip	3.6000	Marginal Strip	ADJ RS 38130	XV XIV COLERIDGE	2397434 5756250	Waimakariri	7
K35051	Acheron River marginal strip	2.2000	Marginal Strip	ADJ RS 38132	XIV COLERIDGE I FIGHTING HILL	2396700 5755300	Waimakariri	7
K35052	Acheron River marginal strip	3.5000	Marginal Strip	ADJ RS 38133	I II COLERIDGE I FIGHTING HILL	2395633 5755338	Waimakariri	7
K35053	Rakaia River marginal strip	10.0000	Marginal Strip	ADJ RS 38133 38134	I II IV FIGHTING HILL	2396882 5752284	Waimakariri	7
K35054	Ben More marginal strip	.5000	Marginal Strip	ADJ RUN 319	IX KOWAI	2408904 5764585	Puketeraki	7
K35055	Ben More marginal strip	1.0000	Marginal Strip	ADJ RUN 319	IX KOWAI	2409117 5764616	Puketeraki	7
K35056	Ben More marginal strip	2.1000	Marginal Strip	ADJ RUN 319	IX KOWAI	2409680 5765097	Puketeraki	7
K35057	Ben More marginal strip	1.2000	Marginal Strip	ADJ RUN 319	IX HORORATA	2409701 5764958	Puketeraki	7
K35058	Bush Stream marginal strip	6.6000	Marginal Strip	ADJ RS 37956	I HORORATA	2407853 5753543	Puketeraki	7
K35059	Bush Stream marginal strip	4.2000	Marginal Strip	ADJ RS 37848 37992	I HORORATA	2408601 5752340	Puketeraki	7
K35060	High Peak Road marginal strip	.7000	Marginal Strip	ADJ RS 37997	III FIGHTING HILL I HORORATA	2407355 5751011	Puketeraki	7
K35061	High Peak Road marginal strip	.8000	Marginal Strip	ADJ RS 37849	III FIGHTING HILL I HORORATA	2407353 5751101	Puketeraki	7
K35062	High Peak Road marginal strip	.4000	Marginal Strip	ADJ RS 37998	I HORORATA	2407638 5750905	Puketeraki	7
K35063	High Peak Road marginal strip	.5000	Marginal Strip	ADJ RS 37999	I HORORATA	2407667 5750958	Puketeraki	7
K35064	Rakaia River marginal strip	4.0000	Marginal Strip	ADJ RS 38883	X HUTT	2401308 5741224	Plains	7
K35065	Rakaia River marginal strip	4.0000	Marginal Strip	ADJ RS 40287	VII FIGHTING HILL	2404300 5739981	Plains	7
K35066	Rakaia River marginal strip	2.2000	Marginal Strip	ADJ RS 40287	VII FIGHTING HILL	2406000 5740700	Plains	7
K35067	Rakaia River marginal strip	7.0000	Marginal Strip	ADJ RUN 266	II HUTT	2393621 5754849	Waimakariri	7
K36004	Conservation area	.8000	Section 62, Conservation Act	CROWN LAND	I SPAXTON	2390566 5728728	Plains	7
K36013	Transferred road	21.7300	Section 62, Conservation Act	CROWN LAND	II,III,VI,VII ALFORD	2376372 5732435	Rangitata	7
K36016	Conservation area	3.0000	Section 62, Conservation Act	CROWN LAND	V ALFORD	2371519 5727357	Rangitata	7
K36017	Conservation area	79.3860	Section 62, Conservation Act	RS 41770,41771 SO 15959	V,VI ALFORD	2372485 5727903	Rangitata	7
K36018	Conservation area	.8000	Section 62, Conservation Act	RS 36981	VI ALFORD	2373187 5728200	Plains	7
K36019	Gravel	.2023	Local Purpose Gravel Reserve	RES 3363	X ALFORD	2373256 5725773	Plains	7

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K36063	Gravel res.	.2023	Local Purpose Gravel Reserve	RES 3364	X ALFORD	2374196 5725131	Plains	7
K36065	Gravel res.	.2023	Local Purpose Gravel Reserve	RES 3365	X ALFORD	2375678 5724229	Plains	7
K36067	Gravel res.	.2023	Local Purpose Gravel Reserve	RES 3366	X ALFORD	2377302 5723594	Plains	7
K36069	Gravel res.	.2023	Local Purpose Gravel Reserve	RES 3367	XI ALFORD	2378683 5722836	Plains	7
K36076	Gravel Reserve	.4046	Local Purpose Reserve	RES 3370	XVI ALFORD	2383700 5720500	Plains	7
K36086	Conservation area	.5000	Section 62, Conservation Act	CROWN LAND	IX SPAXTON	2390259 5722168	Plains	7
K36088	Conservation area	.4046	Section 62, Conservation Act	CROWN LAND	X SPAXTON	2393117 5723183	Plains	7
K36097	Gravel reserve	2.0234	Local Purpose Gravel Reserve	RES 1007	XIV SPAXTON	2394233 5718609	Plains	7
K36100	Gravel reserve	2.0234	Local Purpose Gravel Reserve	PT RS 19533	XV SPAXTON	2402377 5718090	Plains	7
K36102	Conservation area	3.2374	Section 62, Conservation Act	PT RS28276	VII CORWAR	2409122 5720528	Plains	7
K36106	Pt Sth.Branch Hinds River	2.2000	Section 62, Conservation Act	CROWN LAND	II SHEPHERDS BUSH	2374933 5713815	Plains	7
K36119	Conservation area adj Sth Branch Ashburton/Hakatere River	5.0000	Section 62, Conservation Act	CROWN LAND	XIII SPAXTON	2391695 5717327	Plains	7
K36155	Exchange	.4000	Government Purpose Reserve	LOT 1 DP 49629	VII SPAXTON	2400800 5729800	Plains	7
K36160	Taylors Stream marginal strip	.2000	Marginal Strip	ADJ RS 38165	IV ALFORD	2385296 5732841	Rangitata	7
K36161	Bowyers Stream marginal strip	4.8000	Marginal Strip	ADJ LOT 1 DP 18982 ADJ LOT2 DP 18983 ADJ SEC2 3	VIII ALFORD	2383421 5729651	Rangitata	7
K36162	Bowyers Stream marginal strip	4.7000	Marginal Strip	ADJ SEC2 3 12 ADJ LOT2 DP 18983 ADJ LOT 1 DP 18983	VIII ALFORD	2383444 5729785	Rangitata	7
K36163	Stour River marginal strip	6.0000	Marginal Strip	ADJ RS 41692	V ALFORD	2370678 5729136	Rangitata	7
K36164	Pudding Hill stream marginal strip	1.0000	Marginal Strip	ADJ RS 41316 ADJ LOT 1 DP 44103	I SPAXTON	2392076 5732209	Plains	7
K36165	Bowyers Stream marginal strip	.7000	Marginal Strip	ADJ RS 37781	XII ALFORD	2384385 5724237	Plains	7
K36166	Bowyers Stream marginal strip	.7000	Marginal Strip	ADJ RS 37782	XII ALFORD	2384469 5723915	Plains	7
K36167	Bowyers Stream marginal strip	1.0000	Marginal Strip	ADJ RS 37780	XII ALFORD	2384952 5723592	Plains	7
K36168	Buccluch marginal strip	.6000	Marginal Strip	ADJ RS 39355	XII ALFORD	2384848 5723547	Plains	7
K36169	Sth Branch Ashburton.Hakatere River marginal strip	.7000	Marginal Strip	ADJ RS 38368	XV ALFORD	2381737 5719401	Plains	7
K36170	Sth Branch Ashburton/Hakatere River marginal strip	6.0000	Marginal Strip	ADJ RS 38369 38371 38372	XV XVI ALFORD	2383287 5718212	Plains	7
K36171	Ashburton/Hakatere River marginal strip	10.0000	Marginal Strip	ADJ RS 41389	III VII WESTERFIELD	2399787 5711718	Plains	7
K36172	Sth Branch Ashburton/Hakatere River marginal strip	2.7000	Marginal Strip	ADJ RS 41389	III VII WESTERFIELD	2400029 5711843	Plains	7
K36173	Sth Branch Ashburton/Hakatere River marginal strip	2.7000	Marginal Strip	ADJ RS 41387 41388	III VII WESTERFIELD	2400073 5711822	Plains	7

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K36174	Sth Branch Ashburton/Hakaterere River marginal strip	7.0000	Marginal Strip	ADJ RS 41612	VII WESTERFIELD	2400471 5710775	Plains	7
K36175	Sth Branch Ashburton/Hakaterere River marginal strip	2.1000	Marginal Strip	ADJ RS 41612	VII WESTERFIELD	2400500 5710800	Plains	7
K36176	Sth Branch Ashburton/Hakaterere River marginal strip	2.1000	Marginal Strip	ADJ RS 41611	VII WESTERFIELD	2400600 5710800	Plains	7
K36177	Nth Branch Ashburton/Hakaterere River marginal strip	2.8000	Marginal Strip	ADJ RS 40887 40993	III WESTERFIELD	2402300 5712500	Plains	7
K36178	Nth Branch Ashburton/Hakaterere River marginal strip	2.8000	Marginal Strip	ADJ RS 19087 10436 40994 41954 ADJ LOT 1 DP 7232 ADJ LOT2 DP 38671	III WESTERFIELD	2402300 5712500	Plains	7
K36179	Sth Ashburton/Hakaterere River marginal strip	.5000	Marginal Strip	ADJ PT RES2765 SO 18785	III WESTERFIELD	2399357 5712628	Plains	7
K36180	Sth Ashburton/Hakaterere River marginal strip	2.0000	Marginal Strip	ADJ PT RES2766 SO 18785 ADJ CROWN LAND	VII WESTERFIELD VII WESTERFIELD	2401000 5710500	Plains	7
K37007	Green Street rec reserve	.8010	Recreation Reserve	RES 4893 LOT 1 DP 11740	VII WESTERFIELD	2402775 5709948	Plains	12
K37018	Gravel	2.0234	Local Purpose Gravel Reserve	RES2455	VIII SHEPHERDS BUSH	2386950 5707411	Plains	12
K37073	Conservation area pt Rangitata Riverbed	8.0000	Section 62, Conservation Act	CROWN LAND	II ORARI	2370793 5701345	Rangitata	12
K37084	Argyle park	4.3377	Recreation Reserve	LOT 187 DP235	IX ASHBURTON	2409096 5702044	Plains	12
K37093	Conservation area adj Rangitata River	30.5000	Section 62, Conservation Act	PT RES 164	II,IV ORARI	2370983 5700322	Rangitata	12
K37104	Conservation area	.4046	Section 62, Conservation Act	CH RS 834	IV ORARI	2370173 5698459	Rangitata	12
K37111	Gravel	2.0234	Local Purpose Gravel Reserve	RES2456	XV WESTERFIELD	2399126 5698449	Plains	12
K37114	Tinwald Domain	96.9224	Recreation Reserve	RS 41345, 41346, 41244, 41245 RS 41347	XVI WESTERFIELD	2406043 5697700	Plains	12
K37119	Gravel	.8093	Local Purpose Gravel Reserve	RES 3030	XVI WESTERFIELD	2405201 5697171	Plains	12
K37142	Conservation area adj Rangitata River	7.5000	Section 62, Conservation Act	CROWN LAND	IV,VI ORARI	2372500 5694476	Plains	12
K37150	Gravel	1.4771	Local Purpose Gravel Reserve	RES2432	IV HINDS	2404963 5696314	Plains	12
K37162	Volunteer drill shed	.2074	Local Purpose Reserve	RES2540	XIII ASHBURTON	2409100 5700000	Plains	12
K37163	School purposes	1.4164	Government Purpose Education Reserve	RES 1833	XIII ASHBURTON	2409100 5699700	Plains	12
K37165	Govt purposes	.1254	Government Purpose Reserve	PT LOT 1 DP 11591	XIII ASHBURTON	2409500 5699800	Plains	12
K37166	Municipal	.2029	Local Purpose Reserve	RES 769 SEC 1276	XIII ASHBURTON	2409500 5699700	Plains	12
K37169	Railway Purposes	2.8241	Government Purpose Reserve	PT RES 1923 PT RES299A PT RES299 LOT 1, DP 36555 LOT 1, DP 12862	XIII ASHBURTON	2408800 5699300	Plains	12
K37172	Digby Park	1.2642	Recreation Reserve	SECS 683,1271	XIII ASHBURTON	2410000 5699300	Plains	12
K37175	Robilliard Park	9.3981	Recreation Reserve	PT RS 40466 SO 13579 RS 40467 SO 13627	XIII ASHBURTON	2309300 5698500	Plains	12
K37183	Conservation area adj res 3540	1.0000	Section 62, Conservation Act	CROWN LAND	XIII ASHBURTON	2409728 5697770	Plains	12

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K37215	Gravel	.4046	Local Purpose Gravel Reserve	RES2824	II HINDS	2396795 5692849	Plains	12
K37224	Cemetery	1.3329	Local Purpose Cemetery Reserve	RES2964	VI ORARI	2372314 5690701	Plains	12
K37241	Gravel	1.0116	Local Purpose Gravel Reserve	RES 3103	VI HINDS	2393886 5689517	Plains	12
K37244	Gravel	1.0116	Local Purpose Gravel Reserve	RES 3104	VI HINDS	2394119 5688852	Plains	12

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
K37249	Govt buildings	.0288	Government Purpose Government Buildings Reserve	PT RES 4067	VI HINDS	2395400 5888400	Plains	12
K37291	River conservation	53.7422	Local Purpose Soil Conservation Reserve	RES2880	IX HINDS I KAPUNATIKI	2385080 5681480	Plains	12
K37292	Public buildings	.5134	Government Purpose Government Buildings Reserve	RES 3097	IV GERALDINE	2379727 5681353	Plains	12
K37299	River conservation	15.7827	Local Purpose Soil Conservation Reserve	RES 2891	IV GERALDINE	2381823 5679921	Plains	12
K37308	Conservation area adj Hinds River	.5082	Section 62, Conservation Act	CROWN LAND	VIII SHEPHERDS BUSH	2383747 5709645	Plains	12
K37315	Rec reserve	12.3200	Recreation Reserve	RS 40630 RS 40632		2409064 5698667	Plains	12
K37317	Govt purpose (railway)	.8093	Government purpose railway reserve	PT RES 1924	VI HINDS	2396112 5689335	Plains	12
K37321	Conservation area adj pt res2833	2.5000	Section 62, Conservation Act	CROWN LAND	II GERALDINE	2370491 5683943	Pareora	12
K37322	Conservation area adj r.s.25912	.2023	Section 62, Conservation Act	CROWN LAND	XI WAKANUI	2409346 5680263	Plains	12
K37325	Conservation area	5.0000	Section 62, Conservation Act	PT RES 1627 SO 17123	VI ORARI	2373350 5691167	Plains	12
K37326	Rangitata River marginal strip	3.3000	Marginal Strip	ADJ RS 37608	I RANGITATA	2373380 5694115	Plains	12
K37327	Arundel marginal strip	.4000	Marginal Strip	ADJ RS 41293	I IV RANGITATA	2374258 5691324	Plains	12
K37328	Rangitata River marginal strip	5.7000	Marginal Strip	ADJ RS 40847	VII RANGITATA	2381127 5683571	Plains	12
K37329	Rangitata River marginal strip	4.0000	Marginal Strip	ADJ RS 37663	VII VIII RANGITATA	2383524 5682350	Plains	12
K37330	Nth Branch Ashburton/Hakaterere River marginal strip	.8000	Marginal Strip	ADJ RS 38892	VIII WESTERFIELD	2405126 5708112	Plains	12
K37331	Nth Branch Ashburton/Hakaterere River marginal strip	5.0000	Marginal Strip	ADJ LOT 1 DP 35823	VIII WESTERFIELD	2405382 5707602	Plains	12
K37332	Nth Branch Ashburton/Hakaterere River marginal strip	1.4000	Marginal Strip	ADJ RS 40885	XII WESTERFIELD	2406455 5706597	Plains	12
K38005	River conservation	96.8210	Local Purpose Soil Conservation Reserve	RES 2887	VIII GERALDINE	2383826 5677692	Plains	12
K38006	River conservation	108.4557	Local Purpose Soil Conservation Reserve	RES 2883	II KAPUNATIKI	2387422 5677351	Plains	12
K38010	Plantation	2.2257	Local Purpose Plantation Reserve	RES2853	VII GERALDINE	2378174 5676557	Plains	12
K38011	Education (plantation)	2.0234	Government Purpose Education Reserve	RES 1058	VII GERALDINE	2377819 5676311	Plains	12
K38012	River conservation	54.6325	Local Purpose Soil Conservation Reserve	RES 2898	VIII GERALDINE	2383113 5676261	Plains	12
K38017	River conservation	12.5452	Local Purpose Soil Conservation Reserve	RES 2893	VIII.XII GERALDINE	2383979 5675334	Plains	12
K38020	River conservation	7.3855	Local Purpose Soil Conservation	RES 2894	VIII GERALDINE	2384452 5675504	Plains	12

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
			Reserve					

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
K38021	River conservation	15.3780	Local Purpose Soil Conservation Reserve	RES 2890	III KAPUNATIKI	2385947 5674348	Plains	12
K38023	River conservation	199.9147	Local Purpose Soil Conservation Reserve	RES 2881	XIII COLDSTREAM II,III KAPUNATIKI IX RANGITATA	2389193 5676263	Plains	12
K38027	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 1062	X GERALDINE	2373302 5673153	Plains	12
K38029	River conservation	6.4749	Local Purpose Soil Conservation Reserve	RES 2900	XII GERALDINE	2384030 5674382	Plains	12
K38030	River conservation	23.0670	Local Purpose Soil Conservation Reserve	RES 2895	XII GERALDINE III KAPUNATIKI	2384746 5673471	Plains	12
K38031	River conservation	180.4898	Local Purpose Soil Conservation Reserve	RES 2747	III KAPUNATIKI	2387113 5672064	Plains	12
K38033	Gravel pit	2.1144	Local Purpose Gravel Reserve	RES2645, LOTS 1,2,	XI GERALDINE	2376611 5673165	Plains	12
K38037	River conservation	11.0276	Local Purpose Soil Conservation Reserve	RES2749	III KAPUNATIKI	2385500 5672500	Plains	12
K38038	River conservation	54.4302	Local Purpose Soil Conservation Reserve	RES 2746	III KAPUNATIKI	2385321 5675962	Plains	12
K38040	River conservation	9.7124	Local Purpose Soil Conservation Reserve	RES2896	III KAPUNATIKI	2386125 5671474	Plains	12
K38041	River conservation	11.7358	Local Purpose Soil Conservation Reserve	RES2897	III KAPUNATIKI	2388074 5670233	Plains	12
K38042	Conservation area pt Rangitata Riverbed	20.0000	Section 62, Conservation Act		III KAPUNATIKI	2388837 5670577	Plains	12
K38043	River conservation	86.6027	Local Purpose Soil Conservation Reserve	RES2882	IV COLDSTREAM III,IV KAPUNATIKI	2390478 5669350	Plains	12
K38045	River conservation	37.0287	Local Purpose Soil Conservation Reserve	RES 2750	III,IV KAPUNATIKI	2389088 5669696	Plains	12
K38046	Conservation area Rangitata River mouth	21.4483	Section 62, Conservation Act	CROWN LAND	IV KAPUNATIKI	2389890 5668189	Plains	12
K38047	River conservation	13.7593	Local Purpose Soil Conservation Reserve	RES 2889	VIII GERALDINE II KAPUNATIKI	2385040 5675219	Plains	12
K38057	Gravel	1.9103	Local Purpose Gravel Reserve	RES 4221	XIV GERALDINE	2371365 5664360	Plains	12
K38058	Conservation area	2.0000	Section 62, Conservation Act	PT SEC 6	III,IV AROWHENUA	2380127 5663404	Plains	12
K38069	Conservation area adj RS2950	1.0000	Section 62, Conservation Act	CROWN LAND	III AROWHENUA	2376101 5659755	Plains	12
K38079	Taumatakahu rec reserve	6.9088	Recreation Reserve	SEC 936 940 943 948 949	II AROWHENUA	2373400 5661500	Plains	12
K38082	Public gardens	.5563	Local Purpose Reserve	RES 3011,3012	II AROWHENUA	2374000 5661400	Plains	12
K38087	Pt Tamatakahu rec reserve	.5280	Recreation Reserve	SEC 949	II AROWHENUA	2374100 5661200	Plains	12
K38097	Cemetery	7.4598	Local Purpose Cemetary Reserve	RES 857 PT RES2558	II AROWHENUA	2374400 5660700	Plains	12
K38105	Railway conservation	3.5410	Government Purpose Railway Reserve	RES 2724	II AROWHENUA	2372399 5660009	Plains	12
K38108	Railway conservation	47.3482	Government	RES 2725	II,VI AROWHENUA	2371997	Plains	12

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
				Purpose Railway Reserve		5659019		

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
K38117	River conservation	2.0234	Local Purpose Soil Conservation Reserve	RES2855	II AROWHENUA	2371495 5661376	Plains	12
K38127	Pt Milford Lagoon	.4198	Section 62, Conservation Act	PT RS 12891 SO 17124	VII AROWHENUA	2378791 5657743	Plains	12
K38128	Hae Hae te Moana River marginal strip	.8000	Marginal Strip	ADJ SEC 13	XIV GERALDINE	2370100 5665000	Plains	12
K38129	Temuka marginal strip	2.3000	Marginal Strip	ADJ RS 40869	II AROWHENUA	2371771 5660789	Plains	12
K38130	Longbeach marginal strip	.8000	Marginal Strip	ADJ RS 38903	XVI HINDS	2404198 5677293	Plains	12
K38131	Orari River marginal strip	.8000	Marginal Strip	ADJ RS 38303 ADJ LOT 1 DP28731	VI GERALDINE	2373037 5675858	Plains	12
K38132	Dobie Stream maginal strip	.2000	Marginal Strip	ADJ CROWN LAND SO 18784	GERALDINE	2371500 5665500	Plains	12
K38133	Conservation area	.0945	Section 62, Conservation Act	LOT 5 DP 57121	VI AROWHENUA	2371400 5658800	Plains	12
L32006	Camp site	3.5915	Local Purpose Reserve	RES 4769	III KATRINE	2437878 5832972	Hurunui	1
L32009	Hurunui River marginal strip	2.2000	Marginal Strip	ADJ RES 115 4769	III KATRINE	2438393 5833307	Hurunui	1
L32010	Hurunui River marginal strip	2.6000	Marginal Strip	ADJ RES 115	III KATRINE	2439499 5833863	Hurunui	1
L32011	Lake Sumner marginal strip	4.4000	Marginal Strip	ADJ RES 115	III KATRINE	2440904 5833855	Hurunui	1
L32012	Loch Katrine marginal strip	6.4000	Marginal Strip	ADJ RUN 142A	IV KATRINE	2444080 5832406	Hurunui	1
L32013	Lake Sumner marginal strip	1.5000	Marginal Strip	ADJ RUN 142A	I NOBLE	2449869 5831445	Hurunui	1
L33004	Camp site	1.080	Local Purpose Reserve	RES 4716, LOT 1, DP 16150	IV NOBLR	2448769 5825300	Hurunui	4
L33010	Hurunui River marginal strip	3.6000	Marginal Strip	ADJ RUN 141	VI VII KATRINE	2436934 5828520	Hurunui	4
L33011	Hurunui River marginal strip	4.6000	Marginal Strip	ADJ RUN 141	VII KATRINE	2439063 5827910	Hurunui	4
L33012	Hurunui River marginal strip	3.6000	Marginal Strip	ADJ RUN 142B	VII KATRINE	2439326 5828040	Hurunui	4
L33013	Hurunui River marginal strip	27.6000	Marginal Strip	ADJ RUN 141	VII VIII XII XVI KATRINE IV NOBLE	2444315 5822988	Hurunui	4
L33014	Sth Branch Hurunui River marginal strip	79.3000	Marginal Strip	ADJ RUN 142B	VII VIII XII KATRINE IV VII NOBLE	2447383 5821442	Hurunui	4
L33015	North Esk River marginal strip	.8000	Marginal Strip	ADJ RUN 141	XVI KATRINE	2444550 5819963	Hurunui	4
L33016	North Esk River marginal strip	3.6000	Marginal Strip	ADJ RUN 141	XVI KATRINE	2443361 5819403	Hurunui	4
L33017	North Esk River marginal strip	9.2000	Marginal Strip	ADJ RUN 141	XV XVI KATRINE	2441358 5818970	Hurunui	4
L33018	Lucy Stream marginal strip	10.6000	Marginal Strip	ADJ RUN 141	XV XVI KATRINE	2442665 5819347	Hurunui	4
L33019	Sth Branch Hurunui River marginal strip	19.2000	Marginal Strip	ADJ RUN 141	XII XVI KATRINE IV VI VII NOBLE	2448960 5820638	Hurunui	4
L33021	Lake Sheppard maginal strip	12.0000	Marginal Strip	ADJ RUN 142A	II NOBLE	2448498 5826847	Hurunui	4
L34011	Pt. Whistler River bed	134.5000	Section 62, Conservation Act	CROWN LAND	VI, VII, XI, XV UPPER ASHLEY	2440708 5785865	Puketeraki	4
L34012	Lees Valley Rec Reserve	6.0702	Recreation Reserve	RES 3970	VIII UPPER ASHLEY	2445800 5886800	Puketeraki	4
L34013	Gravel reserve	.8093	Local Purpose Gravel Reserve	RES 3974	XII UPPER ASHLEY	2443455 5784631	Puketeraki	4

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
L34014	Roadmans Hut site	4.0468	Local Purpose Reserve	RES 3983	V MOUNT THOMAS	2449842 5790043	Puketeraki	4
L34016	Stock resting place	20.2342	Local Purpose Reserve	RES 3981	XII UPPER ASHLEY	2445086 5782957	Puketeraki	4
L34019	Conservation area	3.2000	Section 62, Conservation Act	CROWN LAND PT RS 37084	IV KOWAI	2423699 5771230	Puketeraki	4
L34023	Soil conservation reserve	.9889	Local Purpose Soil Conservation Reserve	RES 5043	IV OXFORD	2447230 5773758	Puketeraki	4
L34026	Coopers Creek crown land	37.6003	Section 62, Conservation Act	RS 37961 PT RS 42115	II III OXFORD	2437642 5773214	Puketeraki	4
L34027	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 2616	III OXFORD	2438056 5772069	Puketeraki	4
L34041	Ashley River/Rakahuri marginal strip	15.0000	Marginal Strip	ADJ SEC 19	III IV VIII UPPER ASHLEY	2442838 5791861	Puketeraki	4
L34042	Ashley River/Rakahuri marginal strip	9.3000	Marginal Strip	ADJ SEC 2 21	III IV UPPER ASHLEY	2442738 5794048	Puketeraki	4
L34043	Ashley River/Rakahuri marginal strip	1.6000	Marginal Strip	ADJ SEC 3	VIII UPPER ASHLEY	2443648 5789623	Puketeraki	4
L34044	Ashley River/Rakahuri marginal strip	7.5000	Marginal Strip	ADJ SEC 3	VIII UPPER ASHLEY	2445449 5788062	Puketeraki	4
L34045	Whistler River marginal strip	7.4000	Marginal Strip	ADJ RUN 298	VI VII UPPER ASHLEY	2438505 5787849	Puketeraki	4
L34046	Whistler River marginal strip	7.4000	Marginal Strip	ADJ RUN 298	VI VII UPPER ASHLEY	2438370 5788026	Puketeraki	4
L34047	Townshend River marginal strip	10.0000	Marginal Strip	ADJ RUN 300	XV XIV UPPER ASHLEY	2438820 5780383	Puketeraki	4
L34048	Townshend River marginal strip	.4000	Marginal Strip	ADJ RUN 300	XIV UPPER ASHLEY	2436518 5780207	Puketeraki	4
L34049	Townshend River marginal strip	4.2000	Marginal Strip	ADJ RUN 300	XIV UPPER ASHLEY	2435545 5779659	Puketeraki	4
L34050	Ashley/Townshend River marginal strip	12.7000	Marginal Strip	ADJ RUN 300 ADJ RS 36848	XV XIV UPPER ASHLEY	2438870 5780233	Puketeraki	4
L34051	Townshend River marginal strip	2.4000	Marginal Strip	ADJ RUN 300	XIV UPPER ASHLEY	2435836 5779713	Puketeraki	4
L34052	Townshend River marginal strip	3.5000	Marginal Strip	ADJ RUN 300	XIV UPPER ASHLEY	2434142 5779003	Puketeraki	4
L34053	Ashley River marginal strip	2.2000	Marginal Strip	ADJ SEC 9	XV UPPER ASHLEY	2440276 5778519	Puketeraki	4
L34054	Ashley Gorge marginal strip	14.6000	Marginal Strip	ADJ RS 36946 ADJ RES 3231	I MAIRAKI IV OXFORD XVI UPPER ASHLEY	2445555 5774586	Puketeraki	4
L35001	Rec.reserve	10.1171	Recreation Reserve	RS 39815	VIII KOWAI	2424250 5770025	Puketeraki	8
L35022	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2630	XI OXFORD	2439527 5765141	Plains	8
L35023	Gravel	1.6996	Local Purpose Gravel Reserve	RES2720	VII OXFORD	2440366 5766450	Plains	8
L35026	River conservation	3.0000	Local Purpose Soil Conservation Reserve	PT RES2714	VII,VIII OXFORD	2442409 5766984	Plains	8
L35028	Pearson Park rec reserve	3.5446	Recreation Reserve	RS 41868	VIII OXFORD	2444326 5767561	Plains	8
L35038	Gravel	2.0234	Local Purpose Gravel Reserve	RES2631	XI OXFORD	2442040 5764274	Plains	8
L35041	Conservation area	3.4803	Section 62, Conservation Act	RS25277	IX MAIRAKI	2447716 5764350	Plains	8
L35044	Govt.purp	31.7708	Government Purpose Reserve	PT RES 1918	X,XI KOWAI	2417195 5763278	Puketeraki	8
L35047	River conservation	59.7000	Local Purpose Soil	RS 41051,41052	XI,XII KOWAI	2420532	Puketeraki	8

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
			Conservation Reserve			5764206		
L35051	Conservation area	4.0539	Section 62, Conservation Act	RS 42025,42026,42027	XII KOWAI	2423169 5763224	Puketeraki	8
L35055	Conservation area	.9634	Section 62, Conservation Act	RES 5236	XII KOWAI	2423375 5762690	Puketeraki	8
L35072	School site	.8093	Government Purpose Education Reserve	RES2940	XI OXFORD	2438165 5763708	Plains	8
L35073	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES2632	X OXFORD	2436425 5762600	Plains	8
L35074	Gravel	2.1979	Local Purpose Gravel Reserve	RES2664	XI OXFORD	2439526 5761985	Plains	8
L35075	Gravel	2.0234	Local Purpose Gravel Reserve	RES2634	XI OXFORD	2439480 5761298	Plains	8
L35086	Conservation area	3.5005	Section 62, Conservation Act	PT RES 412	XIV OXFORD	2432725 5759886	Plains	8
L35087	Water race reserve	1.5428	Local Purpose Reserve	RES2907	XIV OXFORD	2433177 5759663	Plains	8
L35101	Conservation area in Selwyn River/Waikirikiri	1.0000	Section 62, Conservation Act	CROWN LAND	II,III HORORATA	2417384 5754968	Puketeraki	8
L35105	Tramway reserve	2.5000	Section 62, Conservation Act	CROWN LAND	XIII OXFORD	2430699 5756739	Puketeraki	8
L35130	Cemetery	4.0038	Local Purpose Cemetary Reserve	RES2355	III HAWKINS	2438731 5750676	Plains	8
L35137	Conservation area	.6000	Section 62, Conservation Act	RS28068	VII HORORATA	2418053 5749240	Puketeraki	8
L35143	Pt south Malvern rec reserve	1.7705	Recreation Reserve	LOT 1 DP 11125	VII HORORATA	2420517 5749235	Puketeraki	8
L35144	Pt South Malvern rec reserve	.0505	Recreation Reserve	LOT 3 DP 11125	VII HORORATA	2420767 5749423	Puketeraki	8
L35147	Conservation area	.2023	Section 62, Conservation Act	PT RES 1332	VIII HORORATA	2426438 5746665	Puketeraki	8
L35149	Conservation area adj Selwyn/Waikirikiri riverbed	8.5000	Section 62, Conservation Act	PT LOT 1 DP 5652 CROWN LAND	VII,VIII HORORATA	2422029 5746950	Puketeraki	8
L35151	Road and tramway	2.5975	Local Purpose Road Reserve	RES 1601	VIII HORORATA	2423554 5747476	Puketeraki	8
L35156	General education (plantation)	2.6001	Government Purpose Education Reserve	RS 39145	VIII HORORATA	2427571 5746831	Plains	8
L35162	General education (plantation)	2.6051	Government Purpose Education Reserve	RES 4814	VIII HORORATA	2425982 5746556	Puketeraki	8
L35163	Conservation area	.4806	Section 62, Conservation Act	PT RES 1288	VIII HORORATA	2426056 5746342	Plains	8
L35165	General education (plantation)	4.4641	Government Purpose Education Reserve	RS 39143	V HAWKINS VIII HORORATA	2428000 5746800	Plains	8
L35170	Water race	5.1192	Local Purpose Reserve	RES2707	XII HORORATA	2427066 5744229	Plains	8
L35171	Pt Selwyn/Waikirikiri River	80.0000	Section 62, Conservation Act		IX HAWKINS XII HORORATA	2428343 5743204	Plains	8
L35178	Hororata rec reserve	92.0153	Recreation Reserve	RES2217,1589	XII HORORATA	2425297 5741755	Plains	8
L35181	Conservation area	16.1874	Section 62, Conservation Act		XII HORORATA	2423638 5740400	Plains	8
L35185	Cotons cob cottage historic	.1082	Historic Reserve	LOT 1 DP 33673	XVI HORORATA	2426000 5740000	Plains	8
L35200	Conservation area adj	8.0000	Section 62,	CROWN LAND	II HORORATA	2413087	Puketeraki	8

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
	r.s.29805		Conservation Act			5754145		
L35202	Gravel pit	2.0234	Local Purpose Gravel Reserve	RES 1514	X HAWKINS	2436117 5744336	Plains	8
L35210	Gravel	.1011	Local Purpose Gravel Reserve	RES 3878	V ROLLESTON	2449670 5746614	Plains	8
L35222	Gravel	.1011	Local Purpose Gravel Reserve	RES 3879	IX ROLLESTON	2449238 5745071	Plains	8
L35230	Govt purp (railway)	.5250	Government purpose railway reserve	RES 1334	VII HAWKINS	2437800 5746100	Plains	8
L35231	Education	.2023	Government Purpose Education Reserve	RES 4765	VII HAWKINS	2438400 5746300	Plains	8
L35235	Govt purp (railway)	.2023	Government purpose railway reserve	RES2646	VII HAWKINS	2438500 5746100	Plains	8
L35236	Public buildings police stn	.2023	Local Purpose Reserve	PT RES2978	VII HAWKINS	2438500 5746200	Plains	8
L35240	Gravel pit	.3566	Local Purpose Gravel Reserve	RES 3630	VII HAWKINS	2437700 5745900	Plains	8
L35248	Oxford marginal strip	1.4000	Marginal Strip	ADJ RS 36794	VII OXFORD	2441500 5766800	Plains	8
L35249	Hawkins River marginal strip	1.8000	Marginal Strip	ADJ RS 39549	II HAWKINS	2413800 5742300	Plains	8
L35250	Homebush marginal strip	1.5000	Marginal Strip	ADJ RS 15093 42001	V HAWKINS	2430053 5746195	Plains	8
L35251	South Malvern marginal strip	.9000	Marginal Strip	ADJ RS 38762	VII HORORATA	2421614 5747365	Puketeraki	8
L35252	Hororata marginal strip	.4000	Marginal Strip	ADJ LOT 1 DP 6783	X HORORATA	2413200 5743100	Puketeraki	8
L35253	K wai River marginal strip	.4000	Marginal Strip	ADJ RUN 319	IX KOWAI	2410417 5764541	Puketeraki	8
L35254	K wai River marginal strip	.6000	Marginal Strip	ADJ RUN 319	IX KOWAI	2410796 5764373	Puketeraki	8
L35255	K wai River marginal strip	3.4000	Marginal Strip	ADJ RUN 319	IX KOWAI	2411278 5764315	Puketeraki	8
L35256	K wai River marginal strip	1.4000	Marginal Strip	ADJ RS 38858	X IX KOWAI	2412548 5763034	Puketeraki	8
L35257	Thirteen Mile Bush st marginal strip	.2000	Marginal Strip	ADJ RS 38859	X KOWAI	2413284 5762093	Puketeraki	8
L35258	Thirteen Mile Bush st marginal strip	1.1000	Marginal Strip	ADJ RS 38860	X KOWAI	2414164 5762291	Puketeraki	8
L35259	Nth Branch Selwyn/Waikirikiri River marginal strip	3.7000	Marginal Strip	ADJ RS 37847	XIII XIV KOWAI	2412551 5756239	Puketeraki	8
L35260	Selwyn/Waikirikiri River marginal strip	1.5000	Marginal Strip	ADJ CROWN LAND SO 18785	VII HORORATA	2420900 5747597	Puketeraki	8
L36004	Railway reserve	7.5000	Section 62, Conservation Act	CROWN LAND	XV,XVI HORORATA	2422206 5738870	Plains	8
L36005	Railway reserve	3.0000	Section 62, Conservation Act	CROWN LAND	XVI HORORATA	2423846 5739745	Plains	8
L36016	Gravel pit	1.3683	Local Purpose Gravel Reserve	RES2656	XIII HAWKINS	2427605 5737010	Plains	8
L36024	Greendale Cemetery	2.0234	Local Purpose Cemetery Reserve	RES 1591	XIV HAWKINS	2435388 5739882	Plains	8
L36028	Greendale rec reserve	3.9886	Recreation Reserve	RES 1565	XIV HAWKINS	2434884 5736451	Plains	8
L36029	Greendale rec reserve	2.8429	Recreation Reserve	RES 3882	XIV HAWKINS	2436212 5736583	Plains	8
L36040	Pt Rakaia Riverbed	24.0000	Section 62, Conservation Act	CROWN LAND	I CORWAR	2411890 5733068	Plains	8

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
L36075	Pt Selwyn River bed	11.0000	Section 62, Conservation Act	CROWN LAND	II SELWYN	2435970 5733272	Plains	8

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
L36083	Gravel	4.0468	Local Purpose Gravel Reserve	RES2803	III SELWYN	2441042 5732248	Plains	8
L36090	Conservation area Rakaia Riverbed	64.7497	Section 62, Conservation Act	CROWN LAND	III CORWAR	2414566 5729160	Plains	8
L36108	Railway res	.8093	Government purpose railway reserve	RES 1286	XI SELWYN	2440668 5725002	Plains	8
L36109	Gravel pit	1.8210	Local Purpose Gravel Reserve	PT RES2856	XI SELWYN	2440591 5724963	Plains	8
L36110	Railway purposes	.2023	Government purpose railway reserve	PT RES2856	XI SELWYN	2440709 5725002	Plains	8
L36111	Railway purposes	.8093	Government purpose railway reserve	RES 1287	XI SELWYN	2440744 5724782	Plains	8
L36113	Ellesmere rec reserve	4.0468	Recreation Reserve	RES 316	VIII SELWYN	2445051 5726955	Plains	8
L36116	Railway purposes	17.8061	Government purpose railway reserve	RES268	VIII SELWYN	2446547 5727806	Plains	8
L36117	Railway purposes	16.1874	Government purpose railway reserve	RES267	VIII SELWYN	2446251 5728001	Plains	8
L36118	Conservation area in Selwyn/Waikirikiriri River	2.0000	Section 62, Conservation Act	CROWN LAND	VII SELWYN	2445848 5729791	Plains	8
L36123	Gravel	.4046	Local Purpose Gravel Reserve	RES 3422	V CORWAR	2413256 5725590	Plains	8
L36124	Gravel	.4046	Local Purpose Gravel Reserve	RES 3423	V CORWAR	2414486 5724873	Plains	8
L36125	Conservation area adj Rakaia River	80.0000	Section 62, Conservation Act	CROWN LAND	III CORWAR	2416027 5727461	Plains	8
L36129	Conservation area adj Rakaia River	43.7060	Section 62, Conservation Act	CROWN LAND	VI CORWAR	2419423 5724503	Plains	8
L36145	Conservation area	1.2140	Section 62, Conservation Act	RS 36125	XI SELWYN	2441209 5722204	Plains	8
L36148	Conservation area	2.3218	Section 62, Conservation Act	RS28792	VII CORWAR	2412036 5718070	Plains	8
L36151	Conservation area	.2276	Section 62, Conservation Act	PT RS28045	VIII CORWAR	2413602 5716972	Plains	8
L36152	Conservation area	1.2950	Section 62, Conservation Act	PT RS27849	II ASHBURTON VIII CORWAR	2414897 5716710	Plains	8
L36155	Gravel	.4046	Local Purpose Gravel Reserve	RES 3874	VIII CORWAR	2417398 5717402	Plains	8
L36157	Gravel	.4046	Local Purpose Gravel Reserve	RES 3875	IX CORWAR	2418990 5719170	Plains	8
L36165	Conservation area	21.0000	Section 62, Conservation Act	PT RS 36628	IX,XIII SELWYN	2430423 5720324	Plains	8
L36168	Conservation area pt Rakaia Riverbed	39.0000	Section 62, Conservation Act	CROWN LAND	IX HALL XIII SELWYN	2428048 5719316	Plains	8
L36169	Conservation area adj pt RS.36628	6.0000	Section 62, Conservation Act	CROWN LAND	XIII SELWYN	2430366 5720219	Plains	8
L36173	Gravel pit	.4046	Local Purpose Gravel Reserve	RES2960	XIII SELWYN	2431788 5719593	Plains	8
L36181	Rakaia rec.reserve	19.8296	Recreation Reserve	RES 4638	XIII RAKAIA	2430527 5717056	Plains	8
L36182	Railway purposes	171.5065	Government Purpose Railway Reserve	RES 1723	XIII SELWYN	2432205 5718158	Plains	8
L36192	Tramway reserve	4.0000	Local Purpose Reserve	RES297,303	XIII,XIV LEESTON	2439569 5719163	Plains	8
L36201	Conservation area adj Rakaia River	13.3000	Section 62, Conservation Act	CROWN LAND	II RAKAIA	2434551 5714603	Plains	8
L36206	Ellesmere rec reserve	86.1980	Recreation Reserve	RES 1630	I SOUTHBRIDGE	2449605	Plains	8

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						5714617		
L36218	Gravel	.4046	Local Purpose Gravel Reserve	RES 3601	X SELWYN	2434709 5723016	Plains	8
L36222	Conservation area Rakaia township	.6247	Section 62, Conservation Act	RES 1662	XIII RAKAIA	2431550 5716600	Plains	8
L36224	Prov.govt.	.3136	Government Purpose Reserve	RES 1673	XIII RAKAIA	2431000 5716400	Plains	8
L36225	Municipal	.2023	Local Purpose Reserve	RES 1660	XIII RAKAIA	2431500 5716400	Plains	8
L36227	Govt.purpose	.6386	Government Purpose Reserve	RES 1654	XIII RAKAIA	2432000 5716750	Plains	8
L36228	Municipal	.2023	Local Purpose Reserve	RES2982	XIII RAKAIA	2431500 5716000	Plains	8
L36231	Rakaia River marginal strip	2.2000	Marginal Strip	ADJ RS 36628 40748	IX XIII SELWYN	2431000 5720000	Plains	8
L37025	Ellesmere rec reserve	38.6854	Recreation Reserve	LOT 1 DP 4439	V SOUTHBRIDGE	2448834 5702500	Plains	12
L37026	Ellesmere rec reserve	3.7023	Recreation Reserve	RES 4363	IX SOUTHBRIDGE	2448485 5702155	Plains	12
L37027	Use by anglers & public	11.3311	Local Purpose Reserve	RES 3047	IX SOUTHBRIDGE	2448637 5701836	Plains	12
L37036	Dorie rec reserve	1.6187	Recreation Reserve	RES 3568	VI RAKAIA	2436771 5702941	Plains	12
L37051	Conservation area adj Ashburton/Hakatere River	5.0000	Section 62, Conservation Act	CROWN LAND	I WAKANUI	2411566 5695910	Plains	12
L37053	Conservation area Ashburton/Hakatere riverbed	27.0000	Section 62, Conservation Act	CROWN LAND	I WAKANUI	2412448 5695339	Plains	12
L37064	Conservation area Ashburton/Hakatere riverbed	8.5000	Section 62, Conservation Act	CROWN LAND	V WAKANUI	2413151 5688780	Plains	12
L37065	River conservation	21.6506	Local Purpose Soil Conservation Reserve	RES2764	V.VI WAKANUI	2412853 5689099	Plains	12
L37070	Kongutu rec reserve	1.3152	Recreation Reserve	RES 3594	X WAKANUI	2413719 5682990	Plains	12
L37071	Camping place	.6070	Local Purpose Reserve	RES 3362	X WAKANUI	2413589 5682799	Plains	12
L37082	Friedlander Park	.5918	Recreation Reserve	RES 5188	XIII ASHBURTON			12
L37084	Ashburton/Hakatere River marginal strip	21.6000	Marginal Strip	ADJ RS 41592 41593	V IX WAKANUI	2413247 5685836	Plains	12
M31008	Conservation Area	8.9789	Section 62, Conservation Act	SEC 1	XIII DILLON	2475430 5860381	Hurunui	1
M32004	Conservation area	.0809	Section 62, Conservation Act	SEC 1	VI SKIDDAW	2457150 5848800	Hurunui	1
M32005	Conservation area	2.3142	Section 62, Conservation Act	RS 39627	VIII SKIDDAW	246700 5846100	Hurunui	1
M32010	Conservation area strip	6.0000	Section 62, Conservation Act	CROWN LAND	I,II,V MANDAMUS	2475290 5832766	Hurunui	1
M32015	Conservation area	.0612	Section 62, Conservation Act	SEC 14 SO 17134	II SKIDDAW	2459600 5854200	Hurunui	1
M32016	Glencoe River marginal strip	1.4000	Marginal Strip	ADJ RS 74	I MANDAMUS	2475281 5833466	Hurunui	1
M32017	Boyle River marginal strip	.6000	Marginal Strip	ADJ RUN286	VI SKIDDAW	2457150 5848800	Hurunui	1
M32018	Glenhope marginal strips	60.0000	Marginal Strip	ADJ RUN287	SKIDDAW TEKOA	2472000 5846300	Hurunui	1
M33002	Stock reserve	17.6417	Local Purpose Reserve	RES 4258	VIII NOBLE	2461782 5817730	Hurunui	4

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M33003	Pt.Hurunui rv.adj.sec.29787	2.0000	Section 62, Conservation Act	CROWN LAND	II WAITOHI	2474588 5822598	Hurunui	4
M33004	Pt.Waitohi riverbed	141.3000	Section 62, Conservation Act	CROWN LAND CROWN LAND	III WAIPARA IV,V WAITOHI	2480710 5814958	Lowry	4
M33008	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES2975	VI WAITOHI	2483530 5816739	Lowry	4
M33010	Waitohi Gorge rec.reserve	5.6512	Recreation Reserve	RS 41197,41140	III WAITOHI	2471608 5816639	Puketeraki	4
M33012	Govt.purpose reserve	12.0317	Government Purpose Reserve	RS 41294,41295 PT RES286	III WAITOHI	2471952 5816811	Puketeraki	4
M33013	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES 3496	II WAIPARA	2477170 5814834	Lowry	4
M33017	Gravel reserves	.4046	Local Purpose Gravel Reserve	RES2973	IV WAIPARA	2484920 5814549	Lowry	4
M33018	Gravel	.4046	Local Purpose Gravel Reserve	RES2972	IV WAIPARA	2486293 5814517	Lowry	4
M33019	Gravel	.4046	Local Purpose Gravel Reserve	RES2971	IV WAIPARA	2487364 5814513	Lowry	4
M33021	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES 3497	II WAIPARA	2476752 5813566	Lowry	4
M33023	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES 3492	III WAIPARA	2482016 5813496	Lowry	4
M33026	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES 3498	II WAIPARA	2475781 5811716	Lowry	4
M33027	Education reserve (plantation)	.4046	Government Purpose Education Reserve	RES 4764	VII WAIPARA	2479189 5809612	Lowry	4
M33035	Cemetery reserve	.8270	Local Purpose Cemetery Reserve	RES 4193	XII WAIPARA	2486352 5804270	Lowry	4
M33037	Gravel reserve	2.0234	Local Purpose Gravel Reserve	RES2679	X WAIPARA	2475474 5802796	Lowry	4
M33048	Hurunui River marginal strip	6.9000	Marginal Strip	ADJ RUN 142A	II III NOBLE	2451569 5829513	Hurunui	4
M33049	Hurunui River marginal strip	3.8000	Marginal Strip	ADJ RUN 142A	III NOBLE	2453448 5827369	Hurunui	4
M33050	Hurunui River marginal strip	9.5000	Marginal Strip	ADJ RUN 142A 142B ADJ RS 37733	III V NOBLE III V NOBLE	2454711 5824607	Hurunui	4
M33051	Sth Branch Hurunui River marginal strip	3.6000	Marginal Strip	ADJ RUN 142B	V VII NOBLE	2456611 5820725	Hurunui	4
M33052	Sth Branch Hurunui River marginal strip	2.0000	Marginal Strip	ADJ RUN 141 ADJ RS 34648	VII NOBLE VII NOBLE	2454953 5819578	Hurunui	4
M33053	Sth Branch Hurunui River marginal strip	.4000	Marginal Strip	ADJ RS 15602	VII NOBLE	2455795 5819470	Hurunui	4
M33054	Sth Branch Hurunui River marginal strip	.6000	Marginal Strip	ADJ RUN 141	VII NOBLE	2456755 5819810	Hurunui	4
M33055	Sth Branch Hurunui River marginal strip	1.3000	Marginal Strip	ADJ RUN 141	VII VIII NOBLE	2457274 5820104	Hurunui	4
M33056	Hurunui River marginal strip	.8000	Marginal Strip	ADJ RUN 141	VIII NOBLE	2458876 5817673	Hurunui	4
M33057	Seaward River marginal strip	10.0000	Marginal Strip	ADJ RUN 141	VIII NOBLE II III OKUKU	2457441 5815400	Hurunui	4
M33058	Seaward River marginal strip	4.0000	Marginal Strip	ADJ RUN 141	II OKUKU	2454656 5814066	Hurunui	4
M33059	Seaward River marginal strip	2.5000	Marginal Strip	ADJ RUN 141	II OKUKU	2453199 5813106	Hurunui	4
M33060	Waitohi River marginal strip	1.6000	Marginal Strip	ADJ RS 39479	III IV WAITOHI	2472446 5816497	Puketeraki	4
M33061	Hurunui River marginal strip	7.4000	Marginal Strip	ADJ RS 40286	XII MANDAMUS	2482620 5819440	Lowry	4

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M33062	Waitohi peaks sett marginal strip	.3000	Marginal Strip	ADJ SEC 15	III WAITOHI	2468800 5816300	Puketeraki	4
M34001	Waipara Riverbed adj rs 41915	.0830	Section 62, Conservation Act	CROWN LAND	XIV WAIPARA	2472604 5799923	Puketeraki	4
M34002	Conservation area adj.lot 1 dp 6482	5.0000	Section 62, Conservation Act	CROWN LAND	II GREY	2475967 5794496	Puketeraki	4
M34003	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND	II GREY	2477132 5794625	Puketeraki	4
M34004	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND	II GREY	2475511 5792818	Puketeraki	4
M34007	Closed road	.0607	Section 62, Conservation Act	CROWN LAND	I TEVIOTDALE	2489838 5793651	Lowry	4
M34008	Conservation area	1.6000	Section 62, Conservation Act	CROWN LAND	I TEVIOTDALE	2490300 5793300	Plains	4
M34010	Pt.Waipara Riverbed	1.3000	Section 62, Conservation Act	CROWN LAND	I TEVIOTDALE	2489260 5792965	Plains	4
M34011	Pt waipara River	11.0000	Section 62, Conservation Act	CROWN LAND	I TEVIOTDALE	2489620 5793029	Plains	4
M34013	Gravel reserve	4.8739	Local Purpose Gravel Reserve	PT RES2544	VIII GREY	2486377 5789935	Plains	4
M34016	Gravel reserve	.2023	Local Purpose Gravel Reserve	RES2841	V TEVIOTDALE	2488095 5787971	Plains	4
M34018	Gravel reserve	2.0234	Local Purpose Gravel Reserve	RES2346	X GREY	2476700 5783384	Puketeraki	4
M34019	Conservation area adj.rs.s 31710,6908	.4401	Section 62, Conservation Act	CROWN LAND	XI GREY	2481683 5784694	Plains	4
M34021	Conservation area	.2000	Section 62, Conservation Act	CROWN LAND	XII GREY	2487757 5782240	Plains	4
M34026	Pt Okuku Riverbed	78.5200	Section 62, Conservation Act	CROWN LAND	XI,XII,XVI MOUNT THOMAS	2462731 5781565	Puketeraki	4
M34042	Gravel reserve	.5023	Local Purpose Gravel Reserve	RES 3961	XVI MOUNT THOMAS	2463972 5776407	Plains	4
M34046	Gravel reserve	2.0985	Local Purpose Gravel Reserve	LOT 1 DP26666	XIII GREY	2467627 5778025	Plains	4
M34047	Conservation area	1.6767	Section 62, Conservation Act	RS 32733, 12515, 10706, 10561	XIII GREY	2471639 5778142	Plains	4
M34054	Conservation area adj. RS 12571	.3642	Section 62, Conservation Act	CROWN LAND	XVI GREY	2484715 5778595	Plains	4
M34057	Closed road adj. RS.6535	.2352	Section 62, Conservation Act	CROWN LAND	XVI GREY	2483868 5777895	Plains	4
M34059	Closed road adj. RS.10823	.6298	Section 62, Conservation Act	CROWN LAND	XVI GREY	2483929 5776609	Plains	4
M34060	Conservation area	.2048	Section 62, Conservation Act	CROWN LAND	XVI GREY	2484082 5776499	Plains	4
M34072	Pt. Okuku Riverbed	34.0000	Section 62, Conservation Act	CROWN LAND	IV MAIRAKI	2466952 5772264	Plains	4
M34074	Gravel reserve	2.0234	Local Purpose Gravel Reserve	RES 1382	IV MAIRAKI	2466368 5770960	Plains	4
M34082	Conservation area, Makerikeri River	19.0000	Section 62, Conservation Act	CROWN LAND	II,VI RANGIORA	2473909 5770116	Plains	4
M34090	Conservation area	6.9249	Section 62, Conservation Act	PT RS 11202, 11435, 33637, 1201 CROWN LAND	VII RANGIORA	2482000 5770392	Plains	4
M34094	Conservation area	1.7249	Section 62, Conservation Act	CROWN LAND	VIII RANGIORA	2483443 5770448	Plains	4
M34095	River protection reserve	9.8895	Local Purpose Soil Conservation Reserve	PT RES 91	IV,VIII RANGIORA	2486370 5771094	Plains	4
M34097	Conservation area	10.7242	Section 62, Conservation Act	CROWN LAND	IV RANGIORA	2487358 5771606	Plains	4

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M34101	Railway conservation reserve	9.0449	Government purpose railway reserve	LOTS 4, 5 DP 39796 LOTS 6,7 DP 39797 PT RES 1919	XII GREY XII GREY	2487161 5783503	Plains	4
M34115	Conservation area	160.0000	Section 62, Conservation Act	CROWN LAND	IV RANGIORA XVII TEVIOTDALE	2489000 5774500	Puketeraki	4
M34116	Ashley Forest marginal strip	1.4000	Marginal Strip	ADJ SEC 41990	V IX GREY	2469600 5785500	Puketeraki	4
M34117	Grey River marginal strip	.3000	Marginal Strip	ADJ RES 5201	IX GREY	2468400 5781900	Puketeraki	4
M34118	Grey River marginal strip	.8000	Marginal Strip	ADJ RES 5201	IX GREY	2468500 5781700	Puketeraki	4
M34119	Ashley Forest marginal strip	.8000	Marginal Strip	ADJ RS 38578	IX GREY	2471500 5784500	Puketeraki	4
M34120	Grey River marginal strip	.5000	Marginal Strip	ADJ RS 38579	IX GREY	2471500 5783500	Puketeraki	4
M34121	Washpen Creek marginal strip	.3000	Marginal Strip	ADJ RS27071 40760	VII GREY	2478400 5787900	Puketeraki	4
M34122	Washpen Creek marginal strip	.7000	Marginal Strip	ADJ RS 40761	VII GREY	2478500 5787900	Puketeraki	4
M35015	Conservation area	3.2434	Section 62, Conservation Act	RS 42044.42045	VI RANGIORA	2473619 5768667	Plains	8
M35017	Gravel reserve	.4046	Local Purpose Gravel Reserve	RES 170	V RANGIORA	2472271 5766099	Plains	8
M35019	Conservation area	.6070	Section 62, Conservation Act	CROWN LAND	VII RANGIORA	2483140 5770216	Plains	8
M35066	Conservation area	1.4769	Section 62, Conservation Act	PT LOT2 DP 5974 PT CLOSED ROAD	XV RANGIORA	2481043 5759060	Plains	8
M35068	Rec.reserve	1.7650	Recreation Reserve	RS 41534	XV RANGIORA	2479753 5757357	Plains	8
M35073	Ferry reserve	.1011	Local Purpose Reserve	RES 48 DP 8874	XVI RANGIORA	2484398 5757622	Plains	8
M35074	Brooklands waterski club ?	2.0000	Section 62, Conservation Act	CROWN LAND	XVI RANGIORA	2486267 5756938	Plains	8
M35090	River conservation reserve	.2530	Local Purpose Soil Conservation Reserve	PT RES 3415	III CHRISTCHURCH	2478428 5755306	Plains	8
M35095	Coutts Island wildlife sanctuary	9.4417	Government Purpose Wildlife Management Reserve	PT RES 3938 RES 4355	III CHRISTCHURCH III CHRISTCHURCH	2479500 5753500	Plains	8
M35102	Gravel reserve	.2023	Local Purpose Gravel Reserve	RES 3877	V ROLLESTON	2450357 5746969	Plains	8
M35138	Conservation area	2.0000	Section 62, Conservation Act	CROWN LAND SO 17137	VIII CHRISTCHURCH	2487111 5749169	Plains	8
M35139	Gravel reserve	.2023	Local Purpose Gravel Reserve	RES 3880	IX ROLLESTON	2450899 5745067	Plains	8
M35152	Sanitation purposes	4.0438	Local Purpose Reserve	RES2528	XII ROLLESTON	2463706 5744310	Plains	8
M35161	Paparoa prison	327.2098	Government Purpose Reserve	RS 41836 RS 41837 RS 41838 RES 3962	IX CHRISTCHURCH XII ROLLESTON	2467044 5742457	Plains	8
M35173	Conservation area	1.3734	Section 62, Conservation Act	RES 3212	XIII CHRISTCHURCH	2469312 5740210	Plains	8
M35179	Conservation area	1.5000	Section 62, Conservation Act	CROWN LAND	VI ROLLESTON	2456743 5749982	Plains	8
M35183	Kaiapoi rec. Res.	5.8067	Recreation Reserve	RS 41085 RS 41086	XVI RANGIORA XVI RANGIORA	2482400 5759400	Plains	8
M35208	Rangiora fire depot	.2800	Section 62, Conservation Act	PT LOT 8 DP 6615	VI RANGIORA	2475500 5766800	Plains	8
M35285	Rec.reserve	.8298	Recreation Reserve	RES 4993	XV RANGIORA	2781200	Plains	8

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						5757900		
M35307	Rec.reserve	12.5000	Recreation Reserve	LOT 1 DP 44685	IV CHRISTCHURCH XVI RANGIORA	2485500 5755500	Plains	8
M35446	Kapuatohe historic	.2731	Historic Reserve	RS 41299	VII CHRISTCHURCH	2479700 5750250	Plains	8
M35527	Kindergarten	.1011	Local Purpose Kindergarten Reserve	LOT 9 DP 8682 RES 4187	XI CHRISTCHURCH	2481200 5745100	Plains	8
M35547	Road res.	.0478	Local Purpose Road Reserve	PT LOT2 DP 14508	XI CHRISTCHURCH	2479300 5745200	Plains	8
M35550	Rawhiti domain	.0622	Recreation Reserve	LOTS2.3 DP 3276	VIII CHRISTCHURCH	2487700 5745800	Plains	8
M35622	Kindergarten	.1373	Local Purpose Kindergarten Reserve	LOT 1 DP 14203	XI,XII CHRISTCHURCH	2482800 5744200	Plains	8
M35624	General education	.1196	Government Purpose Education Reserve	LOT 14 DP 18305 RES 4825	XII CHRISTCHURCH	2483500 5743800	Plains	8
M35629	Education (pre-school)	.1001	Local Purpose Kindergarten Reserve	LOT 470 DP22293	XII CHRISTCHURCH	2485900 5744000	Plains	8
M35718	Hornby rec reserve	2.0570	Recreation Reserve	RES 4146.4766	XIII CHRISTCHURCH	2470500 5740000	Plains	8
M35819	Buildings of general gov.	.0250	Government Purpose Government Buildings Reserve	PT TN RES 173	XI CHRISTCHURCH	2481500 5742300	Plains	8
M35834	Ex rec.reserve:	.0199	Section 62, Conservation Act	PT SEC 1196 SO 17137	XI CHRISTCHURCH	2480500 5741900	Plains	8
M35922	Streambed marginal strip	4.9331	Section 62, Conservation Act	SO 17137	V,VI MAIRAKI	2452878 5768355	Plains	8
M35923	Wetlands area	1.0000	Section 62, Conservation Act	SO 17137	VIII RANGIORA	2484647 5767213	Plains	8
M35924	Wetlands area	1.0000	Section 62, Conservation Act	SO 17137	VIII RANGIORA	2484401 5766654	Plains	8
M35925	Coastal strip	33.8468	Section 62, Conservation Act	PT RES 4058 SO 17137	XII RANGIORA	2486255 5761164	Plains	8
M35926	Beach foreshore reserve	95.0000	Section 62, Conservation Act	SO 17137	IV,VIII CHRISTCHURCH	2487300 5749000	Plains	8
M35927	Riverbank towing path	1.0000	Section 62, Conservation Act	SO 17137	XII CHRISTCHURCH	2487200 5744300	Plains	8
M35928	78 London Street	.0692	Section 62, Conservation Act	PT RS 41 SO 17137 PARCEL O.P SO 16493	XI CHRISTCHURCH	2482300 5742900	Plains	8
M35937	Coutts Island marginal strip	1.5000	Marginal Strip	ADJ RS 37573 37574	III CHRISTCHURCH	2479400 5752300	Plains	8
M35941	Courtenay Stream marginal strp	.4000	Marginal Strip	ADJ CROWN LAND SO 18784	XV RANGIORA	2483700 5757200	Plains	8
M35942	Kaiapoi River marginal strip	3.2000	Marginal Strip	ADJ RES 366275 SO 18784	XV RANGIORA	2480300 5759000	Plains	8
M36009	Weedons Domain	11.0049	Recreation Reserve	LOT2 DP27650	XV CHRISTCHURCH	2462500 5737500	Plains	8
M36042	Burnham Military Camp	379.3839	Government Purpose Defence Area	RES 1159 PT RES 1160 PT RES 13523 PT RES 1636	II LEESTON	2455312 5733258	Plains	8
M36048	Burnham Domain	2.0234	Recreation Reserve	RES 4869	II LEESTON	2454969 5731385	Plains	8
M36049	General education	2.1130	Government Purpose Education Reserve	RES 4654 RES 4809, 4810	II LEESTON	2454107 5732163	Plains	8
M36052	Tramway	5.0000	Local Purpose	PT RES 302	III LEESTON	2458227	Plains	8

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			Reserve			5733494		
M36057	Cairn of peace	.0526	Historic Reserve	RES 5235	I HALSWELL	2468591 5732775	Plains	8
M36080	Pt Governors Bay scenic reserve	.0027	Scenic Reserve	LOT2 DP26055	III HALSWELL	2481800 5731400	Banks Peninsula	8
M36082	Sage rec.reserve	1.6255	Recreation Reserve	LOT 1 DP 30454	III HALSWELL	2481600 5730300	Banks Peninsula	8
M36091	River conservation	20.2342	Local Purpose Soil Conservation Reserve	RES2935	V LEESTON	2451922 5727220	Plains	8
M36099	Springston Cemetery res.	2.0234	Local Purpose Cemetery Reserve	RES2578	VIII LEESTON	2465608 5729544	Plains	8
M36104	Lincoln Park	4.0468	Recreation Reserve	RES 4200	V HALSWELL	2468154 5729979	Plains	8
M36105	Lincoln Domain	2.7309	Recreation Reserve	RES 3761 RS 39900	V HALSWELL	2468510 5729410	Plains	8
M36111	Rec. Reserve	.4046	Recreation Reserve	RES2752	VI HALSWELL	2473747 5726647	Plains	8
M36114	Conservation area	.0260	Section 62, Conservation Act	RS 36941	III HALSWELL	2481784 5732601	Banks Peninsula	8
M36115	Closed road	.5185	Section 62, Conservation Act	CROWN LAND	XI HALSWELL	2480606 5724855	Banks Peninsula	8
M36131	Drain res.	6.0000	Section 62, Conservation Act	CROWN LAND	V HALSWELL	2468064 5725375	Plains	8
M36141	Conservation area	.2500	Section 62, Conservation Act	CROWN LAND	X HALSWELL	2475349 5720704	Banks Peninsula	8
M36142	Conservation area	.2500	Section 62, Conservation Act	CROWN LAND	X HALSWELL	2475459 5720636	Banks Peninsula	8
M36144	Conservation area	.3000	Section 62, Conservation Act	PT RES 959	XIV HALSWELL	2475512 5719330	Plains	8
M36151	Former railway	22.2000	Section 62, Conservation Act	PT RES 959 PR 26 SHT 14	XIV, XV HALSWELL	2477963 5719071	Banks Peninsula	8
M36152	Motukarara Nursery	.3097	Government Purpose Reserve	SEC 1 SO 18388	XIV HALSWELL	2476700 5719900	Plains	8
M36159	Crown land	10.5000	Section 62, Conservation Act	CROWN LAND	III ELLESMERE	2480816 5715199	Plains	8
M36160	Conservation area	2.0234	Section 62, Conservation Act	SEC 15	VII ELLESMERE	2481313 5714427	Plains	8
M36163	Conservation area	3.0351	Section 62, Conservation Act	RES2594	III ELLESMERE	2482074 5713890	Plains	8
M36166	Conservation area	.2804	Section 62, Conservation Act	CROWN LAND	IV ELLESMERE	2483133 5712555	Plains	8
M36168	Conservation area	40.0000	Section 62, Conservation Act	CROWN LAND	III ELLESMERE	2482383 5713488	Plains	8
M36169	Conservation area	12.1000	Section 62, Conservation Act	CROWN LAND	III ELLESMERE	2483000 5712500	Plains	8
M36170	Closed road	9.5000	Section 62, Conservation Act	CROWN LAND	III,IV ELLESMERE	2483500 5711800	Plains	8
M36171	Conservation area	10.8000	Section 62, Conservation Act	CROWN LAND	IV ELLESMERE	2483549 5712027	Plains	8
M36173	Conservation area	15.6364	Section 62, Conservation Act	PT RS 6647	IV,VIII ELLESMERE	2484865 5710877	Plains	8
M36174	Birdlings Flat Crown land	4.4000	Section 62, Conservation Act	RS 39619 CROWN LAND	VIII ELLESMERE	2486584 5710418	Banks Peninsula	8
M36176	Conservation area	5.0000	Section 62, Conservation Act	PT RES250	IX ELLESMERE	2487200 5710800	Banks Peninsula	8
M36187	Conservation area	1.1000	Section 62, Conservation Act	PT RES 4100, 959	XVI LEESTON	2465226 5718812	Plains	8
M36188	Conservation area	1.9000	Section 62,	PT RES 4100	XVI LEESTON	2465038	Plains	8

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				Conservation Act		5718381		
M36194	Landing res.	2.4281	Local Purpose Reserve	PT RES 2951	III SOUTHBRIDGE	2458689	Plains	8
						5711991		

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M36195	Tramway res.	17.5000	Local Purpose Reserve	RES 297,303	XIV LEESTON II SOUTHBRIDGE	2456048 5716002	Plains	8
M36197	Ellesmere rec res Osborne park	4.0468	Recreation Reserve	RES 3939	XIV LEESTON	2455313 5717548	Plains	8
M36212	Ellesmere rec.reserve	5.8960	Recreation Reserve	RS 41072	I,V SOUTHBRIDGE	2450525 5710508	Plains	8
M36228	Gravel pit	4.0265	Local Purpose Gravel Reserve	RES 335	XIII CHRISTCHURCH	2439000 5771900	Plains	8
M36230	Rec.reserve	6.7936	Recreation Reserve	LOT 1 DP 17408	XIV CHRISTCHURCH	2437800 5773300	Plains	8
M36284	Cashmere & Valley Roads recreation reserve	2.0310	Recreation Reserve	LOTS 1,2 DP 4996 RES 5114	XV CHRISTCHURCH	2479800 5737500	Plains	8
M36318	Curries Road recreation reserve	.4690	Recreation Reserve	LOTS 12,13,14,15 DP 7237 PT RS 91 LOT 17 DP 13838	XVI CHRISTCHURCH	2484000 5738500	Plains	8
M36319	Thorrington Road rec.res.	.0811	Recreation Reserve	LOT 5 DP 11381	XV CHRISTCHURCH	2480500 5738200	Plains	8
M36328	Erehwon Tce.rec.reserve	.1254	Recreation Reserve	LOT 14 DP 16027	XVI CHRISTCHURCH	2483100 5737800	Plains	8
M36331	Library	.1621	Local Purpose Library Reserve	LOT 55 DP 16829 RES 4713	XV CHRISTCHURCH	2480200 5737500	Plains	8
M36333	Rec. reserve	.2655	Recreation Reserve	LOT 38 DP 19749	XV CHRISTCHURCH	2480700 5737700	Plains	8
M36336	Recreation res (Longhurst Terrace)	.5378	Recreation Reserve	LOT 15 DP 55685	XV CHRISTCHURCH	2480800 5736200	Plains	8
M36342	Water supply	.0857	Local Purpose Reserve	RES 4133	XV CHRISTCHURCH	2481700 5737800	Plains	8
M36350	Accessway	.0151	Local Purpose Accessway Reserve	LOT29 DP 8754 RES 4189	XV CHRISTCHURCH	2480300 5736700	Plains	8
M36352	Takahe Drive rec reserve	.1325	Recreation Reserve	LOT 15 DP20843	XV CHRISTCHURCH	2480700 5736300	Plains	8
M36376	Rec.reserve	.1262	Recreation Reserve	LOT 39 DP22090	XVI CHRISTCHURCH	2487200 5738400	Plains	8
M36396	Heathcote Recreation Reserve	.2977	Recreation Reserve	RS 41631	XVI CHRISTCHURCH	2486300 5736600	Banks Peninsula	8
M36455	Cemetery	.2023	Local Purpose Cemetary Reserve	PT RES 45	IV HALSWELL	2487800 5734100	Banks Peninsula	8
M36461	Police station	.1595	Government purpose poloce station reserve	SEC 356	IV HALSWELL	2487700 5733900	Banks Peninsula	8
M36472	Conservation area	.2807	Section 62, Conservation Act	RS 40084	II SUMNER	2488500 5739000	Plains	8
M36473	Lower Selwyn Huts	.9531	Section 62, Conservation Act	PT RES 4100	XVI LEESTON	2465116 5718680	Plains	8
M36486	Timber depot and landing area	60.7028	Local Purpose Reserve	RES 682	II,VI ELLESMERE	2475104 5710304	Plains	8
M36487	Conservation area	.3434	Section 62, Conservation Act	PT LOT 8 DP 11088 SO 14751	II SUMNER	2488500 5738800	Banks Peninsula	8
M36500	Proposed picnic area	10.1171	Section 62, Conservation Act	SEC 49 SO 17138	XV LEESTON	2460346 5716996	Plains	8
M36502	Pt.Lake Ellesmere/Te Waihora	2.5000	Section 62, Conservation Act	PT RES 959 SO 17138	III SOUTHBRIDGE	2458227 5712164	Plains	8
M36503	Drain reserve	.5000	Section 62, Conservation Act	CROWN LAND SO 17138	III SOUTHBRIDGE	2458199 5712045	Plains	8
M36504	Conservation area	2.0000	Section 62, Conservation Act	CROWN LAND SO 17138	II HALSWELL	2474500 5734300	Plains	8
M36505	Conservation area	.4046	Section 62, Conservation Act	RS2444 SO 17138	X HALSWELL	2474501 5722151	Banks Peninsula	8
M36506	Drain reserve	3.0000	Section 62,	CROWN LAND	V,IX HALSWELL XII	2467440	Plains	8

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			Conservation Act	SO 17138	LEESTON	5725023		
M36507	Conservation area	.6000	Section 62, Conservation Act	CROWN LAND	XII LEESTON	2465832 5721635	Plains	8
M37001	Gravel reserve	4.0468	Local Purpose Gravel Reserve	RES2542	VII SOUTHBRIDGE	2458665 5709258	Plains	9
M37002	Conservation area	.2023	Section 62, Conservation Act	RS 35465	VI SOUTHBRIDGE	2456905 5707093	Plains	9
M37003	Conservation area	2.6304	Section 62, Conservation Act	RS 34868	VI,VII SOUTHBRIDGE	2457624 5706745	Plains	9
M37004	Conservation area	5.0000	Section 62, Conservation Act	CROWN LAND	X SOUTHBRIDGE	2455899 5705478	Plains	9
M37005	Conservation area	.1644	Section 62, Conservation Act	LOT 3 DP 6299	X SOUTHBRIDGE	2455500 5704852	Plains	9
M37007	Conservation area	25.7000	Section 62, Conservation Act	CROWN LAND SO 16747 RS 42392	IX, X SOUTHBRIDGE	2452000 5703100	Plains	9
M37009	Conservation area	147.9000	Section 62, Conservation Act	RS 42182	V,VI ELLESMERE	2472346 5707564	Plains	9
M37013	Conservation area	2.4680	Section 62, Conservation Act	RS 40768	VII ELLESMERE	2481996 5709398	Plains	9
M37030	Lake Ellesmere/Te Waihora Marginal Strip	10.000	Marginal Strip	ADJ RS 40824	UIII SOUTHBRIDGE	2419310 5706060	Plains	9
N31003	Towy River marginal strip	5.4000	Marginal Strip	ADJ RS 122 39847	XII TERA KO IX TOWY	2530641 5862157	Hurunui	2
N31004	Towy/Conway River marginal strip	30.0000	Marginal Strip	ADJ RUN 208	XVI XVIII XXII ACHERON	2531416 5866190	Hurunui	2
N31005	Clarence/Winterburn marginal strip	18.0000	Marginal Strip	ADJ RUN208231	X XV XX XXI ACHERON	2523442 5870589	Hurunui	2
N32004	Road	3.2130	Section 62, Conservation Act	RES 42116	I LYNDON IV TEKO A	2491000 5854600	Hurunui	2
N32006	Conservation area	22.5000	Section 62, Conservation Act	CROWN LAND	I LYNDON	2494575 5854461	Hurunui	2
N32030	Hanmer Vistor Centre etc	34.4000	Section 62, Conservation Act	PT RESS 3782, 3657, 3927 RS 40805	II LYNDON	2496875 5854597	Hurunui	2
N32031	Unnamed Crown land	4.5000	Section 62, Conservation Act	PT RES 4191	II LYNDON	2498277 5854267	Hurunui	2
N32032	Hammer Cemetery res.	.9960	Local Purpose Cemetery Reserve	RS 40668	II LYNDON	2498868 5854343	Hurunui	2
N32035	Gravel res.	.4046	Local Purpose Gravel Reserve	RES 3648	III WAI AU	2521115 5854582	Hurunui	2
N32036	Unnamed crown land	.6000	Section 62, Conservation Act	CROWN LAND	V LYNDON	2492906 5847687	Lowry	2
N32037	Pt. Hanmer Riverbed	222.0000	Section 62, Conservation Act	CROWN LAND	III,IV,VI,VII LYNDON	2501332 5849753	Lowry	2
N32046	Gravel res.	.4046	Local Purpose Reserve	RES 3649	VI WAI AU	2518497 5848677	Lowry	2
N32047	Unnamed Crown land	12.5000	Section 62, Conservation Act	CROWN LAND	X WAI AU	2516914 5844707	Lowry	2
N32049	Education (plantation)	1.0749	Government Purpose Education Reserve	RES 4962	X WAI AU	2518602 5845381	Lowry	2
N32051	Garden Island-Wai au River	.5000	Section 62, Conservation Act	CROWN LAND	IX LYNDON	2491344 5842083	Lowry	2
N32052	Cabbage Tree Island Wai au River	2.2000	Section 62, Conservation Act	CROWN LAND	XIII LYNDON	2490952 5838951	Lowry	2
N32053	Gravel res..	.4046	Local Purpose Gravel Reserve	RES 3582	XI LYNDON	2503672 5842403	Lowry	2
N32054	Gravel res.	.4046	Local Purpose Gravel Reserve	RES 3581	XI LYNDON	2504174 5841243	Lowry	2

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N32055	Cemetery res.	.8093	Local Purpose Cemetery Reserve	RES 3584	XI LYNDON	2505434 5841741	Lowry	2

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
N32056	Gravel res.	.4046	Local Purpose Gravel Reserve	RES 3580	XII LYNDON	2506038 5841672	Lowry	2
N32057	Gravel res.	.4046	Local Purpose Gravel Reserve	RES 3579	XII LYNDON	2507204 5842424	Lowry	2
N32058	River protect. Res.	.4046	Local Purpose Soil Conservation Reserve	RES 3585	XV,XVI LYNDON	2505798 5839816	Lowry	2
N32059	Gravel res.	.4046	Local Purpose Gravel Reserve	RES 3552	IX WAIAU	2512781 5842339	Lowry	2
N32061	U.c.l.	22.0000	Section 62, Conservation Act	CROWN LAND	XIII WAIAU	2512871 5839578	Lowry	2
N32062	Waiau rec res	17.9173	Recreation Reserve	LOT 1 DP 4984 LOT 1 DP 10112	XIII WAIAU	2512131 5838699	Lowry	2
N32064	Rec.res.	1.7806	Recreation Reserve	SEC 1	XIII WAIAU	2513100 5839300	Lowry	2
N32068	Post	.6102	Government Purpose Post Office Reserve	SEC 44 SO 15437	XIII WAIAU	2513703 5839223	Lowry	2
N32070	Public utility	.8093	Local Purpose Utility Reserve	SEC2 SO 760	XIII WAIAU	2513800 5839200	Lowry	2
N32071	Waiau cemetery res	.3591	Local Purpose Cemetary Reserve	SEC 3 SO 747	XIII WAIAU	2513900 5839200	Lowry	2
N32072	Rec.res.	15.7550	Recreation Reserve	RS 41886 SO 16127	XIII WAIAU	2513934 5838886	Lowry	2
N32073	Public utility	1.0117	Local Purpose Utility Reserve	SECS 1,2, 3, 4, 5, 6, 7, 8, 9, 10 SO 748	XIII WAIAU	2513751 5838591	Lowry	2
N32074	Utility	1.0117	Local Purpose Utility Reserve	SEC 1,2, 3, 4, 5, 6, 7, 8, 9, 10	XIII WAIAU	2513686 5838469	Lowry	2
N32075	Pt Waiau Riverbed	4.5000	Section 62, Conservation Act	CROWN LAND	XIV WAIAU	2518285 5837410	Lowry	2
N32076	Rotherham rec reserve	4.0822	Recreation Reserve	LOT 1 DP 7364	IV CULVERDEN	2506100 5834300	Lowry	2
N32077	Gravel res.	.6070	Local Purpose Gravel Reserve	RES 3553	IX WAIAU	2514413 5842987	Lowry	2
N32079	Pt Cheddar Valley Farm sett	21.6260	Section 62, Conservation Act	SEC2 SO 18656 PT LOT2 DP 5331	XI,XV WAIAU	2522994 5840720	Lowry	2
N32086	Hanmer Springs marginal strip	1.5000	Marginal Strip	ADJ SEC 40 54 78	I LYNDON	2594500 5854300	Hurunui	2
N32087	Percival River marginal strip	1.0000	Marginal Strip	ADJ RS 38209	II LYNDON	2496040 5852378	Hurunui	2
N32088	Percival River marginal strip	2.6000	Marginal Strip	ADJ RS 38208	II LYNDON	2496325 5852491	Hurunui	2
N32089	Percival River marginal strip	5.9000	Marginal Strip	ADJ RS 38494	I II V LYNDON	2495198 5851337	Hurunui	2
N32090	Percival River marginal strip	5.5000	Marginal Strip	ADJ RS 38213 39283	I II V LYNDON	2495263 5850841	Hurunui	2
N32091	Hanmer River marginal strip	5.8000	Marginal Strip	ADJ RS 38218 38497	V VI LYNDON	2496899 5849072	Hurunui	2
N32092	Hanmer River marginal strip	9.9000	Marginal Strip	ADJ RS 37668 37746 37786	V VI LYNDON	2495442 5848708	Lowry	2
N32093	Hanmer River marginal strip	36.8000	Marginal Strip	ADJ RS 37672 37673 ADJ RS 37932 ADJ SEC2 10 14	III IV VI VII LYNDON	2505579 5851184	Hurunui	2
N32094	Lottery River marginal strip	63.0000	Marginal Strip	ADJ RS 41379 SO 15771A ADJ SEC 36	XIV TERAKO I II WAIAU	2515344 5852612	Hurunui	2
N32095	Mason River marginal strip	.6000	Marginal Strip	ADJ RES 4962	X WAIAU	2518690 5845364	Lowry	2
N32096	Mason River marginal strip	7.2000	Marginal Strip	ADJ SEC 47 52	IX X WAIAU	2517023 5841983	Lowry	2
N32097	Mason River marginal	2.0000	Marginal Strip	ADJ SEC 53 301	IX WAIAU	2514762	Lowry	2

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
	strip					5841174		
N32098	Waiau River marginal strip	14.6000	Marginal Strip	ADJ RS 40383 41680	XII XVI LYNDON IX XIII WAIU	2509405 5840752	Lowry	2
N32099	Waiau River marginal strip	3.8000	Marginal Strip	ADJ RS 38137 41220	XVI LYNDON XIII WAIU	2511512 5839754	Lowry	2
N32100	Bourne Stream marginal strip	.4000	Marginal Strip	ADJ SEC 47	X WAIU	2520027 5842638	Lowry	2
N32101	Bourne Stream marginal strip	.2000	Marginal Strip	ADJ SEC 39	X WAIU	2520105 5842601	Lowry	2
N32102	Bourne Stream marginal strip	1.4000	Marginal Strip	ADJ SEC 47	X WAIU	2519807 5841507	Lowry	2
N32103	Bourne Stream marginal strip	1.3000	Marginal Strip	ADJ SEC 14 50 51	X WAIU	2519767 5841130	Lowry	2
N32104	Bourne Stream marginal strip	.8000	Marginal Strip	ADJ SEC 52	XIV WAIU	2519173 5840047	Lowry	2
N32105	Bourne Stream marginal strip	.7000	Marginal Strip	ADJ SEC 14	XIV WAIU	2519226 5839987	Lowry	2
N32106	Stanton River marginal strip	.8000	Marginal Strip	ADJ RS 40041	XI WAIU	2522925 5842691	Lowry	2
N32107	Stanton River marginal strip	.8000	Marginal Strip	ADJ RS 40039	XI WAIU	2522462 5842486	Lowry	2
N32108	Stanton River marginal strip	1.0000	Marginal Strip	ADJ RS 40036 40037	XI WAIU	2521965 5842377	Lowry	2
N32109	Stanton River marginal strip	2.9000	Marginal Strip	ADJ RS 40035 40038 40040	XI WAIU	2522430 5842386	Lowry	2
N32110	Hanmer Springs marginal strip	1.8000	Marginal Strip	ADJ RS 38211 38212 40030	II LYNDON	2496404 5852384	Hurunui	2
N32111	Cheddar Valley marginal strips	50.0000	Marginal Strip	ADJ SEC 1 SO 18656	XV WAIU	2522375 5832614	Lowry	2
N33005	Post office reserve	.4269	Government Purpose Post Office Reserve	RES 3778	VI CULVERDEN	2497694 5825948	Lowry	5
N33006	Police station reserve	2.0436	Government purpose police station reserve	RES 4040 RES 4348	VI CULVERDEN	2497493 5825494	Lowry	5
N33015	Plantation	1.0749	Local Purpose Plantation Reserve	RES 4020	XIII CULVERDEN	2492297 5816625	Lowry	5
N33018	Gravel reserve	.3591	Local Purpose Gravel Reserve	RES 3130	XVII LOWRY PEAKS	2519621 5812330	Lowry	5
N33019	Gravel reserve	.3035	Local Purpose Gravel Reserve	RES 3133	XVIII LOWRY PEAKS	2521434 5812682	Lowry	5
N33020	Gravel reserve	3.0681	Local Purpose Gravel Reserve	PT RES 3132 RS 40828	XVIII LOWRY PEAKS XVIII LOWRY PEAKS	2522529 5813168	Lowry	5
N33022	Gravel reserve	1.4164	Local Purpose Gravel Reserve	RES 3131	XVIII LOWRY PEAKS	2523551 5813852	Lowry	5
N33023	Gravel reserve	.0303	Local Purpose Gravel Reserve	PT RES 3128	XVI LOWRY PEAKS	2526924 5815341	Lowry	5
N33024	Government purpose reserve	.1011	Government Purpose Reserve	RES 3407	XVI LOWRY PEAKS	2527800 5816300	Lowry	5
N33025	Government buildings	.1011	Government Purpose Government Buildings Reserve	RES 3408	XVI LOWRY PEAKS	2527800 5816200	Lowry	5
N33027	Domett rec.reserve	7.9040	Recreation Reserve	RES 3241, 3158	XVI LOWRY PEAKS	2528305 5816216	Lowry	5
N33029	Domett rec.reserve	.1011	Recreation Reserve	RES 3848	XVI LOWRY PEAKS	2527800 5816100	Lowry	5
N33030	Domett rec.reserve	5.7616	Recreation Reserve	RES 3177 SEC 71	X LOWRY PEAKS	2527883 5814602	Lowry	5

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N33031	Gravel reserve	.6070	Local Purpose Gravel Reserve	RES 3993	XIX LOWRY PEAKS	25 26983 58 15040	Lowry	5

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N33038	Cons area	.0352	Section 62, Conservation Act	RS 41769	XI STONYHURST	2513636 5801918	Lowry	5
N33042	Conservation area	7.5000	Section 62, Conservation Act	CROWN LAND	XII STONYHURST	2522044 5802521	Lowry	5
N33043	Landing place	6.0702	Government Purpose Reserve	RES 75	XIII STONYHURST	2524090 5803439	Lowry	5
N33045	Unnamed Crown land adj. Pacific Ocean.	10.0000	Section 62, Conservation Act	CROWN LAND	XIII STONYHURST II WELD	2525607 5803551	Lowry	5
N33047	Pahau River marginal strip	2.0000	Marginal Strip	ADJ SEC 77	V CULVERDEN	2492928 5826794	Lowry	5
N33048	Culverden marginal strip	.4000	Marginal Strip	ADJ SEC 75	IX CULVERDEN	2595000 5824500	Lowry	5
N33049	Pahau River marginal strip	.2000	Marginal Strip	ADJ RS 40050	X CULVERDEN	2596200 5823200	Lowry	5
N33050	Hurunui River marginal strip	.5000	Marginal Strip	ADJ RS 37737	I WAIKARI	2596900 5817500	Lowry	5
N33051	Balmoral picnic area	17.2150	Section 62, Conservation Act	RS 40568	XIII CULVERDEN	2491093 5815358	Lowry	5
N34001	Omihī rec.reserve	3.7433	Recreation Reserve	LOT2 DP 13899	XVIII WAIKARI	2498265 5798410	Lowry	5
N34003	Rec.reserve	.1498	Recreation Reserve	LOTS 12,13 DP 36671	I TEVIOTDALE	2590400 5894400	Lowry	5
N34005	Conservation area	60.0000	Section 62, Conservation Act	CROWN LAND CROWN LAND	XV,XVI STONYHURST XV STONYHURST	2513289 5795606	Lowry	5
N34006	Motunau River marginal strip	.2500	Marginal Strip		XV STONYHURST	2516291 5795569	Lowry	5
N34010	Motunau Beach Conservation area	4.0851	Section 62, Conservation Act	PT LOT 1 DP 11958 RS 40703 RS 40704 SO 17144	XV STONYHURST	2516592 5795359	Lowry	5
N34022	Conservation area adj.Pacific Ocean	2.5000	Section 62, Conservation Act	CROWN LAND	IV TEVIOTDALE	2504659 5790965	Lowry	5
N34024	Unalienated Crown land adj. Pacific Ocean	10.0000	Section 62, Conservation Act	CROWN LAND	VII TEVIOTDALE	2499491 5788658	Lowry	5
N34026	Unalienated Crown land adj.Pacific Ocean	10.0000	Section 62, Conservation Act	CROWN LAND	VI,X TEVIOTDALE	2494461 5785139	Plains	5
N34027	Rec.reserve	2.4069	Recreation Reserve	RS 41905, 41906, 41907	VIII TEVIOTDALE	2492520 5782680	Plains	5
N34029	Amberley Beach rec.reserve	27.6890	Recreation Reserve	RS 42281, 42016, 42017, 42018 RS 42019, 42282, 42283 RS 42284, 42287	VIII TEVIOTDALE	2491860 5781499	Plains	5
N34030	Conservation area	4.5085	Section 62, Conservation Act	RS 41209 PT RS 38170 CROWN LAND RS 41919	VIII TEVIOTDALE	2492253 5782341	Plains	5
N34038	Conservation area adj. Pacific Ocean	29.0000	Section 62, Conservation Act	CROWN LAND	VIII,IX TEVIOTDALE XVII RANGIORA	2488088 5772252	Plains	5
N34040	Leithfield Domain	17.2072	Recreation Reserve	PT RES 3595 PT RES 4224 PT RES 4124 PT RES 4647	IX TEVIOTDALE	2490073 5777813	Plains	5
N34042	K wai River mouth	24.5000	Section 62, Conservation Act	PT RES 867	IX TEVIOTDALE	2490600 5778800	Plains	5
N34043	Amberley Beach	15.0000	Section 62, Conservation Act	CROWN LAND SO 17144	VIII, X TEVIOTDALE	2492186 5781801	Plains	5
N34044	Amberley Beach marginal strip	3.0000	Marginal Strip	ADJ RS22329	IX TEVIOTDALE	2491077 5779434	Plains	5
N34045	Motunau Beach marginal strip	1.5000	Marginal Strip	ADJ RS 39062 39064 41332	XV STONYHURST	2516939 5797967	Lowry	5
N36011	Cemetery reserve	.2023	Local Purpose Cemetery Reserve	RES 4936 LOT 1 DP 19393	I OKAINS	2509863 5725700	Banks Peninsula	9
N36013	Unnamed rec.reserve	.7132	Recreation Reserve	RES 4537	V PIGEON BAY	2494027 5726134	Banks Peninsula	9

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
N36014	Conservation area	.8800	Section 62, Conservation Act	CROWN LAND	III PIGEON BAY	2492038 5723520	Banks Peninsula	9
N36032	Gravel reserve	.4906	Local Purpose Gravel Reserve	RES 3025	XV PIGEON BAY	2503907 5719692	Banks Peninsula	9
N36039	Cons Area	.2276	Section 62, Conservation Act	RS21057	IV OKAINS	2515443 5723321	Banks Peninsula	9
N36042	Cemetery	2.0234	Local Purpose Cemetary Reserve	RES 1909	VI,VII OKAINS	2518179 5720541	Banks Peninsula	9
N36048	Cons Area	2.5000	Section 62, Conservation Act	CROWN LAND	I GOUGHS	2510350 5711811	Banks Peninsula	9
N36055	Cemetery extension	.6272	Local Purpose Cemetary Reserve	RES2546	VIII AKAROA	2506700 5710500	Banks Peninsula	9
N36080	DOC base Akaroa	1.6713	Local Purpose Utility Reserve	RS 41028	IV AKAROA	2507483 5712273	Banks Peninsula	9
N36085	Hammond Point rec.reserve	.8180	Recreation Reserve	RS 41166,41167	IV AKAROA	2505972 5714668	Banks Peninsula	9
N36090	Robinsons Bay rec.reserve	.7840	Recreation Reserve	RES 4706	XV PIGEON BAY	2506831 5716302	Banks Peninsula	9
N36092	Recreation reserve	.6565	Recreation Reserve	LOT 4 DP 55117	XV PIGEON BAY	2505646 5716485	Banks Peninsula	9
N36093	Pt Duvauchelle rec.reserve	3.0142	Recreation Reserve	LOT 7,10 DP 4974 RES 4013 SO 5468 LOT 1 DP 21679 LOT 1 DP 39716 LOT 8 DP 61670	XV PIGEON BAY	2505467 5717050	Banks Peninsula	9
N36106	Petit Carenage rec.reserve	4.9096	Recreation Reserve	RES 169	IV AKAROA	2503524 5712957	Banks Peninsula	9
N36109	Stanbury rec.reserve	2.0876	Recreation Reserve	LOT2 DP 43190	VII AKAROA	2502412 5710506	Banks Peninsula	9
N36111	Wainui rec.reserve	.0546	Recreation Reserve	RES 4364	VII AKAROA	2502217 5710072	Banks Peninsula	9
N36114	Post office	.1011	Government Purpose Post Office Reserve	RES 3804	VII AKAROA	2502179 5709964	Banks Peninsula	9
N36123	Conservation area	.8093	Section 62, Conservation Act	RES 3023	XIII PIGEON BAY	2494437 5716567	Banks Peninsula	9
N36128	Conservation Area	12.6599	Section 62, Conservation Act	PT RS 9091 CROWN LAND CROWN LAND CROWN LAND PT RS 11554 PT RES 3186,890 PT RS 11554 LOT 3 DP 9008 CROWN LAND	I AKAROA	2492073 5713922	Banks Peninsula	9
N36148	Conservation area	.4000	Section 62, Conservation Act	PT RES 160	IV OKAINS	2514198 5723105	Banks Peninsula	9
N36151	Rangers residence	.9555	Section 62, Conservation Act	PT RS 335 PT LOT 4 DP 9662 LOT 1 DP 14191 SO 17145	XIV PIGEON BAY	2502672 5716080	Banks Peninsula	9
N36154	Conservation area	.1000	Section 62, Conservation Act	CROWN LAND	X PIGEON BAY	2502120 5725094	Banks Peninsula	9
N36157	Port Levy/Koukourarata marginal strip	.6000	Marginal Strip	ADJ RS 37808	V PIGEON BAY	2495465 5729069	Banks Peninsula	9
N36158	Okains Bay marginal strip	.2000	Marginal Strip	ADJ RES 5044	IV OKAINS	2514690 5723630	Banks Peninsula	9
N36159	Akaroa marginal strip	.1500	Marginal Strip	ADJ SEC20 70 163	IV AKAROA	2407400 5711500	Banks Peninsula	9
N36161	Goodwin Scenic Reserve	11.6404	Scenic Reserve	LOT 1 DP 50898	XI PIGEON BAY	2504911 5723662	Banks Peninsula	9
N37010	Cape Three Points	.1466	Section 62, Conservation Act	PT RES 152	VII AKAROA	2502687 5708688	Banks Peninsula	9
O32005	Cemetery	2.9263	Local Purpose	SEC 47	XII HAWKSWOOD	2547914	Lowry	2

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
				Cemetery Reserve		5842805		
O32008	Parnassus domain	3.1363	Recreation Reserve	RES 4546	1 CHEVIOT	2535479	Lowry	2
						5833740		

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
O32009	Parnassus rec reserve	.2033	Recreation Reserve	LOT 1 DP24809	I CHEVIOT	2534260 5833585	Lowry	2
O32010	Parnassus rec reserve	2.3092	Recreation Reserve	RES 4560	I CHEVIOT	2534098 5832892	Lowry	2
O32011	Conservation area	60.4281	Section 62, Conservation Act	CROWN LAND	I CHEVIOT	2534650 5833247	Lowry	2
O32013	Conservation area	18.3879	Section 62, Conservation Act	RES 3179	I CHEVIOT	2531834 5830900	Lowry	2
O32014	Conservation area	15.0000	Section 62, Conservation Act	CROWN LAND	I CHEVIOT	2532281 5830758	Lowry	2
O32015	Conservation area	6.5000	Section 62, Conservation Act	CROWN LAND	I CHEVIOT	2534079 5830254	Lowry	2
O32016	Conway Village Crown land	7.7990	Section 62, Conservation Act	SECS 1,2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19,20,21,22,23 AND PT DRAIN RES SO 17148	XII HAWKSWOOD	2548118 5843277	Lowry	2
O32018	Conway River marginal strip	10.0000	Marginal Strip	ADJ LOT 5 6 DP 42962	IX XIII TOWY	2531990 5858738	Lowry	2
O32019	Campbell Stream marginal strip	3.0000	Marginal Strip	ADJ LOT 5 DP 42962	XIII TOWY	2531855 5858584	Lowry	2
O32020	Leader River marginal strip	.6000	Marginal Strip	ADJ RS 38808	XIII HAWKSWOOD	2532500 5839700	Lowry	2
O32021	Leader River marginal strip	.1000	Marginal Strip	ADJ RS 38808	XIII HAWKSWOOD	2534200 5836600	Lowry	2
O32022	Leader River marginal strip	.1000	Marginal Strip	ADJ RS 38807	XIII HAWKSWOOD	2534200 5836500	Lowry	2
O32023	Parnassus marginal strip	5.0000	Marginal Strip	ADJ RS 37589 37591 37700	I CHEVIOT	2534527 5833101	Lowry	2
O32024	Waiiau River marginal strip	11.4000	Marginal Strip	ADJ RS 37590 41515	I CHEVIOT	2534449 5831308	Lowry	2
O32025	Leader River marginal strip	2.0000	Marginal Strip	ADJ RES 4546 ADJ LOT 6 36 DP2160	I CHEVIOT I CHEVIOT	2534792 5833234	Lowry	2
O32026	Leader River marginal strip	.8000	Marginal Strip	ADJ LOT 3 DP 6057	I CHEVIOT	2534906 5831989	Lowry	2
O32027	Waiiau River marginal strip	8.2000	Marginal Strip	ADJ LOT DP 13978 RS 37586 37587 37720	ADJ I V CHEVIOT	2536286 5829669	Lowry	2
O32028	Waiiau River marginal strip	7.2000	Marginal Strip	ADJ RS 37586 37587	VI CHEVIOT	2542700 5830000	Lowry	2
O33002	Limestone quarry	4.0468	Local Purpose Reserve	RES 3215	IV CHEVIOT	2535975 5828649	Lowry	5
O33003	Conservation area	1.0554	Section 62, Conservation Act	CROWN LAND SO 14606 RS 40909,40910 SO 14606	IV CHEVIOT	2535985 5828395	Lowry	5
O33006	Rec reserve	25.6200	Recreation Reserve	RS 41128	V CHEVIOT	2540199 5826074	Lowry	5
O33007	Rec reserve	2.0234	Recreation Reserve	RES 3145	V CHEVIOT	2540151 5825346	Lowry	5
O33011	Limestone quarry	18.9519	Local Purpose Reserve	SEC 129	VII CHEVIOT	2534936 5821954	Lowry	5
O33013	Cheviot section	.0925	Section 62, Conservation Act	SEC 34		2531155 5822189	Lowry	5
O33028	Cheviot police station	.2022	Government purpose police station reserve	RES 3403 RES 3404	VII CHEVIOT	2532500 5821500	Lowry	5
O33031	Cheviot council buildings	.1011	Local Purpose Reserve	RES 3167	VII CHEVIOT	2532500 5821400	Lowry	5
O33036	Drain reserve	3.2451	Local Purpose Reserve	RS 41867 RES 4927	RES 4928 VII CHEVIOT VII CHEVIOT	2531500 5820900	Lowry	5
O33041	Drain	1.1665	Local Purpose Reserve	RS 41866	XII LOWRY PEAKS	2530842	Lowry	5

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
						5820616		

Land Unit	Description	Area (ha)	Legal Status	Legal Description	Survey Block and District	NZ Map Grid Reference	Place	CMS Map Sheet #
O33044	Quarry	.5410	Local Purpose Gravel Reserve	RES 3713	IX CHEVIOT	2535409 5817180	Lowry	5
	Conservation area	.9105	Section 62, Conservation Act	CROWN LAND SO 1397	XI CHEVIOT	2535230 5815974	Lowry	5
O33055	Reservoir	2.4281	Local Purpose Reserve	RES 3216	XI CHEVIOT	2535098 5813749	Lowry	5
O33060	Rec reserve	3.3690	Recreation Reserve	SEC 46	XI CHEVIOT	2532468 5811171	Lowry	5
O33062	Rec reserve	2.6648	Recreation Reserve	RS 40222	I WELD	2532172 5811142	Lowry	5
O33064	Drain	6.4167	Local Purpose Reserve	RES 3222	XII LOWRY PEAKS	2530012 5820717	Lowry	5
O33067	Drain	.7866	Local Purpose Reserve	RES 3221	XII CHEVIOT	2530913 5823632	Lowry	5
O33068	Conservation area	37.5000	Section 62, Conservation Act	CROWN LAND DP 2275	I & II WELD	2532105 5809405	Lowry	5
O33069	Conservation area	123.6000	Section 62, Conservation Act	RS 40808 PT RES 3666	V & VI CHEVIOT	2540256 5826636	Lowry	5
O33071	Rangers residence	.1216	Section 62, Conservation Act	SEC 33 SO 17149	VIII CHEVIOT	2532000 5821700	Lowry	5
O33073	Waiiau River marginal strip	.8000	Marginal Strip	ADJ RS 37587	V CHEVIOT	2539097 5827260	Lowry	5
O33074	Cheviot marginal strip	.9000	Marginal Strip	ADJ SEC2	VIII CHEVIOT	2535131 5821621	Lowry	5
O33075	Jed River marginal strip	7.5000	Marginal Strip	ADJ RS 41237	IX CHEVIOT	2534083 5818191	Lowry	5
O33076	Jed River marginal strip	1.5000	Marginal Strip	ADJ RS 41238	IX CHEVIOT	2533200 5818400	Lowry	5
O33077	Jed River marginal strip	2.0000	Marginal Strip	ADJ RS 41239 ADJ RES 3141	IX CHEVIOT IX CHEVIOT	2534700 5818000	Lowry	5
O33078	Burron Stream marginal strip	.5000	Marginal Strip		IX CHEVIOT	2535500 5816800	Lowry	5

LAND UNIT: G38001	NAME: AHURIRI CONSERVATION AREA		
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2238730 5659198 Legal Description : PT SEC 3338 & 3339 SO 18097 Survey Blk & District : HUNTER STAFFORD	CMS Map # : 10 Area : 1880.0000 ha Ecological District : Wanaka Area Office : Twizel District Council : Waitaki		
DESCRIPTION <p>General: Lower steep to very steep mountain hillslopes along a long stretch of wide glaciated river valley, both sides in parts, in montane beech/tawai forest, with some areas of silver beech/tawai.</p> <p>Location: Upper Ahuriri River valley, W of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Mountain beech/tawai forest; silver beech/tawai forest; sub-alpine scrub (small areas); valley floor grasslands.</p> <p>Main Plant Species: Mountain beech/tawai, mountain totoa, snow t tara, <i>Coprosma</i> spp./karam ; silver beech/tawai, thin-bark t tara (occasional), <i>Polystichum vestitum</i>; <i>Dracophyllum uniflorum</i>, snow t tara, <i>Poa colensoi</i>; introduced grasses, hard tussock.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <i>Nothofagus solandrii</i> - var <i>cliffortioides</i>/ tawai <i>Nothofagus menziesii</i>/tawai <i>Podocarpus hallii</i> <i>Podocarpus nivalis</i> <i>Festuca matthewsii</i> Introduced grasses </td> <td style="width: 50%; vertical-align: top;"> <i>Corposma</i> sp./karam <i>Dracophyllum uniflorum</i> <i>Poa colensoi</i> <i>Polystichum vestitum</i> <i>Festuca novae zelandiae</i> </td> </tr> </table> <p>Notable Fauna: Bellbirds/k parapara or korimako, brown creeper/p pipi, rifleman/t tipo namu, tomtit/miromiro, yellow-crowned k k riki (fairly common), kea, k re rea/NZ falcon.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V); <i>Alepis flavida</i> (B;IUCN-V), <i>Pittosporum patulum</i> (B) ANIMALS: Yellow-crowned k k riki (C); kea (B), k re rea/NZ falcon (B).</p> <p>andscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: A number of early Forest Service huts originally used for wild animal control in the 1950s and 60s.</p> <p>Visitor Use: Trampers, climbers and shooters</p> <p>Facilities: 1 six bunk hut, 1 four bunk hut, 2 two bunk huts.</p> <p>Other Features: Shamrock Hut Flats has surprisingly low altitude examples of <i>Festuca matthewsii</i> with mountain totoa and bog pine in small isolated clumps along forest edge (an unusual vegetation type), <i>Phyllocladus alpinus/totoa</i>, <i>Dacrydium bidwillii</i> also Canyon Creek a nationally important geological site</p>		<i>Nothofagus solandrii</i> - var <i>cliffortioides</i> / tawai <i>Nothofagus menziesii</i> /tawai <i>Podocarpus hallii</i> <i>Podocarpus nivalis</i> <i>Festuca matthewsii</i> Introduced grasses	<i>Corposma</i> sp./karam <i>Dracophyllum uniflorum</i> <i>Poa colensoi</i> <i>Polystichum vestitum</i> <i>Festuca novae zelandiae</i>
<i>Nothofagus solandrii</i> - var <i>cliffortioides</i> / tawai <i>Nothofagus menziesii</i> /tawai <i>Podocarpus hallii</i> <i>Podocarpus nivalis</i> <i>Festuca matthewsii</i> Introduced grasses	<i>Corposma</i> sp./karam <i>Dracophyllum uniflorum</i> <i>Poa colensoi</i> <i>Polystichum vestitum</i> <i>Festuca novae zelandiae</i>		
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Cattle grazing, red deer, chamois, possums, stoats, feral cats. Thar</p> <p>Plant Threats: To be assessed</p> <p>Other: Unknown.</p>			
MANAGEMENT <p>Issues: Restrict cattle grazing in and along forests, wild animal control, access 'through' Birchwood Station</p> <p>Priorities: - Assess plant threats - Restrict grazing - Wild animal control - Signage at entrance to valley - Birchwood Station - "Ahuriri Conservation Area"</p>			

LAND UNIT: G40001	NAME: LINDIS PASS SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2243526 5620177 Legal Description : SEC 1 & 2 SO 18047 Survey Blk & District : III LINDIS	CMS Map # : 13 Area : 160.0000 ha Ecological District : Lindis Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Sculptured smooth hillslopes and prominent ridges in montane to sub-alpine snow tussock grassland with very occasional shrubs.</p> <p>Location: Lindis Pass, SW of Omarama, Mackenzie basin. The conservancy boundary bisects this reserve, a further 243ha falls into Otago conservancy. The whole reserve is managed from Twizel Area Office.</p> <p>Main Ecosystems: Narrow-leaved snow tussock grassland; silver tussock/w grassland.</p> <p>Main Plant Species: <i>Chionochloa rigida</i>, <i>Carmichaelia monroi</i>, <i>Chionochloa macra</i>, <i>Cyathodes fraseri</i>, <i>Raoulia subsericea</i>, <i>Pimelea prostrata</i>; <i>Poa cita</i>/w , <i>Bulbinella angustifolia</i>, <i>Schoenus pauciflorus</i>.</p> <p>Notable Fauna: Fauna not investigated. Potential lizard habitat.</p> <p>Threatened Species: <i>Coprosma intertexta</i> (IUCN-L)</p> <p>Landscape: Is a nationally significant natural feature or landscape</p> <p>Historic/Cultural: Boundary hut ruin (see cover and p.67 of Whelan 1989).</p> <p>Visitor Use: High</p> <p>Facilities: Signs, rubbish disposal (Council)</p> <p>Other Features: Very high scenic values.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Grazing - sheep and cattle; rabbits</p> <p>Plant Threats: Hieracium spp. (associated with grazing); lupins (potential); nodding thistle, broom.</p> <p>Other: Fire; small size threatens long-term viability; risk of over-sowing and topdressing from neighbouring properties; roading works</p>	
MANAGEMENT <p>Issues: Restrict stock grazing, especially cattle; fire control; reduced rabbit numbers; fence reserve; investigate securing a larger reserved area., weed control, interpretation.</p> <p>Priorities: Fencing and grazing management. Rabbit control. Weed control. Interpretation. Landscape assessment.</p>	

LAND UNIT: H36001	NAME: AORAKI/MT COOK NATIONAL PARK
ADMINISTRATION Legal Status : National Park Reserve Classified ? : N/A Grid Reference : 2290635 5732370 Legal Description : RES 2124 SO 5351 PT RES 2652 SO 9850, 9975 RES 2756,4003 SO 11505 RS 35556,35557 SO 4589 RS 39854,39855,,39857 SO 11440 RS 39863,39867,39868,39861 SO 11349 RS 39870,39866,39865,39864 11 349 RS 40018,40022,40023 SO 11660 RS 4 Survey Blk & District : V.IX KARANGARUA CASS XIII COOK II, IV, VI, VII, IX, X, XII, XIII,XIV,XVII,XVIII MUELLER CASS COOK MUELLER X MUELLER X MUE	CMS Map # : 6 Area : 70728.0917 ha Ecological District : Aoraki Area Office : Mount Cook District Council : Mackenzie
DESCRIPTION <p>General: Large and diverse area of steep southern Alps mountainlands with large variety of ecosystems (from forests to nival rock vegetation) across a huge altitudinal and bioclimatic range (650-3700m.a.s.l.). Aoraki/Mount Cook, the Mount Cook Range and its surrounding ice-fields have Tōpuni status under the Ngāi Tahu Claims Settlement Act 1998.</p> <p>Location: N and W of Aoraki/Mt Cook Village, N of Lake Pūkaki, Mackenzie Basin.</p> <p>Main Ecosystems: 1. Plants on perennial snow and ice; 2. Alpine grassland and herbfield; Basin 3. Vegetation on nival and subnival rock and debris; 4. Vegetation on transported debris; 5. Shrubland and scrub; 6. Vegetation on alpine rock and debris; 7. Subalpine and montane grassland; 8. Vegetation on subalpine and montane rock; 9. Forest.</p> <p>Main Plant Species: 1. Various snow algae spp.; 2. <i>Anisotome flexuosa</i>, <i>Chionochloa crassiuscula</i>, <i>C. pallens</i>, <i>Poa colensoi</i>; 3. lichen and bryophyte spp., <i>Hebe haastii</i>, <i>Ranunculus grahamii</i>, <i>Raoulia youngii</i>; 4. <i>Trentepohlia iolithus</i> (alga), <i>Epilobium melanocaulon</i>, <i>Racomitrium pyrophyllum</i>; 5. <i>Dracophyllum uniflorum</i>, <i>Chionochloa flavescens</i>, <i>Podocarpus nivalis</i>, <i>Aciphylla aurea</i>, <i>Polystichum vestitum</i>; 6. <i>Leucogenes grandiceps</i>, <i>Ourisia caespitosa</i>; 7. <i>Chionochloa rigida</i>, <i>Festuca</i> "short tussock"; 8. <i>Parahebe lyalli</i>, southern r t , <i>Helichrysum selago</i>; 9. Mountain t tara, broadleaf/k puka, <i>Phyllocladus alpinus</i>/toatoa, silver beech/tawai, <i>Schoenus pauciflorus</i>, <i>Juncus novae zelandiae</i>/w w , <i>Oreophilus pectinatus</i>.</p> <p>Notable Fauna: K re rea/NZ falcon, black and little shag/k au, banded dotterel/pohowera, wrybill/ngutupare, black stilt/kak , white heron/k tuku, black-billed gull, black-fronted tern/tarapirohe, kerer , kea, yellow-crowned k k riki, morepork/ruru koukou, rifleman/t tipounamu, rock wren, tomtit/miromiro, NZ pipit/p hoihoi, tüi, jeweled gecko, snow wētā, Aorio aurimaculata (moth), Erebiola butleri (mountain butterfly).</p> <p>Threatened Species: PLANTS: <i>Alepis flavida</i> (B;IUCN-V), <i>Crassula multicaulis</i> (IUCN-L), <i>Deschampsia caespitosa</i> (C, IUCN-V), <i>Epilobium purpuratum</i> (IUCN-L), <i>Pittosporum patulum</i> (?) (B;IUCN-E), <i>Ranunculus godleyanus</i> (IUCN-R), <i>R. grahamii</i> (IUCN-L), <i>Senecio dunedinensis</i> (I, IUCN-I). BIRDS: k re rea (B), banded dotterel/pohowera (C), Wrybill/ngutupare (B), black fronted tern/tarapirohe (B), black stilt/kak (A), white heron/k tuku (O), kerer (B), kea (B), yellow crowned k k riki (C), rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Pursuant to the Ngāi Tahu Claims Settlement Act (and schedule 80 of that Act), the Crown has acknowledged Te Rūnanga o Ngāi Tahu 's statement of Ngāi Tahu's cultural, spiritual, historic and/or traditional values relating to Aoraki/Mount Cook, as set out below. The park contains many historic sites, including the Sawyer Stream power station, Sefton Lodge, Wakefield Cottage, First Hermitage site, Alpine Memorial, Sefton Bivi, Hooker Hut, Wakefield Track, Ball Hut site.</p> <p>Visitor Use: Recreation, tourism</p> <p>Facilities: 1 twenty four bunk hut, 1 twenty two bunk hut, 1 nineteen bunk hut, 1 fifteen bunk hut, two twelve bunk huts, two ten bunk huts, two eight bunk huts, two six bunk huts, 1 four bunk hut, two shelters, one bivy, one public shelter, one fifty site camping ground.</p> <p>Other Features: Geopreservation sites: Ben Ohau vein, folds and fault structures; Copeland Pass Schist Section; Haackel Fold, Murchison Valley; Tasman Glacier blue lakes; Celmisia flat moraine wall; Blue Lakes Moraine.</p>	
TE RŪNANGA'S STATEMENT OF NGĀI TAHU VALUES RELATING TO THE AORAKI/MOUNT COOK TŌPUNI AREA <p>In the beginning there was no Te Wai Pounamu or Aotearoa. The waters of Kiwa rolled over the place now occupied by the South Island, the North Island and Stewart Island. No sign of land existed.</p> <p>Before Raki (the Sky Father) wedded Papa-tua-nuku (the Earth Mother), each of them already had children by other unions. After the marriage, some of the Sky Children came down to greet their father's new wife and some even married Earth Daughters.</p> <p>Among the celestial visitors were four sons of Raki who were named Ao-raki (Cloud in the Sky), Raki-roa (Long Raki), Raki-rua (Raki the Second), and Raraki-roa (Long Unbroken Line). They came down in a canoe which was known as Te Waka-o-Aoraki. They cruised around Papa-tua-nuku who lay as one body in a huge continent known as Hawaiiki.</p>	

Then, keen to explore, the voyagers set out to sea, but no matter how far they travelled, they could not find land. They decided to return to their celestial home but the karakia (incantation) which should have lifted the waka (canoe) back to the heavens failed and their craft ran aground on a hidden reef, turning to stone and earth in the process.

The waka listed and settled with the west side much higher out of the water than the east. Thus the whole waka formed the South Island, hence the name: Te Waka-o-Aoraki. Aoraki and his brothers clambered on to the high side and were turned to stone. They are still there today. Aoraki is the mountain known to Pākehā as Mount Cook, and his brothers are the next highest peaks near him. The form of the island as it now is owes much to the subsequent deeds of Tūterakiwhānoa, who took on the job of shaping the land to make it fit for human habitation.

For Ngāi Tahu, traditions such as this represent the links between the cosmological world of the Gods and present generations, these histories reinforce tribal identity and continuity between generations, and document the events which shaped the environment of Te Wai Pounamu and Ngāi Tahu as an iwi.

The meltwaters that flow from Aoraki are sacred. On special occasions of cultural moment, the blessings of Aoraki are sought through taking of small amounts of its 'special' waters, back to other parts of the island for use in ceremonial occasions.

The mauri of Aoraki represents the essence that binds the physical and spiritual elements of all things together, generating and upholding all life. All elements of the natural environment possess a life force, and all forms of life are related. Mauri is a critical element of the spiritual relationship of Ngāi Tahu Whānui with the mountain.

The saying 'he kapua kei runga i Aoraki, whakarewa whakarewa' ('the cloud that floats aloft Aoraki, for ever fly, stay aloft') refers to the cloud that often surrounds Aoraki. Aoraki does not always 'come out' for visitors to see, just as that a great chief is not always giving audience, or on 'show'. It is for Aoraki to choose when to emerge from his cloak of mist, a power and influence that is beyond mortals, symbolising the mana of Aoraki.

To Ngāi Tahu, Aoraki represents the most sacred of ancestors, from whom Ngāi Tahu descend and who provides the iwi with its sense of communal identity, solidarity and purpose. It follows that the ancestor embodied in the mountain remains the physical manifestation of Aoraki, the link between the supernatural and the natural world. The tapu associated with Aoraki is a significant dimension of the tribal value, and is the source of the power over life and death which the mountain possesses.

THREATS

To Ecological Features:

Animal Threats: Thar, red deer, chamois (all at relatively low levels at present); stock (?)

Plant Threats: Sweet cherry, broom, gorse, Russell lupin, wilding tress (rowan, larch), introduced pasture grasses, *Hieracium* spp.

To Historic/Cultural features:

Human & Animal Threats: disturbance or deliberate damage of historic features; harm to or diminution of Ngāi Tahu values relating to the Tōpuni.

Other: Tourism, potentially in all facets; fire.

MANAGEMENT

Issues: Tōpuni management (see the specific principles and actions required of the Director-General of Conservation, as set out below). Wild animal control, especially thar control to lowest practicable levels; weed control; managing tourism development and impacts. Adjacent land acquisition through surrender and tenure review.

Priorities:

Implementation of Tōpuni requirements (as below).
Management planning issues - residency in Aoraki/Mt Cook village, aircraft use and impacts.
Future management of Aoraki/Mt Cook village, gazetting as an amenities area.
Wild animal control.
Weed control (cherry, broom, gorse, lupin, and wilding trees).
S8 investigation of national park additions.

Management Plan: Current plan expires 1998. Concessions/sporting events, guiding sections and Aoraki/Mt Cook Village sections currently under review.

SPECIFIC PRINCIPLES RELATING TO TÖPUNI AREA (from Attachment 12.132 of the Deed of Settlement 1997)

The following specific principles are directed at the Minister of Conservation avoiding harm to, or the diminishing of, the Ngäi Tahu Values related to the Töpuni:

- (a) Encouragement of respect for Ngäi Tahu's association with Aoraki;
- (b) Accurate portrayal of Ngäi Tahu's association with Aoraki; and
- (c) Recognition of Ngäi Tahu's relationship with w hi tapu, including archaeological sites.

ACTIONS BY THE DIRECTOR-GENERAL OF CONSERVATION IN RELATION TO THE SPECIFIC PRINCIPLES

Pursuant to clause 12.5.10 of the Deed of Settlement, the Director-General has determined that the following actions will be taken by the Department of Conservation in relation to the specific principles:

(a) Encouragement of respect of Ngäi Tahu's association with Aoraki

Staff, conservation board members, concessionaires and the public will be provided with information about the Ngäi Tahu values and the existence of the Töpuni over Aoraki;

Educational material will be made available to climbers and all climbing guides explaining that to Ngäi Tahu standing on the very top of the mountain denigrates its tapu status;

A review of conditions to be applied generally to new concessions will be undertaken;

The removal of all rubbish and wastes from Aoraki will be encouraged;

The Department will ensure, as far as reasonably practicable, that it disposes of waste, particularly human waste, in a way that minimises risk of contamination of waterways; and

Te Rünanga will be consulted about the siting and design of new huts or other buildings, and particular regard will be had to their views.

(b) Accurate portrayal of Ngäi Tahu's association with Aoraki

The Department will ensure, as far as reasonably practicable, that Ngäi Tahu's association with Aoraki is accurately portrayed in all of its new public information and interpretative material; and

The Department will consult with Te Rünanga in provision of its new public information or interpretative material, and as far as reasonably practicable will only use Ngäi Tahu's cultural material with the consent of Te Rünanga.

(c) Recognition of Ngäi Tahu's relationship with w hi tapu, including archaeological sites

Significant earthworks and disturbances of soil and/or vegetation will be avoided wherever possible; and

Where significant earthworks and disturbances of soil and/or vegetation cannot be avoided, Te Rünanga will be consulted and particular regard will be had to its relevant policies, including those relating to Koiwi Tangata (unidentified human remains) and Archaeological and Rock Art Sites.

LAND UNIT: H36031	NAME: UPPER DOBSON CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2270083 5710208 Legal Description : CROWN LAND SO 17100 Survey Blk & District : XII, XIII, XVI, XVII MUELLER	CMS Map # : 6 Area : 2495.0000 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Steep to extremely steep, bare and sparsely vegetated, sub-alpine to nival rock fields, cirque basins and faces of permanent ice.</p> <p>Location: Upper Dobson River, Ben hau Range, S of Aoraki/Mt Cook National Park.</p> <p>Main Ecosystems: Inferred: 1. Plants on perennial snow and ice; 2. alpine grassland and herbfield; 3. vegetation on nival and subnival rock and debris; 4. vegetation on alpine rock and debris; 5. wetland associations on mountainside seeps and stream sides.</p> <p>Main Plant Species: Not known.</p> <p>Notable Fauna: Inferred: k re rea/NZ falcon, kea, rock wren.</p> <p>Threatened Species: Inferred: k re rea (B), kea (B), rock wren (C).</p> <p>Landscape: Nationally significant natural feature or landscape</p> <p>Historic/Cultural: Historic transalpine route to 3 Johns hut via Barron Saddle</p> <p>Visitor Use: Low at present, trampers, climbers, skiers</p> <p>Facilities: Nil</p> <p>Other Features: Helicopter landing sites in upper Neuman Range</p>	
THREATS To Ecological Features: <p>Animal Threats: Thar; stock.</p> <p>Plant Threats: Not known</p> <p>Other: Not known</p>	
MANAGEMENT <p>Issues: Thar control; biological survey - more information on this area needed. People movements.</p> <p>Priorities: Consider Conservation Park Status "Ohau". Thar control. Survey natural resources.</p>	

LAND UNIT: H37005	NAME: ROUND HILL FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2274515 5707855 Legal Description : RES 3348, 3349, 3350 SO 17100 Survey Blk & District : XVII, XVIII MUELLER II, III TASMAN	CMS Map # : 10 Area : 304.0000 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Three small patches of montane riparian beech forest on steep to very steep, east-facing mountain slopes on a glaciated mountain range east of the Southern Alps.</p> <p>Location: N end of the Ben Ohau Range, S of Aoraki/Mt Cook National Park, Mackenzie Basin.</p> <p>Main Ecosystems: Mountain beech/tawai forest; silver and mountain beech/tawai forest.</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, mountain toatoa, broadleaf/k puka , mountain fivefinger, thin-bark t tara, <i>Hebe salicifolia</i>/koromiko, prickly shield fern.</p> <p>Notable Fauna: Rifleman/t tipounamu, brown creeper, tomtit/miromiro, 2 gecko spp.</p> <p>Threatened Species: <i>Peraxilla tetrapetala</i> (B;IUCN-V)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low</p> <p>Facilities: N/A</p> <p>Other Features: Not known</p>	
THREATS To Ecological Features: <p>Animal Threats: Chamois, red deer, possum, thar, hares.</p> <p>Plant Threats: Sweet briar, gorse, wilding trees.</p> <p>Other: Fire (severe threat during late summer).</p>	
MANAGEMENT <p>Issues: Restrict stock access; wild animal control; biological survey - more info required.</p> <p>Priorities: Assess stock intrusion. Provide interpretation and tie in with Aoraki/Mt Cook.</p>	

LAND UNIT: H37007	NAME: DOBSON CONSERVATION AREA												
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2264038 5689058 Legal Description : RES 3344 & 3345 SO 17100 Survey Blk & District : III, IV HOPKINS XVI MUELLER I, V, IX TASMAN III, VI, X, XIV WARD	CMS Map # : 10 Area : 4140.0000 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie												
DESCRIPTION <p>General: Large area of moderately to very steep lower mountain slopes and ridges and gently sloping fan surfaces along a major open glaciated river bed and up tributary streams, in mixtures of mountain and silver beech forest in continuous bands and in patches, with sub-alpine scrub and tussock grassland in between.</p> <p>Location: Mid-Dobson River, head of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Mountain beech/tawai-silver beech/tawai forests with silver beech dominating at higher altitudes; sub-alpine scrub; snow tussock grassland.</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, thin-bark t tara, <i>Coprosma pseudocuneata</i>, <i>C. parviflora</i>, <i>Polystichum vestitum</i>, <i>Dracophyllum uniflorum</i>, snow t tara, mountain toatoa; <i>Chionochloa</i> spp., especially <i>C. pallens</i> and <i>C. flavida</i>.</p> <table border="0"> <tr> <td><i>Nothofagus menziesii</i>/tawai</td> <td><i>Coprosma parviflora</i></td> </tr> <tr> <td><i>Nothofagus sonadri</i> var <i>cliffortioides</i>/tawai</td> <td><i>Coprosma pseudocuneata</i></td> </tr> <tr> <td><i>Podocarpus hallii</i></td> <td><i>Polystichum vestitum</i></td> </tr> <tr> <td><i>Podocarpus nivalis</i></td> <td><i>Chionochloas pallens</i></td> </tr> <tr> <td><i>Phyllocladus alpinus</i>/toatoa</td> <td><i>Chionochloa flavida</i></td> </tr> <tr> <td><i>Dracophyllum uniflorum</i></td> <td></td> </tr> </table> <p>Notable Fauna: Brown creeper, rifleman/t tipounamu, bellbird/k parapara or korimako (noticeably uncommon), tomtit/miromiro, yellow-crowned k k riki, kea, k re rea/NZ falcon, longfinned eel, koaro.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V), <i>Pittosporum patulum</i> (B;IUCN-E). ANIMALS: Yellow-crowned k k riki (C), kea (B), k re rea/NZ falcon (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Kennedy Monument, L.A. Crens Hut</p> <p>Visitor Use: Medium, trampers, hunters, climbers</p> <p>Facilities: 1 six bunk hut, 1 four bunk hut, 1 two bunk hut</p> <p>Other Features: Interesting community of t tara, kaikawaka and pink pine near waterfall stream are unusual, and resemble those in Wilberforce catchment, Upper Rakaia catchment.</p>		<i>Nothofagus menziesii</i> /tawai	<i>Coprosma parviflora</i>	<i>Nothofagus sonadri</i> var <i>cliffortioides</i> /tawai	<i>Coprosma pseudocuneata</i>	<i>Podocarpus hallii</i>	<i>Polystichum vestitum</i>	<i>Podocarpus nivalis</i>	<i>Chionochloas pallens</i>	<i>Phyllocladus alpinus</i> /toatoa	<i>Chionochloa flavida</i>	<i>Dracophyllum uniflorum</i>	
<i>Nothofagus menziesii</i> /tawai	<i>Coprosma parviflora</i>												
<i>Nothofagus sonadri</i> var <i>cliffortioides</i> /tawai	<i>Coprosma pseudocuneata</i>												
<i>Podocarpus hallii</i>	<i>Polystichum vestitum</i>												
<i>Podocarpus nivalis</i>	<i>Chionochloas pallens</i>												
<i>Phyllocladus alpinus</i> /toatoa	<i>Chionochloa flavida</i>												
<i>Dracophyllum uniflorum</i>													
THREATS To Ecological Features: Animal Threats: Stock browse; red deer, chamois, possums, stoats, feral cats. Plant Threats: To be assessed Other: Unknown.													
MANAGEMENT Issues: Restrict cattle grazing in and along forests. Wild animal control. Under Tenure Review process consider Conservation Park Status ' hau' Priorities: - Wild animal control - Restrict grazing													

LAND UNIT: H37008 (also includes H37014)	NAME: HOPKINS CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2257765 5692997 Legal Description : RES 3343 SO 17100 CROWN LAND (ADJ.HOP KINS RIVER) SO 17100 Survey Blk & District : III HOPKINS III, IV, VI, IX, XIII WARD	CMS Map # : 10 Area : 2658.000 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Large area of moderately to very steep lower mountain slopes, ridges and gullies, some open riverflat, and a gently sloping fan surface along the true left of a major, open, glaciated river valley, supporting mixtures of mountain and silver beech forest in a continuous band, some sub-alpine scrub and tussocklands, and riverflat grasslands. Includes marginal strip along entire river-side boundary.</p> <p>Location: True left of the mid-Hopkins River, N of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Moist montane mountain-silver beech forests, with silver dominating at higher altitudes; sub-alpine scrub; snow tussock grasslands; riverflat grasslands.</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, thin-bark t tara, <i>Coprosma pseudocuneata</i>, <i>Polystichum vestitum</i>, <i>Rubus schmedelioides</i>; <i>Dracophyllum uniflorum</i>; snow t tara, mountain toatoa; <i>Chionochoa pallens</i>, <i>Celmisia lyallii</i>; blue tussock, lowland fescue tussock, introduced grasses, <i>Nothofagus menziesii</i>/tawai, <i>Nothofagus solandrii</i> var <i>cliffortioides</i>, <i>Podocarpus nivalis</i>, <i>Podocarpus hallii</i>, <i>Phyllocladus alpinus</i>/tuatoa, <i>Poa colensoi</i>, <i>Festuca novae-zelandiae</i>.</p> <p>Notable Fauna: Brown creeper, rifleman/t tipounamu, bellbird/k parapara or korimako (noticeably uncommon), tomtit/miromiro, yellow-crowned k k riki (?), kea, k re rea/NZ falcon, long-finned eel, koaro.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V), <i>Pittosporum patulum</i> (?) (B;IUCN-E) ANIMALS: Yellow-crowned k k riki (?) (C), kea (B), k re rea/NZ falcon (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Historic hut "Red Hut" 1916. Dodger Hut and Dasler Biv.</p> <p>Visitor Use: Medium, trampers, climbers, hunters</p> <p>Facilities: 1 twelve bunk hut, 1 four bunk hut, 1 two bunk hut.</p> <p>Other Features: Part of Southwest NZ World Heritage Area.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock, red deer, chamois, possums, stoats, feral cats.</p> <p>Plant Threats: (Introduced grasses), Hieracium spp., wilding trees - larch.</p> <p>Other: Unknown.</p>	
MANAGEMENT <p>Issues: Restrict grazing in and along forest margins; wild animal control.</p> <p>Priorities: Wild animal grazing in and along forest margins; wild animal control. Consider Conservation Park status "Ohau".</p>	

LAND UNIT: H37009	NAME: HUXLEY CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2254079 5686227 Legal Description : RES 3342 Survey Blk & District : I, V HOPKINS II, IV, V, VIII, XI, XII WARD	CMS Map # : 10 Area : 4272.5000 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Large area of steep to very steep lower mountain slopes, ridges and gullies, and gently sloping fan surfaces above and along the true right of a major, open, glaciated river bed and up two major tributary rivers, supporting mixtures of mountain and silver</p> <p>Location: True right of middle Hopkins River and both sides of the Huxley River, N of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Moist montane mountain beech/tawai-silver beech forests, with silver dominating at higher altitudes.</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, thin-bark t tara, <i>Coprosma pseudocuneata</i>, <i>C. parviflora</i>, <i>Polystichum vestitum</i>, <i>Rubus schmedelioides</i>, <i>Nothofagus solandri</i>/tawai var <i>cliffortioides</i>, <i>Nothofagus menziesi</i>/tawai, <i>Podocarpus hallii</i>.</p> <p>Notable Fauna: Brown creeper, rifleman/t tipounamu, bellbird/k parapara or korimako (noticeably uncommon), tomtit/miromiro, blue duck/k whiowhio, yellow-crowned k k riki (?), kea, k re rea/NZ falcon, long-finned eel, k aro.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V), <i>Pittosporum patulum</i> (?) (B;IUCN-E).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Historic hut, New Zealand Alpine Club built 1938. Elco Hut, South Huxley Biv, Memorial Cairn at Monument Hut.</p> <p>Visitor Use: Medium, hunters, trappers, climbers</p> <p>Facilities: 1 twelve bunk hut, two six bunk huts, 2 bivvy</p> <p>Other Features: Part of Southwest NZ World Heritage Area.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock, red deer, chamois, possums, stoats, feral cats, thar</p> <p>Plant Threats: Unknown.</p> <p>Other: Unknown.</p>	
MANAGEMENT <p>Issues: Restrict grazing in and along forest margins; wild animal control.</p> <p>Priorities: Wild animal control. Restrict grazing. Threatened species work – (this controlled on a national basis). Consider Conservation Park status 'Ohau'</p>	

LAND UNIT: H37010	NAME: HAU CONSERVATION AREA (HOPKINS/HUXLEY)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2255747 5697000 Legal Description : CROWN LAND Survey Blk & District : V, VI, IX, X HOPKINS HUNTER 1, 2, 4, 5, 8, 11, 12 WARD	CMS Map # : 10 Area : 32300.0000 ha Ecological District : Dobson Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Steep to precipitous mountain lands of glaciers, peaks, cirque basins, summit ridges, near vertical bluffs, and small streams and valleys, in sub-alpine to nival plant communities, including mid-ribbed snow tussock grassland, alpine herbfields, fellfields and rockfields, and permanent ice.</p> <p>Location: Between the main divide and the Hopkins/Huxley Rivers, N of Lake hau, Mackenzie Basin.</p> <p>Main Ecosystems: Unknown - no information available.</p> <p>Main Plant Species: Unknown - no information available.</p> <p>Notable Fauna: Possible: rock wren, kea, k re rea/NZ falcon, pipit/p hoihoi.</p> <p>Threatened Species: Possible: rock wren (C), kea (B), k re rea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Broderick Hut, Broderick Pass, early greenstone trail to Coast</p> <p>Visitor Use: Moderate</p> <p>Facilities: 1 four bunk hut, 1 bivvy.</p> <p>Other Features: Part of the south-west NZ World Heritage Area. Broderick Pass access to Landsborough wilderness</p>	
THREATS To Ecological Features: <p>Animal Threats: Red deer, chamois, thar, hare.</p> <p>Plant Threats: None.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Area requires ecological survey, as very little information available, recreational management.</p> <p>Priorities: Recreational management. Ecological assessment. Consider Conservation Park Status " hau"</p>	

LAND UNIT: H37017	NAME: FERINTOSH RETIREMENT AREA
ADMINISTRATION Legal Status : CA62MA Reserve Classified ? : Grid Reference : 2275537 5687921 Legal Description : SEC 5 SO 18367 Survey Blk & District : PUKAKI WEST TASMAN	CMS Map # : 10 Area : 5216.0000 ha Ecological District : Ben Ohau Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Steep to very steep, upper-montane to nival, east-tending mountain slopes centred around a glaciated stream and part of a cirque basin in various alpine vegetation types.</p> <p>Location: Around Jacks Stream, between Boundary Stream and Whale Stream, Ben Ohau Range W of Lake P kaki, Mackenzie Basin.</p> <p>Main Ecosystems: Scree and alpine fellfields; alpine snow tussock grasslands; sub-alpine tussock grasslands; sub-alpine scrub; permanent snow and ice.</p> <p>Main Plant Species: <i>Dracophyllum prunum</i>, <i>Leptinella atrata</i>, <i>Raoulia</i> spp.; <i>Chionochloa macra</i>, <i>C. rigida</i>, <i>Poa colensoi</i>; <i>Chionochloa rigida</i>, <i>Festuca matthewsii</i>, <i>F. novae-zelandiae</i>; snow t tara, mountain toatoa, mountain ribbonwood/houhi, <i>Olearia</i> spp. <i>Podocarpus nivalis</i>, <i>Phyllocladus alpinus</i>/toatoa, <i>Hoheria lyalli</i>/houhi, <i>Ranunculus grahamii</i>.</p> <p>Notable Fauna: Black shag/k au, kea, k re rea/NZ falcon, pipit/p hoihoi, rock wren, paradise duck/p takitaki, 5 lizard spp. inhabit the wider area, including <i>Heteropholis gemmeus</i> (gecko) and <i>Leiopisma grande</i>.</p> <p>Threatened Species: PLANTS: <i>Ranunculus godleyanus</i> (IUCN-R). ANIMALS: kea (B), k re rea (B), rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Hut was part of the early Government hunting scheme, destroyed in flood 1994</p> <p>Visitor Use: Low. Trampers, climbers, skiers</p> <p>Facilities: Nil, apart from retirement fences.</p> <p>Other Features: A number of helicopter landing sites</p>	
THREATS To Ecological Features: Animal Threats: Stock grazing (emergency grazing), thar, chamois, red deer, hare. Plant Threats: (Sweet briar), Scots thistle, Wilding trees. Other: Fire.	
MANAGEMENT Issues: More detailed faunal assessment needed; wild animal control; wilding tree control; fire control. Priorities: Wild animal control. Wilding tree control. Fauna assessment Consider Conservation Park Status ' hau'	

LAND UNIT: H37018	NAME: BIRCH HILL FLAT
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2277632 5708401 Legal Description : RS 42012,42013 PT RES AND PT RS 2652 34490 34706 Survey Blk & District : XVIII MUELLER XVIII MUELLER	CMS Map # : 10 Area : 81.3837 ha Ecological District : Dobson Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Southern end of a sparsely vegetated stony delta on the Hooker and Tasman river former flood plain, including part of a small, valuable wetland.</p> <p>Location: N of Birch Hill Stream, W of Tasman River, at the SE corner of Aoraki/Mt Cook National Park.</p> <p>Main Ecosystems: Undulating stony flats with mosses, lichens and sparse grassland; largely bare gravel fan; sedge-dominated wetland.</p> <p>Main Plant Species: <i>Rhacomitrium lanuginosum</i>, introduced grasses (e.g. browntop, sweet vernal, chewings fescue), <i>Rytidosperma buchananii</i>, <i>Cyathodes fraseri</i>, <i>Muehlenbeckia axillaris</i>, occasional matagouri; matagouri; <i>Gentiana grisebachii</i>, <i>Pratia angulata</i>, <i>Ranunculus multiscapus</i>.</p> <p>Notable Fauna: Inferred: lizard spp., grasshopper spp. and other invertebrates, pipit/p hoihoi, banded dotterel/pohowera, black-fronted tern/tarapihore.</p> <p>Threatened Species: Inferred: banded dotterel/pohowera (C), black-fronted tern/tarapihore (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Jimmy Lloyd's grave and Birch Hill homestead.</p> <p>Visitor Use: Low but has potential as a picnic area</p> <p>Facilities: Nil</p> <p>Other Features: Inferred: ideal habitat for lizard and invertebrate fauna. A new <i>Deinacrida</i> spp (w t) identified in Sawyer Stream area, yet to be taxonomically described.</p>	
THREATS To Ecological Features: <p>Animal Threats: Possibly stock - see management issues.</p> <p>Plant Threats: Widespread and dominating introduced pasture grasses; Hieracium spp.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Continue monitoring effects of grazing, especially with comparison with ungrazed areas of the flats beyond the fenceline at Unwin-Hooker corner. Airport and helicopters?</p> <p>Priorities: Monitor effects of grazing.</p>	

LAND UNIT: H38009	NAME: LAKE PUKAKI TERMINAL MORaine CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2283167 5665671 Legal Description : PT RS 41651 SO 17101 Survey Blk & District : XIII PUKAKI	CMS Map # : 10 Area : 87.0425 ha Ecological District : Tekapo Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Dry, montane fescue grassland and scrub communities on rolling terminal moraine, with ridges, depressions and erratics.</p> <p>Location: Lake P kaki moraines, Mackenzie basin.</p> <p>Main Ecosystems: Fescue tussock-dominated grassland; dry scrubland.</p> <p>Main Plant Species: Fescue tussock, <i>Raoulia</i> spp., <i>Aciphylla subflabellata</i>, <i>Poa</i> spp. (including <i>P. colensoi</i>), <i>Gnaphalium</i> spp.; matagouri, <i>Carmichaelia petriei</i>, prostrate k whai, <i>Olearia odorata</i>, mountain wineberry, <i>Coprosma propinqua</i>, <i>Sophora prostrata</i>, <i>Festuca novae-zealandiae</i>, <i>Aristolelia fruticosa</i>, <i>Discaria toumatou</i>.</p> <p>Notable Fauna: Not known. Inferred from Molloy (1975): prolific skink/mokomoko, gecko and insect populations.</p> <p>Threatened Species: <i>Coprosma intertexta</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Low at present</p> <p>Facilities: Nil, apart from fencing</p> <p>Other Features: <i>Carmichaelia petriei</i> and prostrate k whai are both near their southern distribution limits. <i>Sophora prostrata</i>.</p>	
THREATS To Ecological Features: <p>Animal Threats: Rabbits, Sheep grazing.</p> <p>Plant Threats: Nodding thistle, introduced grasses, wilding trees.</p> <p>Other: Development of adjacent area for township; fire.</p>	
MANAGEMENT <p>Issues: Manage for enhancement and maintenance of moraine communities; decisions needed about areas to be retained; full biological assessment required; internal fencing needed to protect RAP values.</p> <p>Priorities: Fence area. Ecological assessment and boundary rationalisation. Rabbit control. Grazing control.</p>	

LAND UNIT: H38016 (also includes H38017)	NAME: HAU CONSERVATION AREA (OHAU RANGE)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2253819 5656935 Legal Description : PT RUN 725 Survey Blk & District : I, II, IV, V, VI CAMPBELL	CMS Map # : 10 Area : 3685.0512 ha Ecological District : Ahuriri Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Northern end of a steeply rolling to steep, heavily eroded greywacke and argillite mountain range rising from Lake hau with montane to alpine tussocklands, scrub and herbfield, and scattered remnants of beech forest.</p> <p>Location: Western side of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Snow-tussock grasslands; sub-alpine scrub; alpine herbfields; scree and lichen fields; matagouri; shrubland; dry beech forest.</p> <p>Main Plant Species: <i>Chionochoa rigida</i>, <i>C. macra</i>, <i>Dracophyllum</i> spp.; Snow t tara, mountain toatoa, <i>Coprosma</i> spp/karam .; <i>Celmisia</i> spp., <i>Drapetes</i> spp., <i>Phyllachne</i> spp., <i>Raoulia</i> spp.; lichen spp., <i>Aciphylla congesta</i>; matagouri; m nuka, <i>Festuca novae-zelandiae</i>; mountain beech/tawai, <i>Peraxilla tetrapetala</i>, <i>Alepis flavida</i>.</p> <p>Notable Fauna: Kerer , rifleman/t tipounamu, tomtit/miromiro, yellow-crowned k k riki, kea, k re rea/NZ falcon, pipit/p hoihoi, rock wren, brown creeper, k aro (in high numbers), smelt.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B:IUCN-V), <i>Alepis flavida</i> (B:IUCN-V) ANIMALS: Kerer (B), yellow-crowned k k riki (C); kea (B); k re rea/NZ falcon (B); rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: High use Ohau Ski field</p> <p>Facilities: Ski field buildings and dump associated with Ohau Lodge. Airfield, private huts, club lodge.</p> <p>Other Features: Area has 2 RAPs: Ahuriri Nos.2 (part) and 3. RAP 3: Lake Dumb-bell supports only population of <i>Marsippospermum gracile</i>, an endemic rush, in Mackenzie Ecological Region. A new genus and species of Carabidae, a beetle, was collected at the lake. High numbers of <i>Megaleptoperla grandis</i> in stream below ski field, an aquatic invertebrate which is rarely abundant.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock grazing, rabbits, hares, red deer, chamois.</p> <p>Plant Threats: Sweet briar, <i>Hieracium</i> spp., wilding trees. High altitude <i>Alnus viridis</i> plantings.</p> <p>Other: Ski field works and dump; fire originating from private/club huts or elsewhere.</p>	
MANAGEMENT <p>Issues: More specific and detailed ecological assessment of the two areas is required, skifield management and terrain modification. Lack of licences for airfield, lodge, private huts and club lodge activities. Statutory Acknowledgement; Lake hau. Implementation of Ng i Tahu Settlement.</p> <p>Priorities: Develop strategic plan for ski area. Control of sheep grazing. Control of erosion associated with road. Proposed Ohau Alpine Track and associated use. Consider Conservation Park Status "Ohau" Management of unauthorised facilities.</p>	

LAND UNIT: H38021	NAME: HAU TERMINAL MORAINES SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2265770 5654321 Legal Description : RES 4023 Survey Blk & District : VIII CAMPBELL	CMS Map # : 10 Area : 80.9371 ha Ecological District : Ben Ohau Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Undulating terminal moraines and outwash surfaces at bottom of Lake hau with dry short tussocklands, shrubland and several small kettlehole tarns.</p> <p>Location: Bottom end of Lake hau between hau river and Ohau canal, Mackenzie basin.</p> <p>Main Ecosystems: Dry matagouri-m nuka shrubland; bouldery Fescue tussockland; kettlehole turf community.</p> <p>Main Plant Species: Matagouri, m nuka, <i>Muehlenbeckia complexa</i>, <i>Carmichaelia petriei</i>, <i>Coprosma propinqua</i>; <i>Fescue novae-zelandiae</i>, other native grasses, introduced grasses, <i>Discaria tomatou</i>, <i>Leptospermum scoparium</i>/m nuka.</p> <p>Notable Fauna: unknown.</p> <p>Threatened Species: Unknown</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: May include part of the "spade-line" boundary (See Whelan 1989).</p> <p>Visitor Use: Low</p> <p>Facilities:</p> <p>Other Features: Panoramic views can be obtained from high points of the terminal moraine within the reserve. Boat ramp and vehicle access tracks</p>	
THREATS To Ecological Features: Animal Threats: Rabbits. Plant Threats: Wildings , introduced grasses, lupins Other: Fire.	
MANAGEMENT Issues: Reassess grazing rights; further ecological assessment needed.; fencing (relocation); legalisation of roading. Statutory Acknowledgement; Lake hau. Implementation of Ng i Tahu Settlement Priorities: Legalising the road. Ecological assessment. Assess fence location and use of rabbit netting. Interpretation.	

LAND UNIT: H38031	NAME: DUSKY RUN CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? :N/A Grid Reference : 2274382 5680760 Legal Description : R.S. 42309 SO 17101 Survey Blk & District : I, II, III, V, VI, VII PUKAKI WEST XIV TASMAN	CMS Map # : 10 Area : 5435.5000 ha Ecological District : Ben Ohau Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Moderate to very steep, montane to nival, dryish mountain slope, ridges, glaciated streams and large tarned cirque basins in a range of sub- and alpine vegetation types. Best example in the Ben Ohau Range.</p> <p>Location: Mid-Ben Ohau Range, W of Lake P kaki, Mackenzie basin.</p> <p>Main Ecosystems: Scree and alpine fellfields; alpine snow tussock grasslands; sub-alpine tussock grassland; sub-alpine and montane scrub; lake/tarn vegetation; permanent snow and ice.</p> <p>Main Plant Species: <i>Dracophyllum pronum</i>, <i>Leptinella atrata</i>, <i>Aciphylla montana</i>, <i>Gnaphalium luteo-album</i>, <i>Raoulia</i> spp.; <i>Chionochloa macra</i>, <i>C. rigida</i>, <i>Poa colensoi</i>; <i>Chionochloa rigida</i>, <i>Festuca matthewsii</i>, <i>F. novae-zelandiae</i>; snow t tara, mountain toatoa, mountain ribbonwood/houhi; matagouri, korokia; <i>Oreobolus pectinatus</i>, <i>Caltha dotusa</i>, <i>Celmisia glandulosa</i>, <i>Podocarpus nivalis</i>, <i>Phyllocladus alpinus</i>/toatoa, <i>Hoheria lyallii</i>, <i>Discaria toumatou</i>, <i>Corokia cotoneaster</i></p> <p>Notable Fauna: Black shag/k au, kea, k re rea/NZ falcon, pipit/p hoihoi, rock wren, brown creeper, paradise duck/p takitaki, 5 lizard spp/ng rara. in wider area, including <i>Heteropholis gemmeus</i> (gecko) and <i>Leioplosima grande</i>.</p> <p>Threatened Species: PLANTS: <i>Ranunculus godleyanus</i> (IUCN-R) ANIMALS: Kea (B), K re rea (B), rock wren (C)</p> <p>Landscape: Is a regionally significant natural feature or landscape? nationally!</p> <p>Historic/Cultural: Part of the original Rhoboro Downs 1857</p> <p>Visitor Use: Medium</p> <p>Facilities: Helicopter landing sites</p> <p>Other Features: Includes Ben Ohau RAP No 1 (Upper Duncan Stream), "an excellent example of the high altitude glacially derived tarns and cirques that typify the upper 1000m of the Ben Ohau Range".</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Thar, chamois, red deer, hare, rabbit, stock, pigs.</p> <p>Plant Threats: Wilding trees.</p> <p>Other: Fire, skifield development, concessionaire use</p>	
MANAGEMENT <p>Issues: More complete faunal assessment needed; wild animal control; fire control; wilding control, fencing. Consider Conservation Park Status 'Ohau'</p> <p>Priorities: Wild animal control. Wilding tree control. Concessionaire management. Recreational management. Fauna assessment</p>	

LAND UNIT: H38032	NAME: HAU CONSERVATION AREA (UPPER MAITLAND)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2251139 5663413 Legal Description : SEC 2 Survey Blk & District : I CAMPBELL	CMS Map # : 10 Area : 1157.4009 ha Ecological District : Ahuriri Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Dryish montane mountain beech/tawai forests on lower steep mountain hillslopes along the upper reaches of a steep, narrow stream.</p> <p>Location: Maitland Stream, W of Lake hau and a tributary of the hau delta, Mackenzie basin.</p> <p>Main Ecosystems: Mountain beech/tawai forest; sub-alpine scrub (minor).</p> <p>Main Plant Species: Mountain beech/tawai, some silver beech/tawai (upper valley), thin-bark t tara, mountain toatoa, snow t tara; <i>Dracophyllum uniflorum</i>, <i>Chionochloa</i> spp., esp. <i>C. rigida</i>, <i>Nothofagus solandrii</i> var <i>cliffortioides</i>, <i>Nothofagus menziesi</i>, <i>Podocarpus nivalis</i>, <i>Podocarpus hallii</i>, <i>Phyllocladus alpinus</i>.</p> <p>Notable Fauna: Bellbirds/k parapara or korimako (noticeably uncommon), brown creeper, rifleman/t tipounamu, yellow-crowned k k riki (fairly common), tomtit/miromiro, kea, k re rea/NZ falcon, long-finned eel, k aro.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V) ANIMALS: Yellow-crowned k k riki (C), kea (B), k re rea/NZ falcon (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Maitland Hut</p> <p>Visitor Use: Moderate</p> <p>Facilities: 1 four bunk hut</p> <p>Other Features: track system</p>	
THREATS To Ecological Features: <p>Animal Threats:Cattle and sheep grazing, red deer, chamois, possums, stoats, feral cats.</p> <p>Plant Threats: Broom.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire control; restrict grazing; wild animal control; ecological survey of specific forest area would be useful, provide legal access.</p> <p>Priorities: Legal access. Control of grazing stock. Consider Conservation Park Status “ hau”</p>	

LAND UNIT: H38033	NAME: HAU CONSERVATION AREA (FREEHOLD CREEK)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2249316 5651009 Legal Description : PT RUN 556 Survey Blk & District : CAMPBELL LONGSLIP OHAU LAKE STAFFORD	CMS Map # : 10 Area : 11280.1867 ha Ecological District : Ahuriri Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Gentle to very steep, heavily eroded greywacke/argillite mountain slopes, with large cirque basins with tarns and wetlands, a forested stream, and montane to alpine tussocklands, scrub and herbfield.</p> <p>Location: hau Range, and unnamed broken range to W, SW of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Alpine herbfields; snow-tussock grasslands; scree and lichen fields; sub-alpine scrub; matagouri shrubland; tarn vegetation; dry beech forest.</p> <p>Main Plant Species: <i>Celmisia</i> spp., <i>Drapetes</i> spp., <i>Phyllachne</i> spp., <i>Raoulia</i> spp.; <i>Chionochloa rigida</i>, <i>C. macra</i>, <i>Dracophyllum</i> spp.; lichen spp., <i>Aciphylla congesta</i>, snow t tara, mountain toatoa, <i>Coprosma</i> spp.; matagouri, m nuka, <i>Festuca novae-zelandiae</i>; mountain beech/tawai, mistletoe spp, <i>Podocarpus nivalis</i>, <i>Phyllocladus alpinus</i>/toatoa, <i>Discaria toumatou</i>, <i>Leptospermum scoparium</i>/m nuka, <i>Notofagus solandri</i>/tawai- var <i>cliffortioides</i>, <i>Peraxilla tetrapeta</i>, <i>Alepis flavida</i>.</p> <p>Notable Fauna: Kerer , rifleman/t tipounamu, tomtit/miromiro, brown creeper, yellow-crowned k k riki, pipit/p hoihoi, rock wren, kea, k re rea/NZ falcon, k aro (high numbers), smelt, black-billed gull.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V). ANIMALS: Kerer (B), yellow-crowned k k riki (C); kea (B), k re rea (B), rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: May include part of "spade-line" boundary, a straight line dug cross country to mark the boundary between the former Canterbury and Otago provinces (Whelan 1989). Freehold Creek has forestry camp sites and snigging (logging) tracks.</p> <p>Visitor Use: Low apart from Freehold Creek track</p> <p>Facilities: 1 four bunk hut (historic boundary hut)</p> <p>Other Features: Area has part of Ahuriri (Mackenzie R.) RAP 2 (Upper Maitland), with the most extensive area of blue tussock (<i>Poa colensoi</i>) in the ecological district occurring within this area.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock grazing, rabbit, hare, red deer, chamois.</p> <p>Plant Threats: Sweet briar; wilding trees (?), <i>Hieracium</i> spp.</p> <p>Other: Increased recreational use due to hau Alpine Track proposal; fire.</p>	
MANAGEMENT <p>Issues: More specific and detailed ecological assessment required; wilding tree control; fire control, management and impacts of recreational use, interpretation.</p> <p>Priorities: Interpretation. Management of recreational use Wilding trees Consider Conservation Park Status " hau"</p>	

LAND UNIT: H38035	NAME: HAU CONSERVATION AREA (TEMPLE)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2252152 5670234 Legal Description : PT RS 3341 Survey Blk & District : VI,IX,X HOPKINS	CMS Map # : 10 Area : 1329.0000 ha Ecological District : Huxley Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Steep, lower mountain hillslopes and ridges along both sides of one fork and one of another - in continuous and , in parts, patchy montane mountain beech/tawai forest, with sub-alpine scrub between patches.</p> <p>Location: Upstream from forks of Temple Stream, N of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Dryish mountain beech/tawai forest; sub-alpine scrub; snow tussock grassland.</p> <p>Main Plant Species: Mountain beech/tawai, some scattered silver beech/tawai (upper valley), thin-bark t tara, mountain toatoa, snow t tara; <i>Dracophyllum uniflorum</i>, snow t tara; <i>Chionochloa</i> spp., esp. <i>C. rigida</i>.</p> <p>Notable Fauna: Brown creeper, rifleman/t tipounamu, bellbird/k parapara or korimako, tomtit/miromiro, yellow-crowned k k riki, kea, k re rea/NZ falcon, long-finned eel, k aro.</p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V), <i>Alepis flavida</i> (B;IUCN-V), <i>Pittosporum patulum</i> (B). ANIMALS: Yellow-crowned k k riki (C), kea (B), k re rea/NZ falcon (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Originally part of Waitaki Acclimatisation Society Deer Forest</p> <p>Visitor Use: Moderate</p> <p>Facilities: 1 six bunk hut, 1 shelter, 3 toilets</p> <p>Other Features: Track system</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock browse; red deer, chamois, possums, stoats, feral cats, thar.</p> <p>Plant Threats: <i>Hieracium</i>, wilding trees.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire control; restrict grazing; wild animal control, clarify legal road access to picnic area, wilding tree control.</p> <p>Priorities: Clarify legal road access. Control wilding trees. Recreational management. Prevent uncontrolled grazing. Consider "Ohau" Conservation Park Status.</p>	

LAND UNIT: H38058	NAME: RUATANIWHA CONSERVATION AREA, BEN HAU
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2262863 5656321 Legal Description : PT RS 36867 SO 18942 Survey Blk & District : VII VIII CAMPBELL	CMS Map # : 10 Area : 1315.8200 ha Ecological District : Ben Ohau Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Very steep hillslopes rising from shores of Lake hau to a circular, flatter-topped mountain (Ben Ohau 1522m), with snow-tussock grasslands, dry shrublands, thin-bark t tara woodlands, and patch of riparian beech forest.</p> <p>Location: At the SE corner of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Snow-tussock grassland; dry shrublands; thin-bark t tara forest/treeland; mountain beech/tawai forest.</p> <p>Main Plant Species: Chionochloa rigida, red tussock; k whai, mountain ribbonwood/houhi; k whai, broadleaf/k puka, thin-bark t tara; mountain beech/tawai, <i>Peraxilla tetrapetala</i>, <i>Chionochloa rubra</i>, <i>Sophora microphylla</i>, <i>Griselinia littoralis</i>/k puka, <i>Podocarpus hallii</i>, <i>Nothofagus solandrii</i> var <i>cliffortioides</i>/tawai</p> <p>Notable Fauna: T, kerer, bellbird/k parapara or korimako, k re rea/NZ falcon, kea, pipit/pihoihoi, numerous common skink/mokomoko, endemic Mackenzie ground beetle <i>Megadromus altemus</i></p> <p>Threatened Species: PLANTS: <i>Peraxilla tetrapetala</i> (B:IUCN-V), <i>Tupeia antarctica</i> (B:IUCN-V). ANIMALS: Kerer (B), k re rea (B), kea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Early station hut, part of Ben Ohau Station</p> <p>Visitor Use: Low but has potential for tramping, mountain bikes, running</p> <p>Facilities: 4WD tracking/DOC radio transmitter</p> <p>Other Features: Area contains 2 RAPs (Mackenzie E.R.), Ben Ohau E.D.: RAP 8 (Lower Greta Stream), on boundary of area, is riparian strip of mountain beech/tawai; RAP 9 (Mt Ben Ohau Hall's t tara), is important for best example of regenerating stand of thin-bark t tara in the ecological district. Part of area has been recommended as a Scientific Reserve (Molloy 1976).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Hare, rabbit; chamois, thar, red deer (occasional), cattle, pigs.</p> <p>Plant Threats: <i>Hieracium</i> spp., sweet briar (prevalent along lake margin), wilding trees - larch and <i>Pinus contorta</i>, broom</p> <p>Other: Fire, Grazing (sheep).</p>	
MANAGEMENT <p>Issues: Fire control; sweet briar control, wilding tree control, grazing, wild animal control</p> <p>Priorities: Wilding tree control, wild animal control Recreation opportunity handout. Signage. Interpretation in conjunction with Ng i Tahu. Statutory Acknowledgement; Lake hau. Grazing</p> <p>No reserve status - will remain as conservation area.</p>	

LAND UNIT: H39017	NAME: BENDHU SCIENTIFIC RESERVE
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? :Y Grid Reference : 2260836 5638563 Legal Description : SEC 2 Survey Blk & District : 15 AHURIRI	CMS Map # : 13 Area : 46.7620 ha Ecological District : Omarama Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Montane bog pine shrubland on old glacial till deposits on flat to gently rolling land in cold, dry, intermontane basin.</p> <p>Location: 12km south of Lake hau, Mackenzie basin.</p> <p>Main Ecosystems: Bog pine; grassland; Cassinia shrubland; matagouri scrub.</p> <p>Main Plant Species: Bog pine, <i>Leucopogon colensoi</i>, celery pine/toatoa, <i>Lycopodium fastigiatum</i>; introduced grasses, <i>Rhytidosperma setifolia</i>, hard tussock, <i>Coprosma petriei</i>; matagouri, grasses. <i>Dacrydium bidwillii</i> <i>Coprosma petriei</i> <i>Leucopogon suaveolens</i> <i>Discaria toumatou</i> <i>Phyllocladus alpinus</i>/toatoa <i>Lycopodium fastigiatum</i> <i>Rytidosperma setifolia</i> <i>Festuca novae-zelandiae</i></p> <p>Notable Fauna: Fauna unknown.</p> <p>Threatened Species: <i>Coprosma intertexta</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Part of the original Benmore Station, 1974 negotiations established 1978</p> <p>Visitor Use: Low, poor access</p> <p>Facilities: Reserve fenced</p> <p>Other Features: Other interesting species - <i>Hebe rakiaensis</i>, <i>Coprosma intertexta</i></p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits, hares (major threat, presently having moderate impact).</p> <p>Plant Threats: Wilding <i>Pinus contorta</i> (major threat); other weeds in small numbers.</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Weed control including wildings; fire control; use of grazing as management tool; hare and rabbit control.</p> <p>Priorities: Rabbit control and management, including rabbit proof fencing. Control wilding trees. Provide legal public access to the reserve.</p>	

LAND UNIT: H39021 (also includes H39023, H39025, H39026)	NAME: LOWER AHURIRI RIVERBED CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2270228 5633451 Legal Description : SEC 15 & 16, SEC 14, PT SEC 4; CROWN LAND ADJ PT. RUN 552; CROWN LAND ADJ PT. RUN CROWN LAND ADJ PT. 7 553 Survey Blk & District : I, II, XII BENMORE	CMS Map # : 13 Area : 207.0294 ha Ecological District : Omarama Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: The braided riverbed of the lower Ahuriri. River margin habitats include dry tussock grasslands, minor sedge swamps and extensive willows. Russell lupin also extensive.</p> <p>Location: Land around SH 8 bridge near Omarama plus several areas downstream.</p> <p>Main Ecosystems: Aquatic and terrestrial habitats of the braided river ecosystem; dry modified tussock grasslands; willow treeland.</p> <p>Main Plant Species: Willow species, Russell lupin, introduced grasses, <i>Carex</i> spp., sweet briar, broom, matagouri, <i>Raoulia</i> and <i>Epilobium</i> spp.: <i>Hieracium</i> spp., hard tussock.</p> <p>Notable Fauna: Specialist riverbed and swampland birds found in the wider riverbed and marginal swamps include black stilt/kak , banded dotterel/pohowera, black-fronted tern/tarapirhoe, wrybill/ngutupare, black-fronted dotterel, marsh crane, Australasian bittern.</p> <p>Threatened Species: Black stilt/kak (A), wrybill/ngutupare (B), black-fronted tern/tarapirohe (B), banded dotterel/pohowera (C).</p> <p>Landscape: Regionally important</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low mainly fishermen, rabbit shooters</p> <p>Facilities: Nil</p> <p>Other Features: Ahuriri River Water Conservation Order restricts new allocations of water from the river. Riverbed habitat rehabilitation is in progress as part of Project River Recovery.</p> <ul style="list-style-type: none"> - River is ranked as of "outstanding" habitat value. - Jet boating is prohibited on this river. - Ahuriri River is a highly regarded trout fishery. - Well documented catchment as a result of river conservation and water allocation debates. - Although common in NZ, the braided river habitat is unusual and rare internationally. - Whole river meets RAMSAR Convention criteria as a wetland of international importance because of value for endangered and endemic birds. 	
THREATS To Ecological Features: <p>Animal Threats:Mammalian predators on breeding birds, rabbits.</p> <p>Plant Threats: Russell lupin, broom, briar, willow, gorse.</p> <p>Other: River engineering works for flood control and protection of State Highway bridge lower bird habitat qualities. Loss of water quality (minor risk).</p>	
MANAGEMENT <p>Issues: Ensure appropriate management of riverbed to maintain outstanding bird habitat. willow and other weed control environmental protection, e.g. gravel extraction, stopbank, bridge work.</p> <p>Priorities:</p> <ul style="list-style-type: none"> - Maintenance of existing habitat - Weed control - Protection work 	

LAND UNIT: H39095	NAME: BEN OMAR SWAMP
ADMINISTRATION Legal Status : Government Purpose, Wetland Management Reserve Reserve Classified ? : Y Grid Reference : 2273000 5635500 Legal Description : SEC 1, SO 21084 SEC 1, SO 22541 Survey Blk & District : XI, XII BENMORE	CMS Map # : 13 Area : 171.7870 ha Ecological District : Omarama Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: This area is a recently formalised wetland management reserve that protects a large area of little-modified Carex swampland. The swamp has some area of open water and streams between large pedestalled Carex secta plants.</p> <p>Location: The wetland has developed along the toe of several large fans on a terrae above the true left of Ahuriri River, between SH8 bridge near Omarama and Lake Benmore/Te Ao M rama.</p> <p>Main Ecosystems: Sedgeland and rush sedgeland</p> <p>Main Plant Species: Carex secta. Other Carex species/m nia, Juncus spp/w w , Schoenus pauciflorus</p> <p>Notable Fauna: Black stilt/kak , numerous ducks, geese and wading species</p> <p>Threatened Species: Black stilt/kak (A) occasionally feed around the swamp margins</p> <p>Landscape: Regional importance, last of the heavy swamp areas</p> <p>Historic/Cultural: N/A</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Ranked as a SSWI of outstanding value to wildlife, especially waterbirds.</p>	
THREATS To Ecological Features: <p>Animal Threats: Extent of stock intrusion unknown</p> <p>Plant Threats: Potential willowspread</p> <p>Other: Impacts on water quality and nutrient status from land developing in the wider catchment</p>	
MANAGEMENT <p>Issues: Assess management needs, including fencing, future weed control issues and extent of potential threats.</p> <p>Priorities: - retain habitat type - fencing - weed and pest control</p>	

LAND UNIT: H41001	NAME: MT IDA CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2284336 5585496 Legal Description : PT RUNS 227D, 362B & 573 Survey Blk & District : 2 IDABURN MT BUSTER 3 & 4 NASEBY TURNAGAIN	CMS Map # : 13 Area : 5162.0000 ha Ecological District : Hawkdun Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Remote dissected mountainland on NE slopes of ridge between Hawdon Range and Ida Range, at the far south of Canterbury Conservancy. Narrow plunging spurs, steep sideslopes, narrow valley floors and widespread screes.</p> <p>Location: Inland N Otago; NW of Naseby. Catchment drains into Otematata River. Far south of Canterbury Conservancy.</p> <p>Main Ecosystems: High-alpine cushion and tussock fellfields; low-alpine tussock herbfield, low alpine shrub tussockland on sideslopes; subalpine snow tussockland, scree slopes.</p> <p>Main Plant Species: Blue tussock, <i>Dracophyllum muscoides</i>, <i>D. pronum</i>, <i>Raoulia hectori</i>, <i>R. grandiflora</i>, <i>Chionohebe thomsonii</i>, <i>Kelleria villosa</i>; slim snow tussock, blue tussock, <i>Celmisia viscosa</i>, <i>Festuca mathewsii</i>, narrow leaved snow tussock, <i>Poa colensoi</i>, <i>Chionochloa macra</i>, <i>Chionochloa rigida</i>.</p> <p>Notable Fauna: 3 new undescribed species of stonefly in the seeps and streams. Otherwise typical range of common alpine insect fauna.</p> <p>Threatened Species: None known but likely habitat for scree skink/mokomoko <i>Leiolopisma ottagense</i> form <i>waimatense</i>, found on S of Mt Ida outside this unit.</p> <p>Landscape: No data</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: low</p> <p>Facilities: No data</p> <p>Other Features: Covered by Hawdon RAP 12 - Mt Ida. Mt Ida is type locality for uncommon plant <i>Myosotis oreophila</i> (not listed), and for scree skink/mokomoko.</p>	
THREATS To Ecological Features: <p>Animal Threats: Goats, hares.</p> <p>Plant Threats: Very few adventives.</p> <p>Other: Fire, mining</p>	
MANAGEMENT <p>Issues: Goat control, minimise fire risk from adjacent land. Assess management problems.</p> <p>Priorities: Assess management issues. Assess ecological values.</p>	

LAND UNIT: I35003	NAME: HAVELOCK FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2320822 5744399 Legal Description : RES 3326,3327,3328 SO 17104 RS 40458 SO 17104 Survey Blk & District : IV GODLEY I, II HAVELOCK I SINCLAIR V, VI, X, XI TORLESSE IV GODLEY I SINCLAIR IX, X, XI TORLESSE	CMS Map # : 6 Area : 6122.9053 ha Ecological District : Armoury Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Large high country area with many small patches of montane forest, large areas of sub-alpine scrub and alpine tussock grasslands, and areas of permanent ice and snow, on steep glaciated river sides and steep mountain slopes and ridges.</p> <p>Location: Between the Havelock River and Main Divide at the northern end of the Two Thumb Range, Upper Rangitata Catchment.</p> <p>Main Ecosystems: Alpine and sub-alpine tussock grasslands; sub-alpine scrub; thin-bark t tara forest (only c.7% of area).</p> <p>Main Plant Species: Mid-ribbed snow grass, broad-leaved snow grass, other <i>Chionochloa</i> sp.; <i>Dracophyllum longifolium</i>, mountain toatoa; thin-bark t tara, mountain toatoa, broadleaf/k puka, mountain ribbonwood/houhi, kaikawaka.</p> <p>Notable Fauna: Brown creeper, tomtit/miromiro, kea, k re rea/NZ falcon, blue duck/whio/k whiowhio.</p> <p>Threatened Species: Kea (B), k re rea (B), whio/blue duck/k whiowhio (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low</p> <p>Facilities: 1 six bunk hut, two four bunk huts, two bivvies.</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Thar, chamois, possums, (red deer).</p> <p>Plant Threats: Russell lupin in Forbes River.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Public access; wild animal control especially thar; weed control.</p> <p>Priorities: Thar monitoring, weed control, wild animal control.</p>	

LAND UNIT: I35004	NAME: CLYDE FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2330175 5753525 Legal Description : RES 3320,3321,3322,3323 SO 17104 Survey Blk & District : I, II, V CLYDE IX, X RAMSAY IX TYNDALL	CMS Map # : 6 Area : 1511.9053 ha Ecological District : Armoury Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Steep to very steep lower mountain slopes along glaciated rivers, with small scattered forest remnants and sub-alpine scrub and tall tussock grassland between patches and higher up.</p> <p>Location: Upper Clyde River, Rangitata Catchment, Central Southern Alps.</p> <p>Main Ecosystems: Sub-alpine scrub; thin-bark tara forest; tall tussock grassland; short grassland; beech forest.</p> <p>Main Plant Species: <i>Dracophyllum longifolium</i>, mountain toatoa; thin-bark tara, broadleaf/k puka, mountain ribbonwood/houhi, mountain toatoa; <i>Chionochloa</i> spp.; hard tussock; mountain beech/tawai.</p> <p>Notable Fauna: Brown creeper, tomtit/miromiro, kea, k re re/NZ falcon, whio/k whiowhio/blue duck.</p> <p>Threatened Species: Kea (B), k re re (B), whio/k whiowhio/blue duck (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: JBA Acland's ladder site (ladder now in museum) in Clyde catchment.</p> <p>Visitor Use: Tramping, hunting (moderate)</p> <p>Facilities: 2 six bunk huts.</p> <p>Other Features:</p>	
THREATS To Ecological Features: <p>Animal Threats: Chamois, red deer, possums; thar.</p> <p>Plant Threats: Russell lupin around Erewhon station in riverbed.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Public access; wild animal control especially thar.</p> <p>Priorities: Thar control</p>	

LAND UNIT: I36002	NAME: JOLLIE AND CASS CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2296739 5727213 Legal Description : CROWN LAND SO 17105 Survey Blk & District : II, III CASS VIII, XI, XII, XIV, XV, XVI COOK IX GODLEY	CMS Map # : 6 Area : .5750.0000 ha Ecological District : Godley Area Office : Twizel District Council : Mackenzie
DESCRIPTION <u>General:</u> Cirque basins, steep mountain slopes of greywacke scree and bluffs, small glaciers and icefalls in headwaters of Jollie, Cass and Godley sidestream catchments. Patches of scree herbfields, snow tussocklands, seepage and streamside wetlands. <u>Location:</u> Extends from Nuns Veil Peak to Godley Pass along Leibig Range. Approximately parallel but over the range crest from Murchison Valley, Aoraki/Mt Cook National Park. <u>Main Ecosystems:</u> Alpine screes and bluffs with sparse herbfields and snow tussockland; permanent snow and ice; cirque basin wetlands, stream and seep herbfields (minor); subalpine shrublands (minor). <u>Main Plant Species:</u> No data. <u>Notable Fauna:</u> No data - likely habitat for kea, rock wren, falcon/k re rea and pipit/p hoihoi. <u>Threatened Species:</u> Not known <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Not known <u>Visitor Use:</u> Medium, hunters, trampers, climbers, skiers. <u>Facilities:</u> A number of helicopter landing sites <u>Other Features:</u> Unknown	
THREATS To Ecological Features: <u>Animal Threats:</u> Thar, stock grazing on Glenmore. <u>Plant Threats:</u> <i>Hieracium</i> present but weeds insignificant. Other: Unknown	
MANAGEMENT Issues: Thar control to lowest practicable level. Official control as required. Public access through adjacent pastoral land, ecological assessment needed. Priorities: Wild animal control, ecological assessment, public access.	

LAND UNIT: I36005	NAME: GODLEY RIVERBED CONSERVATION AREA (TRUE RIGHT OF LOWER RIVER)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2310795 5715330 Legal Description : CROWN LAND SO 17105 Survey Blk & District : VI TEKAPO NORTH	CMS Map # : 6 Area : 100.0000 ha Ecological District : Godley Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: An example of the braided river and semi-stable island habitats within the vast Godley River.</p> <p>Location: Lower Godley River at head of Lake Tekapo/Takapo, opposite confluence of Macaulay River.</p> <p>Main Ecosystems: Braided river aquatic and low relief terrestrial habitats; minor stable streams.</p> <p>Main Plant Species: Not surveyed. Expected species of riverbed include <i>Raoulia</i> mat plants, <i>Epilobium</i> spp., hard tussock, introduced grasses especially sweet vernal, scattered matagouri, <i>Muehlenbeckia axillaris</i>, <i>Helichrysum depressum</i> (as found in Cass River).</p> <p>Notable Fauna: Records from whole river include wrybill/ngutupare, black stilt/kak , banded dotterel/pohowera, black fronted tern/tarapirohe, black billed gull, Caspian tern/tara, white winged black tern/tara, pied stilt, S.I. pied oystercatcher.</p> <p>Threatened Species: Wrybill/ngutupare (B), black fronted tern/tarapirohe (B), banded dotterel/pohowera (C), black stilt/kak (A), Caspian tern/tara (O). Present at times on Godley Riverbed.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Unknown</p> <p>Facilities: Nil</p> <p>Other Features: Stable river margin habitats are especially valuable "escape areas" for juvenile riverbed birds, during times of high flow. Part of an "outstanding" habitat for birds. Part of a larger area which meets RAMSAR Convention criteria as a wetland of international importance for waterbirds. Close to high school lodge.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits, predators, grazing stock especially cattle.</p> <p>Plant Threats: Few problems as yet, unlike rivers in lower basin. Willows and wilding trees are potential threats.</p> <p>Other: River control works disturbance of breeding birds by vehicles and stock in large numbers (infrequent).</p>	
MANAGEMENT <p>Issues: Ensure appropriate management of wider riverbed to maintain outstanding bird habitat values. Willow and other weed monitoring and control.</p> <p>Priorities: Rabbit control Weed control. Control grazing stock.</p>	

LAND UNIT: I36006	NAME: MESOPOTAMIA CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2325266 5738960 Legal Description : PT RUNS 110A & 110B SO 17105 Survey Blk & District : IV, VIII GODLEY XI HAVELOCK I, IV, V, VII, IX SINCLAIR X TORLESSE	CMS Map # : 6 Area : 6755.0000 ha Ecological District : Low Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Upper catchments on E side of Two Thumb Range. Montane snow tussocklands on steep shingly valley slopes, grade into cirque basin tussocklands, scree, and herbfields. Rugged peaks, bluffs and ridges, but little permanent ice and snow.</p> <p>Location: Catchments on true Right of Upper Rangitata River, NW of Mesopotamia. Extends from Little Spur to Brabazon Range.</p> <p>Main Ecosystems: Narrow-leaved snow tussockland on mountain sideslopes; slim snow tussocklands in cirque basins; rock, scree bluff and summit sparse herbfields; scree shrublands; alpine seepage areas.</p> <p>Main Plant Species: Narrow-leaved and slim snow tussock, blue tussock, <i>Celmisia</i> spp., SI edelweiss, <i>Phyllachne colensoi</i>, <i>Aciphylla</i> spp. with occurrences of vegetable sheep, <i>Dracophyllum pronum</i>, <i>Marsippospermum gracile</i>, curly snow tussock, snow t tara, mountain ribbonwood/houhi, <i>Brachyglottis cassinioides</i>, mountain toatoa, <i>Hieracium</i> spp.</p> <p>Notable Fauna: Kea, k re rea, rock wren.</p> <p>Threatened Species: K re rea (B), rock wren (C), kea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: No data</p> <p>Facilities: Nil</p> <p>Other Features: Area includes Two Thumbs PNA 8</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wild animals including thar and chamois.</p> <p>Plant Threats: No data, Hieracium present.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Assess condition and threats, thar control planned 1994/95.</p> <p>Priorities: Tenure review and settlement, animal control, access, and ecological assessment. Investigate establishing Two Thumb Conservation Park.</p>	

LAND UNIT: I36007	NAME: MT GERALD TWO THUMB CONSERVATION AREA
ADMINISTRATION Legal Status : CA62MA Reserve Classified ? : Grid Reference : 2324767 5714997 Legal Description : SEC 1 2 3 4 SO 17867 Survey Blk & District : FOX GODLEY SINCLAIR TEKAPO NORTH	CMS Map # : 6 Area : 13111.0000 ha Ecological District : Two Thumb Area Office : Twizel District Council : Timaru
DESCRIPTION <p>General: Extensive tract of mountainland mainly on the exposed western slopes of the Two Thumb Range. Landforms include long gently sloping valleys with relic cirque basins at their heads, extensive scree and rocky ridgelines, tussock covered hillslopes. Western slopes reflect their glacial origins with lateral moraines, glacial smoothed slopes and a major lateral terrace bench.</p> <p>Location: E and NE of the head of Lake Tekapo/Takapo including Macaulay River tributaries, plus some alpine basins of Bush Stream on E of Two Thumb Range.</p> <p>Main Ecosystems: Mid altitude narrow-leaved snow tussockland with some red tussockland in poorly drained sites; grading into high altitude slim snow tussockland; alpine herbfields and cushion bogs in valley and basin floors; sparse scree herbfield communities with low growing species. Hard tussockland at lower to mid altitudes.</p> <p>Main Plant Species: Diverse tussock species including narrow leaved snow tussock, slim snow tussock plus hybrids, less common mid ribbed snow tussock, hard, red and blue tussock, <i>Celmisia lyalli</i>, <i>C. angustifolia</i>, <i>C. sessiliflora</i>, <i>Schoenus pauciflorus</i>, <i>Oreobolis pectinatus</i>, <i>Carex meullari</i>; <i>Aciphylla aurea</i>, <i>Hieracium pilosella</i>, sweet vernal, matagouri, <i>Coprosma</i> spp.; alpine species include <i>Dracophyllum pronum</i>, <i>Kelleria villosus</i>, <i>Chionohebe pulvinaris</i>, <i>Phyllachne colensoi</i>, <i>Chionochloa macra</i>, <i>Chionochloa rigida</i>, <i>Chionochloa rubra</i>, <i>Chionochloa pallens</i>, <i>Festuca novae-zelandiae</i>, <i>Poa colensoi</i>, <i>Discaria toumatou</i>.</p> <p>Notable Fauna: No data. Likely habitat for occasional kea, k re re and skink/mokomoko.</p> <p>Threatened Species: No data.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low at present, trampers, skiers, hunters</p> <p>Facilities: No data</p> <p>Other Features: Excellent representation of glacial terrace bench on mid slope of Western faces of this range. Area includes part of Two Thumb Range RAP - Store hut moraine in Third Waterfall Stream. Macaulay scree fault geopreservation site is just outside this land unit.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Thar - generally lightly populated but with localised concentrations, hares, rabbits on margins.</p> <p>Plant Threats: Hieracium widespread. Sweet briar?</p> <p>Other: Fire (moderate risk).</p>	
MANAGEMENT <p>Issues: Thar control, overall conservation management of conservation lands in the Two Thumb Range, rabbit control on margins, concessionaire use. Stock use fencing</p> <p>Priorities: Thar control. Rabbit control. Concessionaire and recreational management. Fencing Consider inclusion within a Two Thumb Conservation Park, to include all Two Thumb areas.</p>	

LAND UNIT: I37001	NAME: RUN 77 RETIREMENT AREA (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2328799 5710000 Legal Description : PT RUN 77 SO 17106 Survey Blk & District : V, VI, IX, X, XIII FOX	CMS Map # : 11 Area : 3844.5136 ha Ecological District : Two Thumb Area Office : Twizel District Council : Mackenzie
DESCRIPTION <u>General:</u> Alpine ridges and basins with snow tussocklands and herbfields amongst greywacke rock and scree, in upper reaches of Forest Creek and Neutral Creek. <u>Location:</u> Headwaters of a tributary on the true right of Rangitata River, east of top of Lake Tekapo/Takapo, on Two Thumb Range. <u>Main Ecosystems:</u> Snow tussocklands on mountain slopes, alpine herbfields on ridges, scree and rocklands; tussocklands in cirque basins, a;oine tarn and stream margin wetland. <u>Main Plant Species:</u> Slim snow tussock, blue tussock, <i>Celmisia</i> spp., narrow-leaved snow tussock especially on wetter lower to mid slopes, <i>Chionochoa macra</i> , <i>Poa colensoi</i> , <i>Chionochoa rigida</i> . <u>Notable Fauna:</u> Not found in 1986. <u>Threatened Species:</u> Insufficient data. <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Not known <u>Visitor Use:</u> Not known <u>Facilities:</u> Nil <u>Other Features:</u> Not known	
THREATS To Ecological Features: <u>Animal Threats:</u> Thar, wallaby, stock <u>Plant Threats:</u> No data Other: No data	
MANAGEMENT Issues: Not known. Thar control., overall conservation management of conservation lands in the Two Thumb Range. Priorities: Animal control, ecological assessment, management planning and access. Consider inclusion within a Two Thumb Conservation Park, to include all Two Thumb areas.	

LAND UNIT: I37003	NAME: TWO THUMB RANGE CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2326135 5701677 Legal Description : PT R.S. 40135 & PT SEC.15A SHERWOOD DOWNS SE SO 17106 Survey Blk & District : XIII, XIV FOX I, II, V OPUHA IV, VIII TEKAPO, XVI TEKAPO NORTH	CMS Map # : 11 Area : .6404.1502 ha Ecological District : Two Thumbs Area Office : Twizel and Raukapuka District Council : Mackenzie
DESCRIPTION <p>General: Cirque basins and long montane valleys in the upper reaches of the South Opuha River, SE Two Thumb Range; plus steep upper NW slopes of Two Thumb Range, gently sloping terrace bench and incised stream around the site of the former Tekapo Skifield. Screes dominate upper slopes.</p> <p>Location: Majority of the land lies on the Se of Two Thumb Range between Fox Peak and Mt Dobson Skifields. Unit extends over ridge crest to slopes E of Lake Tekapo/Takapo. Accessible from old skifield road, off Lilybank Road.</p> <p>Main Ecosystems: Snow tussocklands on hillslopes, cirque basin snow tussockland; sparse alpine herbfields on scree, rockfields, bluffs, montane shrubland in gullies and lower hillslopes.</p> <p>Main Plant Species: On slopes facing Lake Tekapo/Takapo: slim and narrow-leaved snow tussock. <i>Rytidosperma setifolium</i>, hard tussock, <i>Aciphylla aurea</i>, blue tussock, matagouri, <i>Carex muelleri</i>, <i>Olearia</i> sp. Common species in the South Opuha River catchment: narrow-leaved snow tussock especially on lower and mid slopes, slim snow tussock, blue tussock, <i>Celmisia viscosa</i>, <i>Dracophyllum uniflorum</i>, <i>Hieracium pilosella</i>, <i>Chionochloa macra</i>, <i>Chionochloa rigida</i>, <i>Poa colensoi</i>, <i>Festuca novae-zelandiae</i>, <i>Discaria toumatou</i></p> <p>Notable Fauna: No data</p> <p>Threatened Species: Nothing reported</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low</p> <p>Facilities: 1 four bunk hut.</p> <p>Other Features: Adjacent to Mackenzie RAP - Coat River, an area, selected primarily as a good altitude sequence of plant communities and landforms. Good skink/mokomoko habitat on sunny screes. Within Thar Management Unit 3. Animal densities low at present.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Thar, stock, wallaby, hare.</p> <p>Plant Threats: Introduced pasture species, <i>Hieracium</i>, wilding trees, broom, especially in the Opuha catchment.</p> <p>Other: Natural values reduced by old skifield facilities and road. (Minor problem)</p>	
MANAGEMENT <p>Issues: Animal control, reassess condition and values, wilding and weed control.</p> <p>Priorities: Establish Two Thumb Conservation Park. Include all Two Thumb areas. Wild animal control. Assess condition and values. Wilding and weed control.</p>	

LAND UNIT: I37005	NAME: CASS RIVER DELTA CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2308480 5700056 Legal Description : CROWN LAND IN CASS RIVERBED SO 17106 Survey Blk & District : I, II TEKAPO	CMS Map # : 11 Area : 40.0000 ha Ecological District : Tekapo Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Part of the braided riverbed and lake-margin delta of Cass River, a tributary of Lake Tekapo/Takapo.</p> <p>Location: On W shore of Lake Tekapo/Takapo near Goldley Peaks and Glenmore Stations, N of Lake Alexandrina.</p> <p>Main Ecosystems: Semi stable braided riverbed habitats including shingle islands and bars, mudflats, shallow aquatic habitats, stream swamplands. Extent of habitat influenced by controlled fluctuations of lake level.</p> <p>Main Plant Species: <i>Epilobium</i> spp., <i>Raoulia</i> spp., <i>Helichrysum depressum</i>, <i>Muehlenbeckia axillaris</i>.</p> <p>Notable Fauna: Records cover whole river not just delta area. Black shag/k au, little black shag/k au, black stilt/kak , large breeding populations of wrybill/ngutupare, banded dotterel/pohowera, and black fronted tern/tarapirohe, pied stilt/poaka, black billed gull, Caspian tern/tara, NZ scaup, NZ shoveller/kuruwhengu, grey teal/tete, white winged black tern/tara. NZ pipit/p hoihoi, marsh crane.</p> <p>Threatened Species: Black stilt/kak (A), banded dotterel/pohowera (C), wrybill/ngutupare (B), black fronted tern/tarapirohe (B), Caspian tern/tara (O - threatened in NZ).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low, fishermen, bird watchers etc</p> <p>Facilities: N/A</p> <p>Other Features: Rated as outstanding value for black stilt and banded dotterel/pohowera, under SSWI fauna surveys (Jarman 1987). Meets RAMSAR Convention criteria as a wetland of international importance. Part of Mackenzie RAP 23 - covers Cass River.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock, predation by introduced mammals, e.g. stoat, ferret and cat.</p> <p>Plant Threats: Low level of weeds a notable feature. Willows and wilding tree spread from adjacent runs needs to be monitored.</p> <p>Other: Human disturbance (minor), lake level fluctuations may affect nesting birds at delta margin.</p>	
MANAGEMENT <p>Issues: Maintain outstanding ecological values. Control and monitor weeds especially willows. Advocate for sound management of upper reaches. Assess need to increase size of protected area.</p> <p>Statutory Acknowledgement: Takapo – implementation of Ng I Tahu Deed of Settlement</p> <p>Priorities: Increase size of protected area (Cass river delta and lower reaches including gorge). Advocate sound adjacent management. Control weeds.</p>	

LAND UNIT: I37008	NAME: LAKE ALEXANDRINA SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2305357 5697147 Legal Description : RS 41447 Survey Blk & District : V TEKAPO	CMS Map # : 11 Area : 24.0160 ha Ecological District : Tekapo Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Small area of flat, dry grassland and wetland, with willow fringe on lake (marginal strip), at head of the glacial Lake Alexandrina/Takamoana.</p> <p>Location: Head of Lake Alexandrina/Takamoana, W of Lake Tekapo/Takapo, Mackenzie Basin.</p> <p>Main Ecosystems: Dry, modified short-tussock grassland; Carex wetland; lake fringe with willows.</p> <p>Main Plant Species: <i>Festuca novae-zelandiae</i>, <i>Hieracium</i> spp. , exotic pasture spp.; <i>Carex secta</i>, raup ; willow spp.</p> <p>Notable Fauna: Using lake and margins: Southern crested grebe (one of NZ's largest single area populations), paradise shelduck/p takitaki, grey teal/tete, NZ shoveler/kuruwhengu/kauwhengi, NZ scaup (one of NZ's largest populations), Australian coot, black-billed gull, little shag/k au.</p> <p>Threatened Species: Southern crested grebe (O), NZ scaup (listed as threatened, not ranked).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Long history from fishing community</p> <p>Visitor Use: High</p> <p>Facilities: Nil - small hut community adjacent to reserve, fish traps in small stream spawning area for rainbow/brown trout</p> <p>Other Features: Good dryland lizard habitat adjacent to the lake.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: None.</p> <p>Plant Threats: Willows.</p> <p>Other: Nutrient and groundwater runoff from surrounding land.</p>	
MANAGEMENT <p>Issues: Water quality; improved ecological assessment needed. Conclude lake management and land protection negotiations, rationalise tenure.</p> <p>Priorities: Complete land management and protection negotiations. Ecological assessment.</p>	

LAND UNIT: I37022	NAME: MT DOBSON CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2321617 5691117 Legal Description : PT RS 41129 SO 17106 Survey Blk & District : IX OPUHA VIII, XII, XVI TEKAPO	CMS Map # : 11 Area : 2717.5000 ha Ecological District : Two Thumb Area Office : Raukapuka District Council : Mackenzie
DESCRIPTION <p>General: Montane slopes, valley, alpine basin and ridges around Mt Dobson skifield. Tussock grassland, shrublands and mountain t tara forest grade into snow tussocklands, then diverse alpine herbfields.</p> <p>Location: Firewood Stream, a S-facing valley on E side of Two Thumb Range 15km NW of Fairlie, S Canterbury.</p> <p>Main Ecosystems: Mixed shrublands; mountain t tara broadleaved forest; slim and narrow leaved snow tussocklands; mixed snow tussock shrublands; alpine herbfields on scree, bluff, seepage and rockland environments.</p> <p>Main Plant Species: <i>Dracophyllum acerosum</i>, <i>D longifolium</i>, <i>Aciphylla colensoi</i>, <i>Celmisia semicordata</i>; <i>Coprosma</i> spp., <i>Hoheria lyallii</i>; mountain t tara, lancewood/horoeka broadleaf/k puka, slim and narrow-leaved snow tussock, hard tussock, blue tussock; <i>Celmisia</i> spp.</p> <p>Notable Fauna: Kea; <i>Nestor notabilis</i>/kea</p> <p>Threatened Species: <i>Helichrysum plumeum</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: High ski area and hunting</p> <p>Facilities: Nil</p> <p>Other Features: Majority of area is included in Two Thumb Range PNA3; type locality for <i>Aciphylla dobsonii</i> and <i>Helichrysum plumeum</i>. Includes Mt Dobson Skifield (Cons. Unit J37014)</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Thar, wallaby.</p> <p>Plant Threats: Briar rose, broom in lower valley, wilding pines.</p> <p>Other: Skifield and roading impacts.</p>	
MANAGEMENT <p>Issues: Manage skifield impacts, assess and maintain habitat condition.</p> <p>Priorities: Skifield management, ecological assessment, animal control and monitoring.</p>	

LAND UNIT: I37004	NAME: TWO THUMB CONSERVATION AREA (RICHMOND RANGE).
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2321206 5701037 Legal Description : RS 40136 SO 17106 Survey Blk & District : III, IV TEKAPO XVI TEKAPO NORTH	CMS Map # : 11 Area : 760.8090 ha Ecological District : Two Thumbs Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Part of Boundary Stream Catchment. An area of SE facing relic cirque basins, extensive scree and steep terrain. Includes incised mid reaches of Boundary Stream.</p> <p>Location: E of Lake Tekapo/Takapo approx. half way up the lake. Richmond Range is a small western offshoot of the SW Two Thumb Range.</p> <p>Main Ecosystems: Snow tussockland; cirque basin wetland herbfield; scree and rock (extensive).</p> <p>Main Plant Species: No site specific data. Expected species are slim snow tussock and <i>Celmisia</i> spp. at high altitude; narrow-leaved snow tussock on mid altitude slopes; extent of stream shrublands not determined. <i>Chionochloa macra</i> and <i>Chionochloa rigida</i></p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Area covered by Heron RNA Survey (1984) but not identified as a priority area.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Within range of thar.</p> <p>Plant Threats: Wildings trees.</p> <p>Other: No data</p>	
MANAGEMENT <p>Issues: Reassess overall management of the numerous DOC land areas in the Two Thumb Range. Assess condition: especially regarding wild animals, wilding threats, natural values and legal public access.</p> <p>Priorities: Assess all management issues. Ecological assessment. Legal public access. Include as part of a proposed Two Thumb Conservation Park. Wild animal control Wilding trees.</p>	

LAND UNIT: I37050	NAME: LAKE TEKAPO SCIENTIFIC RESERVE
ADMINISTRATION Legal Status : Local Purpose Reserve Reserve Classified ? :N Grid Reference : 2307092 5683063 Legal Description : PT RES 3864 SO 4943 Survey Blk & District : I II BURKE XIII XIV TEKAPO	CMS Map # : 11 Area : 1058.6576 ha Ecological District : Pukaki Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Flat to rolling area of terminal moraines with scattered kettleholes, with their diverse floras and insect faunas, and modified dry short-tussock grassland.</p> <p>Location: Immediately S of Lake Tekapo village, S of Lake Tekapo/Takapo, Mackenzie Basin.</p> <p>Main Ecosystems: Short tussock grassland with major exotic component in parts; kettlehole turf vegetation, in distinct zones though displaying transitional and successional gradients; shrubs on terrace risers.</p> <p>Main Plant Species: <i>Festuca novae-zelandiae</i>, <i>Hieracium pilosella</i> (dominant), <i>Coprosma petriei</i>, <i>Poa maniototo</i>, <i>Raoulia</i> spp., <i>Elymus recticetus</i>; (wet zones): <i>Potamogeton cheesemani</i>, <i>Elatine gratioloides</i>, <i>Isolepis basilaris</i>, (drier zones): <i>Limosella lineata</i>, <i>Crassula sinclairii</i>, <i>Stackhousia minima</i>; matagouri; <i>Coprosma propinqua</i>, <i>Muehlenbeckia axillaris</i>.</p> <p>Notable Fauna: <i>Brachaspis robustus</i>; 2 rare moth species endemic to Mackenzie Basin, various waders and waterfowl, including pied stilt, banded dotterel/pohowera, diverse representative range of dry grassland and aquatic invertebrates. Skink/mokomoko.</p> <p>Threatened Species: PLANTS: <i>Isolepis basilaris</i> (IUCN-R) ANIMALS: <i>Brachaspis robustus</i> (A); banded dotterel/pohowera (C); 2 species of moth endemic to Mackenzie Basin.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Originally used for overnight grazing for hotel - historic stock movements along eastern boundary</p> <p>Visitor Use: High in parts, low over majority</p> <p>Facilities: Tekapo walkway through part of reserve. A number of trial plots vegetation and fauna, rabbit proof fences</p> <p>Other Features: Not known</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:(Rabbits)</p> <p>Plant Threats: Sweet briar; <i>Hieracium</i> spp; introduced grasses, wilding trees.</p> <p>Other: 4-wheel drive and motorcycle use, fire.</p>	
MANAGEMENT <p>Issues: Rabbit control; wilding control; introduced grasses and spp. control; vegetation succession research; restoration; soil erosion processes (research).</p> <p>Priorities: Rabbit control. Research programme. Weed control. Recreational management and interpretation.</p>	

LAND UNIT: I37057	NAME: MICKS LAGOON WILDLIFE RESERVE (PROPOSED)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2308486 5701831 Legal Description : PT RS 42000 so 17106 Survey Blk & District : I, II TEKAPO	CMS Map # : 11 Area : 9.0299 ha Ecological District : Tekapo Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Small tarns and ponds on undulating lateral moraine on terrace 200m above Lake Tekapo. Part of an area with exceptional relic glacial landforms, numerous wetlands and very high bird habitat value.</p> <p>Location: Approximately 2km NW of Cass River mouth as it enters Lake Tekapo/Takapo.</p> <p>Main Ecosystems: Open shallow water; Carex sedgeland?; surrounded by grazed tussock grassland.</p> <p>Main Plant Species: Red tussock, <i>Aciphylla</i> sp, no further data.</p> <p>Notable Fauna: Black stilt/kak (breeding site), grey teal/tete, NZ shoveller/kuruwhengu, NZ scaup, Australasian bittern, marsh crake, SI pied oyster catcher, pied stilt/poaka, white-winged black tern/tara (recorded infrequently), banded dotterel/pohowera.</p> <p>Threatened Species: Black stilt/kak (A), banded dotterel/pohowera (C), Australasian bittern (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: N/A</p> <p>Visitor Use: N/A</p> <p>Facilities: Predator proof fenced, 3 dams and weirs installed</p> <p>Other Features: A key breeding site for a wide range of waterbirds, especially ducks, geese, swans and notably for black stilt/kak, grey teal/tete, NZ scaup. An "outstanding" SSWI. Also meets RAMSAR Convention criteria for international importance. Identified as an RAP in the Mackenzie PNA survey report. Recommendation is based on area's value for wildlife. Plant communities not exceptional.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Predators, area fenced, trapping as required</p> <p>Plant Threats: Willow minor infestation - managed, thistles etc</p> <p>Other: Hybridisation with pied stilt, alterations of hydrology as a result of change in surrounding land uses.</p>	
MANAGEMENT <p>Issues: Complete long running purchase and legal transactions. Threatened species management, habitat enhancement reserach, including grazing to control vegetation.</p> <p>Statutory Acknowledgement: Takapo (Lake Tekapo) – Implementation of Ng i Tahu Settlement.</p> <p>Priorities: Threatened species management, including construction of predator proof fence. Habitat enhancement research. Construct artificial ponds.</p>	

LAND UNIT: I38011	NAME: BURKE PASS SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2316064 5676576 Legal Description : RES 4029 Survey Blk & District : VII BURKE	CMS Map # : 11 Area : 12.3656 ha Ecological District : Pukaki Area Office : Twizel District Council : Mackenzie
DESCRIPTION <p>General: Flattish area near low pass and tussocked hills in dryish, montane tussocklands and part of a <i>Carex</i> wetland.</p> <p>Location: 1km W of Burke Pass, SE of Lake Tekapo/Takapo, Mackenzie Basin.</p> <p>Main Ecosystems: Tall tussock grassland; short tussock grassland with scattered shrubs; small Carex wetland.</p> <p>Main Plant Species: <i>Chionochloa rigida</i>, <i>Aciphylla aurea</i>; <i>Festuca novae-zelandiae</i>, <i>Coprosma</i> spp/karam ., matagouri, <i>Olearia</i> spp.; <i>Carex?secta</i>, <i>Schoenus</i> spp., <i>Coprosma rubra</i>.</p> <p>Notable Fauna: Unknown.</p> <p>Threatened Species: N/A</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Originally a stock droving reserve.</p> <p>Visitor Use: Low</p> <p>Facilities: N/A</p> <p>Other Features: Important as one of the few areas of tall snow tussock that can be seen easily by the public</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits.</p> <p>Plant Threats: Lupin, broom, wilding trees.</p> <p>Other: Removal of plants by the public.</p>	
MANAGEMENT <p>Issues: Weed control, esp. broom and wilding trees. Further ecological assessment needed. Seed source not on DOC land.</p> <p>Priorities: Weed control. Ecological assessment. Interpretation.</p>	

LAND UNIT: I39004	NAME: KIRKLISTON RANGE CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? :N/A Grid Reference : 2312114 5622887 Legal Description : PTS LOTS 2 & 3 DP 2739 Survey Blk & District : VI, VII, X, XI, XIII, XIVV DALZELL IV, VI GIBSON I, II, V, VI HAKATARAMEA	CMS Map # : 14 Area : 8730.6637 ha Ecological District : Kirkliston Area Office : Twizel District Council : Waimate
DESCRIPTION <p>General: Dryish and drought-prone E and SW faces of a small greywacke mountain range, with healthy and regenerating snow tussocklands and alpine and scree vegetation along the summit ridge (to 1864m).</p> <p>Location: Kirkliston Range, W of Hakatarama basin, Waitaki valley.</p> <p>Main Ecosystems: Narrow-leaved snow tussockland (<i>C. rigida</i>); slim snow tussockland (<i>C. macra</i>); narrow-leaved tussockland with hard tussock and silver tussock/w ; herbfield and screeland; matagouri scrub; scattered remnants of thin-bark t tara forest.</p> <p>Main Plant Species: <i>Chionochoa rigida</i>; <i>C. macra</i>, <i>Poa colensoi</i>; <i>Aciphylla aurea</i>, <i>Festuca novae-zelandiae</i>, <i>Poa cita</i>/w ; <i>Celmisia</i> spp., <i>Dracophyllum</i> spp., <i>Hebe</i> spp.; matagouri, <i>Coprosma</i> spp/karam ., porcupine shrub, tutu; thin-bark t tara, broadleaf/k puka, <i>Melicytus alpinus</i>, <i>Coriaria sarmentosa</i>/tutu, <i>Podocarpus hallii</i>, <i>Griselinia littoralis</i>/k puka.</p> <p>Notable Fauna: Pipit/p hoihoi, paradise duck/p takitaki, black shag/k au, South Island pied oyster catcher, grasshopper (<i>Brachaspis</i> spp.) species, lizards (<i>Leiopsima</i> spp.), <i>Megadromus</i> sp. (ground beetle). Is confined to the Kirkliston and Grampian Ranges.</p> <p>Threatened Species: <i>Aciphylla montana</i> var. <i>gracilis</i> (IUCN-L); <i>Coprosma intertexta</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: 1st totem up in 1857, 1869 Canterbury and Otago Association, 1896 Lincoln College (Canterbury Agricultural College), 1964 became Crown land</p> <p>Visitor Use: Medium, trampers, hunters, school groups</p> <p>Facilities: Nil</p> <p>Other Features: Rated as high value for vegetaion. Boundary limit for a number of plant species</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Chamois, red deer, wallabies, hares, rabbits.</p> <p>Plant Threats: <i>Hieracium</i> spp.; broom and gorse (minor); wilding trees esp. <i>Pinus nigra</i> and <i>Pinus contorta</i>.</p> <p>Other: Accelerated erosion (decreasing with improved vegetation cover); fire.</p>	
MANAGEMENT <p>Issues: Remove trials of introduced trees (esp. wilding-prone species) and wilding spread; water quality in Potato stream; fire control; ensure continued regeneration of areas under grazing licence by preventing overgrazing and ensuring adequate stock control. Wallaby and rabbit control.</p> <p>Priorities: Wilding Tree Control Plan has been prepared. Wallaby control. Stock grazing. Recreational management.</p>	

LAND UNIT: I40001 (also includes I40006, I40007, I40009, I40010, I40032)	NAME: LOWER WAITAKI RIVERBED CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act; Crown land Reserve Classified ? : Grid Reference : 2316113 5610646 Legal Description : PT RES 2878 SO 17109 PT BED HAKATARAMEA RIVER SO 17109 CROWN LAND, ISLANDS IN WAITAKI RIVER. SO 22292 PT BED ADJ. TAHAWAI SETTLEMENT SO 22292 PT WAITAKI AND KUROW RIVERBEDS SO 22292 CROWN LAND SO 22292PT RES 2829 SO 22292 Survey Blk & District : X, XI, XIII, XIV HAKATARAMEA I,IV KUROW	CMS Map # : 14 Area : 142.99 ha Ecological District : Hakataramea Area Office : Twizel District Council : Waimate
DESCRIPTION <p>General: Fragmented blocks of land within the highly modified braided channel of the lower Waitaki River. See sheet for I40046, for overview of the lower river. No site specific data.</p> <p>Location: Between outlet of Lake Waitaki and Kurow township, North Otago.</p> <p>Main Ecosystems: Sparsely vegetated braided river channels; willow dominated berms and islands; small areas of swampland and streams.</p> <p>Main Plant Species: Salix fragilis, gorse, introduced grasses, shrub lupin, Carex spp.?</p> <p>Notable Plants: <i>Maehlenbeckia axillaris</i>, <i>Carmichaelia corrugata</i>, <i>Raoulia</i> spp.</p> <p>Notable Fauna: As for site I40046 and others in Raukapuka Area Office. Rare moths, <i>Kiwaia lenis</i>, <i>Eudonia gyrotoma</i>, <i>zermizinga indociliaria</i> (only sites in the Lower Waitaki). See Lower Waitaki Hydro Investigations, Ornithological Report 1989, B.H. Patrick, W. P. Chisholm</p> <p>Threatened Species: Unsure</p> <p>Landscape: Stony river terraces regionally important</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low</p> <p>Facilities: No data</p> <p>Other Features: As I40046</p>	
THREATS To Ecological Features: <p>Animal Threats:Rabbits, stock.</p> <p>Plant Threats: Broom, gorse, introduced grasses, willow, <i>Clematis vitalba</i>.</p> <p>Other: Farm development - plowing OSTD. Burning, stock movement</p>	
MANAGEMENT Issues: Weed and willow control, retaining river terraces in their natural state, controlling stock movement and land development. Statutory Acknowledgement: Waitaki River Implementation of Ng i Tahu Settlement Priorities: <ul style="list-style-type: none"> - Retaining terraces in their natural habitat - Controlling stock and development - Weed control. 	

LAND UNIT: I40046 (also includes I40051)	NAME: LOWER WAITAKI RIVER BED
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2332823 5591781 Legal Description : CROWN LAND ADJOINING R.S. 40499 SO 22292; CROWN LAND; PT RIVERBED WAITAKI RIVER SO 22292 Survey Blk & District : V IX ELEPHANT HILL I, II, IV MEYER XII MAEREWHEA	CMS Map # : 14 Area : 838.1000 ha Ecological District : Duntroon Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Wide braided riverbed dominated by introduced vegetation. Swamps and streams within willows on wide floodplain berms. DOC land is fragmented blocks throughout lower river.</p> <p>Location: Within riverbed of Waitaki River between Kurow and SH1 bridge, N of Oamaru.</p> <p>Main Ecosystems: Braided river channels free of permanent vegetation; willow-dominated berms with tributary streams and swampland.</p> <p>Main Plant Species: <i>Salix fragilis</i>, gorse, introduced grasses, shrub lupin, native wetland species not recorded.</p> <p>Notable Fauna: Australasian bittern, black billed gull (numerous), banded dotterel, SI pied oystercatcher, grey teal/tete, NZ shoveler/kuruwhengu/kuruwhengi, black shag/k au, pied stilt/poaka, southern black backed gull/karoro (numerous), Caspian tern/tara, wrybill/ngutuparea, black fronted tern/tarapirohe.</p> <p>Threatened Species: Wrybill/ngutupare (B), banded dotterel/pohowera (C), Caspian tern (O - threatened in NZ but secure overseas), black fronted tern/tarapirohe (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Cultural and archaeological sites along banks especially near Glenavy. No details available.</p> <p>Visitor Use: fishing, boating, gamebird hunting</p> <p>Facilities: Nil</p> <p>Other Features: Fisheries, invertebrates, aquatic plants and habitat needs for wetland birds are well documented. High habitat value ranking. Lower river is an internationally recognised salmon angling river.</p>	
THREATS To Ecological Features: Animal Threats: Plant Threats: Gorse and willows extensive. Other: Water abstraction for power generation and irrigation. Ongoing habitat change due to loss of sediment input and controlled water levels.	
MANAGEMENT Issues: Weed control, potential for restoration, resolution of water allocation issues. Statutory Acknowledgement: Waitaki River Implementation of Ng i Tahu Settlement. Priorities: Advocacy with other agencies to establish planning detail.	

LAND UNIT: I40072	NAME: ST MARYS RANGE RETIREMENT AREA
ADMINISTRATION Legal Status : To be allocated to DOC. Reserve Classified ? : Grid Reference : 2295931 5599601 Legal Description : PT RUN 766 362B 574 & 4 & 6 OF 23 Survey Blk & District : KUROW MT BUSTER OTAMATAKAU	CMS Map # : 14 Area : 13200.0000 ha Ecological District : St Mary Area Office : Twizel District Council : Waitaki
DESCRIPTION <p>General: Gently sloping tops of a North Otago mountain range, steep vegetated hill slopes and deeply incised gullies SE of the Mackenzie Basin. Part of a large area of block faulted relatively low rainfall mountain land.</p> <p>Location: Retired land from "Rugged Ridges" Run, on S side of Waitaki River above Lake Aviemore/Mahi T kumu.</p> <p>Main Ecosystems: Snow tussockland; fellfield seepage wetlands; sparsely vegetated rock pavements on summit plateau and ridges; shrub tussockland in incised gullies.</p> <p>Main Plant Species: Narrow-leaved snow tussock, slim snow tussock, <i>Festuca matthewsii</i>, <i>Dracophyllum muscoides</i>, blue tussock, <i>Celmisia</i> spp., <i>Kelleria villosa</i>, <i>Raoulia</i> spp.; (Shrub tussockland not surveyed). <i>Chionochloa macra</i>, <i>Chionochloa rigida</i>, <i>Poa colensoi</i></p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Possible gold mining sites.</p> <p>Visitor Use: Moderate at Awakino ski field</p> <p>Facilities: Ski club buildings</p> <p>Other Features: Extensive bare rock fields with periglacial features, e.g. solifluction lobes, stone stripes and polygons. Includes geopreservation site - "Kohurau, patterned ground" - a spectacular array of periglacial landforms. Excellent example of a rock glacier E of Mt Bitterness.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock, rabbits on lower slopes, pigs.</p> <p>Plant Threats: <i>Hieracium</i>, sweet briar, wilding trees.</p> <p>Other: Ski field operation and development (Awakino Field - low key development at present).</p>	
MANAGEMENT <p>Issues: Part of area is presently crown land, an expired pastoral occupational licence and pastoral lease. Resolution needed of status of survey, fencing and grazing levels. Discussions in progress. Wilding threats</p> <p>Priorities: Resolution of status and grazing issues. Public access and information. Development of management guidelines for area. Wilding tree control</p>	

LAND UNIT: J35001	NAME: RANGITATA - RAKAIA CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2337510 5762193 Legal Description : CROWN LAND SO 17112 Survey Blk & District : I, II, III, IV, V CLYDE I, II, III, VI, VII, VIII DAVIE I, II HAVELOCK I, II HERON I, II, III, IV, V, VI MATHIAS I, II, III, IV, V	CMS Map # : 7 Area : 52246.0000 ha Ecological District : Armoury Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Vast area of mountain land E of Main Divide in headwaters of Rangitata, Ashburton/Hakatere and Rakaia rivers, extending from Forbes River of the Rangitata to N Mathias of the Rakaia. Contiguous with former state forest areas which are mainly on lower mountain slopes.</p> <p>Location: Central eastern Southern Alps and eastern mountain ranges including Cloudy Peak, Armoury, Jollie, Arrowsmith and Ragged Ranges.</p> <p>Main Ecosystems: Snow tussocklands; scree, bluff, rockland sparse herbfields; cirque basin tussocklands and herbfields; subalpine shrublands; pockets of beech and hardwood forests.</p> <p>Main Plant Species: Limited data available. Dominant plants are broad-leaved and mid ribbed snow tussock, <i>Celmisia</i> spp., <i>Dracophyllum</i> spp., mountain toatoa, snow t tara, <i>Coprosma parviflora</i>. Forest species include mountain beech/tawai, Hall's t tara, and kaikawaka.</p> <p>Notable Fauna: Blue duck/k whiowhio, kea, k re rea, banded dotterel/pohowera, rock wren, arctic tern recorded here.</p> <p>Threatened Species: Blue duck/k whiowhio (B), kea (B), k re rea (B), rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Possibility of historic huts. Acland ladder site.</p> <p>Visitor Use: Climbing, tramping, hunting</p> <p>Facilities: 1 six bunk hut, 3 bivvies.</p> <p>Other Features: Includes 2 geopreservation sites - Ragged Range protalus rampart, a very well defined example of this cirque basin landform of regional importance, and Cameron Valley moraine loop - a landform of national importance.</p>	
THREATS To Ecological Features: <p>Animal Threats:Feral stock, wild animals including thar, deer, possum and chamois.</p> <p>Plant Threats: Russell lupins present in Forbes River.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Thar control planned for 1994/95. Objective in thar control plan is to protect conservation values through control. Monitoring necessary. Bird species management, weed control.</p> <p>Assess historic significance of huts and area in general.</p> <p>Priorities: Animal control, species monitoring, weed control, tenure review, recreation management and access.</p>	

LAND UNIT: J35002	NAME: RAKAIA FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2353634 5770062 Legal Description : RES 4762, 3317 RES 4755 Survey Blk & District : I GLENROCK III, IV, VII, VIII RAMSAY I, II, V, VI, VII, VIII WHITCOMBE II, III, V OWEN	CMS Map # : 7 Area : 5683.3641 ha Ecological District : Mathias Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Three tracts of montane forest and shrublands in creeks and steep sideslopes in Upper Mathias, and Upper Rakaia Rivers. Highly diverse with some notable uncommon forest types.</p> <p>Location: Upper W and N Mathias Rivers, true left of Upper Rakaia from M nuka Point to Cattle Stream watershed, SW Ragged Range, true right of Rakaia near Meins Knob, Inland Mid Canterbury.</p> <p>Main Ecosystems: Montane forest, alpine scrub, bluff shrublands, streamside shrub grasslands, scree shrublands.</p> <p>Main Plant Species: Hall's t tara, mountain toatoa, broadleaf/k puka, weeping m pou, Southern r t, <i>Coprosma</i> spp./karam, wineberry, fuchsia/k tukutuku, mountain ribbonwood/houhi, k nuka, mountain beech/tawai, <i>Olearia ilicifolia</i>, <i>Dracophyllum uniflorum</i>, lancewood/horoeka.</p> <p>Notable Fauna: Blue duck/k whiowhio, kea, tomtit/miromiro, rifleman/t tipounamu, rock wren, brown creeper.</p> <p>Threatened Species: Blue duck/k whiowhio (B), kea (B), rock wren (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Greenstone route</p> <p>Visitor Use: Hunting, tramping</p> <p>Facilities: Non DOC huts (2)</p> <p>Other Features: Upper Mathias block is gazetted as Mathias Ecological Area because of outstanding Hall's t tara forest with kaikawaka; part of Ragged Range-M nuka Point blocks included in Mathias RAP 10 and 11 because of representativeness, and naturalness. Several locally uncommon plants.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock and wild animals in low numbers. Part of Exclusion Zone 1 for thar.</p> <p>Plant Threats: Very few adventive plants.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Thar control.</p> <p>Priorities: Thar control</p>	

LAND UNIT: J35004	NAME: LAWRENCE FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2340229 5756759 Legal Description : RES 3318 & 3319 Survey Blk & District : III, VII CLYDE VIII, XI, XII RAMSAY	CMS Map # : 7 Area : 1105.1964 ha Ecological District : Arrowsmith Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Steep lower slopes of a broad glacial valley with extensive patches of forest, grassland and scrub riverflats, and areas of subalpine scrub and tall tussock grassland above the tree-line and between forest remnants.</p> <p>Location: W and N of the E side of the Lawrence River, Rangitata headwaters W of the Arrowsmith Range, central Southern Alps.</p> <p>Main Ecosystems: Sub-alpine scrub; tall tussock grassland; short grassland; beech forest/tawai; thin-bark tara forest; mountain toatoa forest.</p> <p>Main Plant Species: <i>Dracophyllum</i> spp., <i>Senecio cassinioides</i>, <i>Dacrydium bidwillii</i>; mid-ribbed snow grass, broad-leaved snow grass; hard tussock, <i>Poa</i> spp., <i>Ophioglossum coviaceum</i>.</p> <p>Notable Fauna: Brown creeper, tomtit/miromiro, kea, k re re/NZ falcon, banded dotterel/pohowera.</p> <p>Threatened Species: Kea (B), k re re (B), banded dotterel/pohowera (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Moderate</p> <p>Facilities: 1 bivvy</p> <p>Other Features: Surprising large numbers of the ferns <i>Ophioglossum coriaceum</i> (grassland), <i>Cystopteris fragilis</i> (forest and scrub), and <i>Asplenium tricomanes</i> (moraine).</p>	
THREATS To Ecological Features: <p>Animal Threats:Chamois, red deer, thar, possums, stock.</p> <p>Plant Threats: Russell lupin around Erewhon Station in riverbed.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Access; stock grazing; wild animal control especially thar</p> <p>Priorities: That monitoring, wild animal monitoring.</p>	

LAND UNIT: J35006	NAME: LAKE HERON NATURE RESERVE AND WILDLIFE REFUGE
ADMINISTRATION Legal Status : Nature Reserve Reserve Classified ? :Y Grid Reference : 2363157 5747842 Legal Description : RES 4260 Survey Blk & District : VII, VIII, XI, XII HERON	CMS Map # : 7 Area : 685.9421 ha Ecological District : Hakatere Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Large deep relic-glacial lake and narrow marginal strip dammed by shingle fans. Of outstanding habitat value for waterbirds especially as a key breeding and feeding area for the endangered Australasian Crested Grebe.</p> <p>Location: Within Ashburton Lakes/ T Wharekai Wetlands Complex, inland mid Canterbury. Lake Heron drains into the Upper Rakaia River.</p> <p>Main Ecosystems: Open water; Carex sedgeland; willow treelands; lake margin turfand.</p> <p>Main Plant Species: <i>Carex secta</i>, willow, <i>Juncus effusus</i> (introduced), red tussock, <i>Schoenus pauciflorus</i>, <i>Carex sinclairii</i>, <i>C. gaudichaudiana</i>; <i>Sagina procumbens</i>, <i>Limosella lineata</i>, <i>Celmisia graminifolia</i>; hard tussock.</p> <p>Notable Fauna: Crested grebe/k mana, NZ scaup, wide range of common waterfowl.</p> <p>Threatened Species: ANIMALS: Crested grebe (O -threatened in NZ but secure overseas), NZ scaup (listed but not ranked). PLANTS: <i>Ophioglossum petiolatum</i> (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Moderate/high seasonal dependant i.e. fishermen and campers</p> <p>Facilities: Camp area administered by District Council</p> <p>Other Features: Flow levels are protected under the Rakaia River Water Conservation Order; Part of Hakatere PNA 2; "outstanding" wildlife habitat rating of national and international importance especially as grebe and scaup habitat.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock grazing along margins threatens nesting birds, cattle grazing of Cameron Fan sedgeland on edge of the lake.</p> <p>Plant Threats: Willows, broom.</p> <p>Other: Land use intensification, declining water quality.</p>	
MANAGEMENT <p>Issues: Maintenance of habitat values. Advocacy for protection of adjacent swamplands. Continued monitoring of grebe population planned. Statutory Acknowledgement, T Wharekai, implementation of Ng i Tahu Deed of Settlement.</p> <p>Priorities: Habitat monitoring, advocacy and interpretation.</p>	

LAND UNIT: J36002	NAME: M ORI LAKES NATURE RESERVE
ADMINISTRATION Legal Status : Nature Reserve Reserve Classified ? :Y Grid Reference : 2362144 5735865 Legal Description : RES 4263,4264 Survey Blk & District : III, IV TRIPP	CMS Map # : 7 Area : 28.5303 ha Ecological District : Hakatere Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Shallow lakes connected by densely vegetated swampland on glacial outwash deposits of very high value for waterbirds.</p> <p>Location: Within Ashburton Lakes/ T Wharekai Wetland Complex, upper Ashburton River/Hakatere catchment, inland mid Canterbury.</p> <p>Main Ecosystems: Open water; raup and Carex sedge reedland; aquatic vegetation; lake margin turfand.</p> <p>Main Plant Species: Raup , <i>Carex secta</i>, <i>Hydrocotyle sulcata</i>, <i>Schizeilema nitens</i>, <i>Carex diandra</i>, <i>C. gaudichaudiana</i>, <i>C. sinclairii</i>, <i>C. coriacea</i>, <i>Schoenus pauciflorus</i>.</p> <p>Notable Fauna: Crested grebe/k mana, NZ scaup; marsh crake and Australasian bittern recorded in past.</p> <p>Threatened Species: ANIMAL: Crested grebe/k mana and bittern (threatened in NZ but secure overseas). Within Hakatere PNA 6 PLANT: Ophioglossum petiolatum (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Some harvest of Raup</p> <p>Visitor Use: Moderate/low, season related i.e. campers and fishermen.</p> <p>Facilities: Nil</p> <p>Other Features: Rated as outstanding value to wildlife, with habitat of national and international importance (Stokes and Grant 1992, RAMSAR database).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Risk from stock damage unknown.</p> <p>Plant Threats: Willow encroachment, major problem.</p> <p>Other: Adjacent pastoral development, nutrient input; siltation and raup spread reduces open water areas.</p>	
MANAGEMENT <p>Issues: Maintain wetland habitat, wildlife survey planned 1994/95, control willows and raup , maintain water quality.</p> <p>Statutory Acknowledgement: T Wharekai (Ashburton Lakes) – Implementation of Ng i Tahu Settlement.</p> <p>Priorities: Monitoring of habitat, Ecological Survey, plant threat control, advocacy, reduction of pastoral impacts.</p>	

LAND UNIT: J36004	NAME: UPPER RANGITATA RIVERBED CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2340373 5732908 Legal Description : PT RANGITATA RIVERBE D ADJ. PT RS 1575 SO 17113 Survey Blk & District : VII, XI SINCLAIR	CMS Map # : 7 Area : 270.0000 ha Ecological District : Hakatere Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Grazed island within the floodplain of the Upper Rangitata River.</p> <p>Location: Near Potts River confluence, Mesopotamia, Upper Rangitata River.</p> <p>Main Ecosystems: Semi stable river floodplain tussock grassland.</p> <p>Main Plant Species: Native dryland species present but no site details available. Floodplain includes <i>Epilobium</i> spp., <i>Raoulia</i> spp., silver tussock/w , hard tussock/matagouri.</p> <p>Notable Fauna: No site specific information. Upper Rangitata is notable as habitat for wrybill/ngutupare, black fronted tern/tarapirohe, black billed gull, banded dotterel/pohowera, S.Island pied oystercatcher.</p> <p>Threatened Species: Banded dotterel/pohowera (C), wrybill/ngutupare (B), black fronted tern/tarapirohe (C) recorded in Upper Rangitata but not necessarily on this site.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Tramping, fishing, hunting</p> <p>Facilities: Nil</p> <p>Other Features: Part of the vast Upper Rangitata River identified as a priority natural area in the Heron PNA Survey Hakatere RAP 21. Upper river is of outstanding value for wildlife. Rated as internationally important habitat under RAMSAR Convention criteria.</p>	
THREATS To Ecological Features: <p>Animal Threats:Rabbits.</p> <p>Plant Threats: Broom, smaller amounts of gorse, sweet briar a potential threat.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Assess current condition and habitat values.</p> <p>Statutory Acknowledgement: Rangitata River – implementation of Ng i Tahu Settlement.</p> <p>Priorities: Weed control and monitoring</p>	

LAND UNIT: J36006	NAME: DR SINCLAIR'S GRAVE RESERVE, UPPER RANGITATA
ADMINISTRATION Legal Status : Local Purpose Cemetary Reserve Reserve Classified ? :N Grid Reference : 2341414 5728715 Legal Description : RES 192 Survey Blk & District : XV SINCLAIR	CMS Map # : 7 Area : 4.0468 ha Ecological District : Hakatere Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Site of gravestone for Dr Andrew Sinclair, government official, botanist, surgeon and assistant to geologist von Haast, who drowned while crossing the Rangitata.</p> <p>Location: Upper Rangitata riverbed, near Mesopotamia.</p> <p>Main Ecosystems: Matagouri shrubland and tussock grassland on floodplain - fan toe surface.</p> <p>Main Plant Species: Matagouri, tussock grassland species (no details available).</p> <p>Notable Fauna: Nil</p> <p>Threatened Species: Nil</p> <p>Landscape: Nil</p> <p>Historic/Cultural: Early European assocaition. Dr Sinclair's Grave Site.</p> <p>Visitor Use: Very low</p> <p>Facilities: Nil</p> <p>Other Features: Historic grave site and use as a present day cemetery. Interesting lichen community on gravestone.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Nil</p> <p>Plant Threats: Nil</p> <p>Other: Difficulty locating grave site as matagouri expands - a minor problem. Possible flooding</p>	
MANAGEMENT <p>Issues: Indeterminate site of Sinclair Grave. No legal access to reserve nor is it signposted.</p> <p>Statutory Acknowledgement: Rangitata River – implementation of Ng i Tahu Deed of Settlement</p> <p>Priorities: Survey grave site. Define reserve and access. Provide interpretation.</p>	

LAND UNIT: J36017	NAME: LAKE CAMP RECREATION RESERVE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? :Y Grid Reference : 2353040 5730722 Legal Description : SEC 1 SO 18196 Survey Blk & District : VI TRIPP	CMS Map # : 7 Area : 49.4700 ha Ecological District : Hakatere Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Small moraine-bound lake within flats of the Ashburton Lakes/ T Wharekai basin. A recreation reserve, Lake Camp is used by a variety of waterfowl but is of lower habitat value for birds than other wetlands in the basin.</p> <p>Location: Upper Ashburton River/Haratere Catchment, west of Mt Somers inland mid Canterbury.</p> <p>Main Ecosystems: Open water habitats; narrow shallow lake margin habitats; pasture and willows on terrestrial margins.</p> <p>Main Plant Species: Willows, matagouri, mixed pasture species.</p> <p>Notable Fauna: Transient use by crested grebe/k mana, NZ scaup.</p> <p>Threatened Species: Crested grebe/k mana (threatened in NZ , secure overseas)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Picnickers, fishermen</p> <p>Facilities: Nil</p> <p>Other Features: Included in Ashburton Lakes Wetland Complex, an area ranked of international importance for waterbirds, especially grebe and scaup. (RAMSAR Convention database listing)</p>	
THREATS To Ecological Features: <p>Animal Threats: Domestic animals from adjacent camp, stock damage to margins.</p> <p>Plant Threats:</p> <p>Other: Human disturbance from recreational activities, powerboats, water skiing.</p>	
MANAGEMENT <p>Issues: Limit impacts of recreation on water quality and wildlife. Wildlife survey planned.</p> <p>Priorities: Wildlife Survey</p>	

AND UNIT: J37006	NAME: PEEL FOREST PARK SCENIC RES
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2368225 5700368 Legal Description : RS 41098,41099,41100,41101 RS 41102 RES 1902 LOT 1 DP 25477 RS 40661 RS 41498 41499 SO 14060 LOT 4,19 DP 8214 Survey Blk & District : I, II, III, IV ORARI I,II,III,IV ORARI IV ORARI III ORARI IV ORARI IV ORARI III ORARI	CMS Map # : 11 Area : 723.0157 ha Ecological District : Orari Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Area includes from lowland podocarp/broadleaved forest on loess-covered river terraces, through upper lowland and montane steepish hillslopes and gullies in mixed-broadleaved forest with some podocarps and r t , to steep subalpine hillslopes and summit ridges in snow tussock grassland and herbfield or rock outcrops.</p> <p>Location: South bank of Rangitata River, at plains-foothills boundary, N of Geraldine.</p> <p>Main Ecosystems: Snow-tussock shrubland with subalpine herbs; mosaic of k nuka-dominant and mixed-broadleaved hardwood forests; mixed broadleaved forest with patchy podocarps and/or southern r t ; old-growth podocarp/broadleaved forest.</p> <p>Main Plant Species: <i>Chionochloa rigida</i>, <i>Cassinia leptophylla</i>, <i>Celmisia</i> spp.; k nuka, k whai, fuchsia/k tukutuku; m hoe, southern r t ; kahikatea, mata , lowland and thin-bark t tara.</p> <p>Notable Fauna: Kerer , tomtit/miromiro, black-fronted tern/tara, t , k re rea/NZ falcon, p keko, rock wren.</p> <p>Threatened Species: Kerer (B); <i>Ileostylis micranthus</i> (IUCN-L); Leucogenes "Peel" (IUCN-L); <i>Brachyglottis sciadophila</i> (IUCN-L); k re rea/NZ falcon (B); rock wren (C). New Zealand longtailed bat, pekapeka, <i>Chalinolobus tuberculatus</i></p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Sawpits, snigging track, millsite, Little Mt Peel Boundary fence remains.</p> <p>Visitor Use: High tramping, bush walks, picnics</p> <p>Facilities: 1 forty six site camping ground, toilets, shelters, water supply</p> <p>Other Features: Scattered mountain cedar; notable for wide variety of ferns present; <i>Notospartum torulosum</i> (IUCN-R) found just outside area.</p>	
THREATS To Ecological Features: Animal Threats: Goats, possums, fitches, cats, deer and pigs Plant Threats: Low levels (gorse, sycamore), old man's beard present. Other: Moderate fire risk.	
MANAGEMENT Issues: Rationalise boundaries. Manage for public recreation and interpretation, goat control planned for 1994/95, old man's beard control; contract out campground management. Statutory Acknowledgement: Rangitata River – implementation of Ng i Tahu Settlement Priorities: Recreational management, animal control, weed control and advocacy. Landscape assessment.	

LAND UNIT: J37007	NAME: FOUR PEAKS RANGE TOPS (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2351427 5690375 Legal Description : SEC 31 SO 16881 Survey Blk & District : X, XIV FOUR PEAKS	CMS Map # : 11 Area : 370.2880 Ecological District : Oari Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Steep ridges and upper catchments centred on Fiery Peak on S end of Four Peaks Range. Montaine tussock grassland and mixed shrubland. Little data</p> <p>Location: In foothills, NW of Geraldine</p> <p>Main Ecosystems: Tussock grassland and mixed shrubland of unknown composition</p> <p>Main Plant Species: Broad-leaved snow tussock, red tussock, narrow leaved snow tussock (S slopes), slim snow tussock (high slopes), various alpine plant species.</p> <p>Notable Fauna: No data</p> <p>Threatened Species: No data</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Hunting (minor)</p> <p>Facilities: Nil</p> <p>Other Features: <i>Celmisia allani</i> occurs here beyond its normal distribution range. <i>Aciphlla scott-thompsonii</i> - uncommon.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock?</p> <p>Plant Threats: No data</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Not known, assess conditions and values</p> <p>Priorities: Ecological assessment, fence maintenance, road maintenance on R.O.W.</p>	

LAND UNIT: J37039	NAME: ORARI GORGE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2363990 5690062 Legal Description : RES 3811 Survey Blk & District : XII FOUR PEAKS V ORARI	CMS Map # : 11 Area : 79.9254 ha Ecological District : Orari Area Office : Raukapuka District Council : Timaru
DESCRIPTION <u>General:</u> Lowland 2nd growth mixed-broadleaved forest on rolling hills at edge of Plains. <u>Location:</u> Plains-foothills boundary NW of Geraldine, South Canterbury. <u>Main Ecosystems:</u> K nuka-dominant mixed broadleaved forest; m hoe-dominant mixed broadleaved forest; small area of kahikatea (pole) damp forest. <u>Main Plant Species:</u> K nuka, broadleaf/k puka, p k k , kahikatea (abundant), fuchsia/k tukutuku, k h h , m pou; m hoe. <u>Notable Fauna:</u> Kerer , tomtit/miromiro. <u>Threatened Species:</u> Kerer (B). <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Logging, old bush tramway formation <u>Visitor Use:</u> Low (camp 50, track 1000) <u>Facilities:</u> 1 twelve site camping ground, toilet facility/water supply <u>Other Features:</u> Has mistletoe <i>Ileostylis micranthus</i> (IUCN-L).	
THREATS To Ecological Features: <u>Animal Threats:</u> No major problems. <u>Plant Threats:</u> Slight weed problem; gorse, blackberry and barberry. Other: High risk of burning.	
MANAGEMENT Issues: Provide more facilities (tracks) to facilitate visitor use; maintain existing fences. Priorities: Animal control, recreation management and advocacy.	

LAND UNIT: J37041 (also includes J37047, J37051, J37061)	NAME: WAIHI GORGE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2359238 5688971 Legal Description : RES 3813 RES 3812 LOT 1 DP 26658 LOT 1 DP 14325 Survey Blk & District : XI, XV, XVI FOUR PEAKS	CMS Map # : 11 Area : 61.8434 ha Ecological District : Orari Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Several riparian remnants of lowland mixed-broadleaved forest on river terraces and steep hillslopes. Surrounded in hill pastures and scrub.</p> <p>Location: At Plains foothills boundary, NW of Geraldine, South Canterbury.</p> <p>Main Ecosystems: Mixed-broadleaved forest; fuchsia/k tukutuku scrubland; small stands of podocarp terrace forest.</p> <p>Main Plant Species: Broadleaf/k puka , lancewood/horoeka, mountain fivefinger, k whai, fuchsia/k tukutuku, prickly shield fern.</p> <p>Notable Fauna: Kerer , tomtit/miromiro.</p> <p>Threatened Species: Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Bush walks, hunting, camping, picnics</p> <p>Facilities: Camp ground/picnic area - water supply, 2 double unit toilets</p> <p>Other Features: Kahikatea, mata and lowland t tara, with extensive regeneration; <i>Ileostylis micranthus</i> (IUCN-L), a mistletoe; small stand of black (mountain?) beech/tawai.</p>	
THREATS To Ecological Features: Animal Threats: Moderate damage from stock. Plant Threats: Sycamore only substantial weed. Other: Moderate fire risk.	
MANAGEMENT Issues: Complete a stock-proof fence around reserve; remove sycamores. Priorities: Weed and animal control and recreation management.	

LAND UNIT: J37099	NAME: BLANDSWOOD M.STRIP
ADMINISTRATION Legal Status : Marginal Strip Reserve Classified ? : Grid Reference : 2366863 5697650 Legal Description : ADJ RS 40329 ADJ RUN 4A 4B Survey Blk & District : III ORARI III ORARI	CMS Map # : 11 Area : 44.2000 ha Ecological District : Orari Area Office : Raukapuka District Council : Ashburton District Council
DESCRIPTION <u>General:</u> Riparian bush margin situated on steep faces of the true left of the Scotsburn Stream. <u>Location:</u> Adjoining the reverse slopes of the southern section of Peel Forest Scenic Reserve, near Geraldine township. <u>Main Ecosystems:</u> Podocarp - broadleaved riparian forest; shrubland; waterway. <u>Main Plant Species:</u> Mata , t tara, kahikatea, ribbonwood/houhi, Coprosma spp/karam , five finger, k nuka, m nuka, r t . <u>Notable Fauna:</u> Whio/k whiowhio (blue duck), kerer , rifleman/t tipounamu. <u>Threatened Species:</u> Whio/k whiowhio (B), kerer (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> No data <u>Facilities:</u> Nil <u>Other Features:</u> No data.	
THREATS To Ecological Features: <u>Animal Threats:</u> Pigs, goats. <u>Plant Threats:</u> No data. Other: No data (possible afforestation application on adjoining land).	
MANAGEMENT Issues: Better assessment of ecological values and threats. Priorities: Ecological assessment, threat assessment, animal control and monitoring.	

LAND UNIT: J38008	NAME: TALBOT FOREST SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2369000 5678800 Legal Description : SEC 356 SO 15307 SEC 355 Survey Blk & District : V GERALDINE V GERALDINE	CMS Map # : 11 Area : 26.1628 ha Ecological District : Geraldine Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Lowland podocarp broadleaved forest remnant fringed by exotic and modified vegetation on south facing rolling downlands.</p> <p>Location: Rolling downlands overlooking Geraldine township.</p> <p>Main Ecosystems: Emergent podocarps over m hoe broadleaved forest in core area; 2nd growth mixed m hoe broadleaved forest; fringe of exotic trees and weeds.</p> <p>Main Plant Species: Mata , kahikatea, t tara, p k k , lemonwood/tarata, m hoe, narrow leaved lacebark, p huehue vine.</p> <p>Notable Fauna: Common bush birds including kererū and brown creeper, PekaPeka/ New Zealand long-tailed bat, <i>Chalinplobus tuberculatus</i></p> <p>Threatened Species: Kererū (B), a mistletoe <i>Heostylus micranthus</i> (IUCN-L). PekaPeka/New Zealand long-tailed bat, <i>Chalinplobus tuberculatus</i></p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Saw-milling</p> <p>Visitor Use: Bush walks, picnics</p> <p>Facilities: 4 unit toilet, mown picnic areas, walking tracks</p> <p>Other Features: Notable to have tall forest remnant beside an urban area.</p>	
THREATS To Ecological Features: <p>Animal Threats: Minor stock damage; domestic animals from urban area; possums; rock pigeons considered a pest in past.</p> <p>Plant Threats: Old man's beard; forest fringe dominated by exotics including woody adventives. Many weed species present. Blackberry dominant. Broom and native pohuehue also widespread.</p> <p>Other: Visitor use damage, occasional vandalism.</p>	
MANAGEMENT <p>Issues: Restoration in progress, maintenance of indigenous forest component; assess pest control needs.</p> <p>Priorities: Weed control, exotic plant removal, threatened species monitoring, animal threat assessment, recreation management, botanical condition and threat assessment and restoration of habitat.</p>	

LAND UNIT: J38053	NAME: PIONEER PARK (GERALDINE FOREST).
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2345777 5671374 Legal Description : PT RS 40886 Survey Blk & District : IX OPIHI	CMS Map # : 11 Area : 120.0000 ha Ecological District : Geraldine Area Office : Raukapuka District Council : Mackenzie
DESCRIPTION <p>General: Forested hillslopes adjacent to pine forest and developed farmland.</p> <p>Location: Middle Valley - Raincliff locality in rolling hill country SE of Fairlie, South Canterbury.</p> <p>Main Ecosystems: Lowland forest (modified)</p> <p>Main Plant Species: T tara, kahikatea, wineberry, broadleaf/k puka , Coprosma spp/karam .</p> <p>Notable Fauna: Kerer . No details.</p> <p>Threatened Species: Kerer (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Burke's hut site, arboretum, pastoral relics and sites (cattle yards and entrance gates).</p> <p>Visitor Use: (High) picnics, bush walks</p> <p>Facilities: toilets, tracks, water supply</p> <p>Other Features: Strong historical links to pastoral South Canterbury.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Wallaby, possum, pigs and cattle.</p> <p>Plant Threats: Gorse, broom, exotic trees.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Assess ecological values.</p> <p>Priorities: Ecological assessment, animal control and recreation management.</p>	

LAND UNIT: J38115	NAME: RAINCLIFF HISTORIC RESERVE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? : Y Grid Reference : 2349484 5669805 Legal Description : RES 4835 Survey Blk & District : IX OPIHI	CMS Map # : 11 Area : 2.0613 ha Ecological District : Geraldine Area Office : Raukapuka District Council : Mackenzie
DESCRIPTION <p>General: Pre European M ori rock drawings in limestone rock shelters. Limestone outcrops and boulders are part of a line of 5-15m high bluffs.</p> <p>Location: Raincliff locality, inland South Canterbury, 33km NW of Timaru.</p> <p>Main Ecosystems: Native shrub and tree plantings over formerly pasture and weedy areas; remnant native shrubs, herbs and ferns around bluffs.</p> <p>Main Plant Species: Introduced plants and planted native trees, pohuehue vine, porcupine scrub, <i>Coprosma propinqua</i>, matagouri; ti, <i>Hebe</i> sp., broadleaf/k puka .</p> <p>Notable Fauna: None.</p> <p>Threatened Species: None.</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Rock art and M ori shelter sites. Of high significance to Ng i Tahu. Recorded archaeological site J38/54-57</p> <p>Visitor Use: Minor</p> <p>Facilities: Nil</p> <p>Other Features: .</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:</p> <p>Plant Threats: Numerous species present. Ongoing control necessary.</p> <p>Other: Vandalism, loss through natural processes of lichens growth and flaking.</p>	
MANAGEMENT <p>Issues: Maintenance of historic values and revegetation plantings.</p> <p>Preparation of restoration plan?</p> <p>Priorities: Prevent vandalism of rock art and shelter sites. Maintain and enhance indigenous plantings.</p>	

LAND UNIT: J38124	NAME: GERMAN CREEK WILDLIFE MANAGEMENT RESERVE.
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :Y Grid Reference : 2367395 5658519 Legal Description : RS 41024 Survey Blk & District : V AROWHENUA	CMS Map # : 11 Area : 4.0600 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Poned area of flowing water of German Creek, tributary of the Opihi River. 0.85ha of deep to shallow slow-flowing water.</p> <p>Location: South side Opihi River, 16km NW of Timaru.</p> <p>Main Ecosystems: Deep to shallow open water with emergent and now emergent aquatic margin of introduced grass, shrubs and willow forestland plants.</p> <p>Main Plant Species: <i>Elodea canadensis</i> (introduced waterweed), willow, Carex spp., blackberry, gorse, broom, poplar, alder, introduced grasses.</p> <p>Notable Fauna: Mallard, NZ shoveler/kuruwhengu, grey teal/tete.</p> <p>Threatened Species: Australasian bittern (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: duck shooters</p> <p>Facilities: Nil</p> <p>Other Features: Opihi River walkway passes through reserve. Gamebird hunting.</p>	
THREATS To Ecological Features: <p>Animal Threats: Sheep grazing.</p> <p>Plant Threats: Willow encroachment, old man's beard, gorse, broom.</p> <p>Other: Floods and siltation. Further modifications for flood control purposes.</p>	
MANAGEMENT <p>Issues: Willow control, fencing, issue of hunting permits.</p> <p>Priorities: Willow control and monitoring</p>	

LAND UNIT: J38133	NAME: MONA VALE HISTORIC RESERVE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? : Y Grid Reference : 2339468 5654909 Legal Description : RES 5087 SO 1524 Survey Blk & District : VII OPAWA	CMS Map # : 11 Area : 1.9604 ha Ecological District : Waimate Area Office : Raukapuka District Council : Mackenzie
DESCRIPTION <u>General:</u> Limestone school building built 1912-1913. <u>Location:</u> NW of Cave, South Canterbury, 32km NW of Timaru. <u>Main Ecosystems:</u> Surrounded by introduced grassland and trees. <u>Main Plant Species:</u> Variety of grasses, exotic trees. <u>Notable Fauna:</u> Nil <u>Threatened Species:</u> Nil <u>Landscape:</u> Nil <u>Historic/Cultural:</u> Monavale School built in 1911 of limestone. <u>Visitor Use:</u> Low, local use for gatherings. <u>Facilities:</u> School building, have power water, separate toilet, picnic sites. <u>Other Features:</u>	
THREATS To Ecological Features: <u>Animal Threats:</u> Nil <u>Plant Threats:</u> Broom, blackberry, gorse, cottonwoods Other:	
MANAGEMENT Issues: Maintain historic building. Assess management responsibilities and needs. Priorities: - Determine suitability for vesting in District Council. - Develop Conservation Plan - Maintain building, grounds and site.	

LAND UNIT: J38151	NAME: TASMAN SMITH SCENIC RESERVE.
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2336500 5650500 Legal Description : RES 4308 SEC 1 SO 18002 Survey Blk & District : XI OPAWA XI OPAWA	CMS Map # : 11 Area : 31.4382 ha Ecological District : Hunters Area Office : Raukapuka District Council : Mackenzie
DESCRIPTION <u>General:</u> Upper-lowland mixed-broadleaved forest in steep foothills gully, and tussockland and pasture on moderate hillslopes. <u>Location:</u> E side of Hunter Hills, WNW of Timaru. <u>Main Ecosystems:</u> Mixed-broadleaved forest; pasture with silver tussock/w and scattered shrubs; snow tussockland; small patch of silver beech/tawai forest. <u>Main Plant Species:</u> Broadleaf/k puka , ribbonwood, fuchsia/k tukutuku, lemonwood/tarata, lancewood/horoeka, <i>Coprosma</i> spp.karam <i>Chionochloa</i> sp. <u>Notable Fauna:</u> Kerer , gecko sp., rifleman/t tipounamu, tomtit/miromiro. <u>Threatened Species:</u> Kerer (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> Shooting <u>Facilities:</u> Nil <u>Other Features:</u> Silver beech/tawai - unusual and a very uncommon stand in Canterbury; <i>Aciphylla scott-thompsonii</i> - uncommon in Canterbury reserves.	
THREATS To Ecological Features: <u>Animal Threats:</u> Stock; wallabies. <u>Plant Threats:</u> Minor. Other: Some risk of burning.	
MANAGEMENT Issues: Wild animal control; fire control. Priorities: Animal control and ecological assessment.	

LAND UNIT: J39003	NAME: WASHDYKE LAGOON WILDLIFE REFUGE
ADMINISTRATION Legal Status : RAWS Reserve Classified ? :N Grid Reference : 2346754 5616058 Legal Description : PT RES 2593 PT RES 2593 RES 4582 Survey Blk & District : XI AROWHENUA XI AROWHENUA IX AROWHENUA	CMS Map # : 14 Area : 254.8318 ha Ecological District : Hunters Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Coastal lagoon behind low eroding spit, S end of Canterbury Bight. Valuable wader and waterfowl habitat on open water and salt marsh flats. Patches of saltmarsh ribbonwood and other typical coastal plants.</p> <p>Location: Washdyke at S end of Canterbury Plains margin of Timaru.</p> <p>Main Ecosystems: Shingle spit dominated by introduced plants; brackish shallow lagoon, saltmarsh turf and rushlands; mosaic of exotic weedy shrubs, pasture and saltmarsh ribbonwood.</p> <p>Main Plant Species: <i>Selliera radicans</i>, <i>Samolus repens</i>, <i>Plantago coronopus</i>, <i>Salicornia australis</i>; wire rush (<i>Leptospermum simulis</i>), three square (<i>Schoenoplectus pungens</i>); gorse, shrub lupin, saltmarsh ribbonwood (<i>Plagianthus divaricatus</i>)</p> <p>Notable Fauna: See list below. Migratory waders and uncommon vagrant water birds regularly recorded. Whitebait/ naka.</p> <p>Threatened Species: Banded dotterel/pohowera (C), variable oystercatcher (C), wrybill/ngutupare (B), black stilt/kak (A); several species threatened in NZ but secure overseas, ie. white heron/k tuku, Australasian bittern, Caspian tern/tara.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Ng i Tahu reserve, seaward of reserve and mahika kai.</p> <p>Visitor Use: Moderate - beach access and fishermen in whitebait/ naka season, bird watching</p> <p>Facilities: Nil</p> <p>Other Features: Coastal-marine area adjacent to lagoon is an ASCV (Area of Significant Conservation Value) because it buffers the lagoon, SSWI of high habitat value; R hui area for traditional Ng i Tahu use, sanctuary and wildlife refuge status.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Feral and domestic cats.</p> <p>Plant Threats: Shrubby weeds including gorse, minor influence on lagoon ecosystem.</p> <p>Other: Water pollution from industrial area, via Washdyke Creek; accelerated coastal erosion, urban and light industrial development near margins - threats unknown.</p>	
MANAGEMENT <p>Issues: Water quality and quantity suitable for habitat maintenance. Wildlife habitat and condition. Ng i Tahu values need reassessment and recognition. Consider value and links to urban community.</p> <p>Priorities: Advocate water issues, habitat monitoring and restoration, ecological assessment, threat evaluation, animal control and interpretation.</p>	

LAND UNIT: J39084	NAME: MATATA SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2339673 5640635 Legal Description : RS 40144 Survey Blk & District : III,IV NIMROD	CMS Map # : 14 Area : 103.0304 ha Ecological District : Waimate Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Mixed broadleaved lowland forest remnant on gorge and hillslopes, with precipitous greywacke outcrop.</p> <p>Location: Major gully on NE flank of Hunter Hills, W of Timaru.</p> <p>Main Ecosystems: M hoe and broadleaf/k puka dominated mixed broadleaved forest with scattered podocarps; mixed broadleaved forest; Coprosma shrubland; mixed tussock grassland.</p> <p>Main Plant Species: M hoe, broadleaf/k puka, ribbonwood, narrow-leaved lacebark, fuchsia/k tukutuku, k whai, <i>Coprosma</i> spp., <i>Chionochloa rigida</i>, <i>Festuca novae-zelandiae</i>, <i>Poa cita</i>/w ..</p> <p>Notable Fauna: Kerer , NZ falcon/k re rea, brown creeper, tomtit/miromiro, rifleman/t tipounamu.</p> <p>Threatened Species: Kerer (B), k re rea (B), <i>Hebe pareora</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Hunting</p> <p>Facilities: Nil</p> <p>Other Features: Distinctive fault scarp.</p>	
THREATS To Ecological Features: <p>Animal Threats:Damage by rabbits, stock; wallabies.</p> <p>Plant Threats: Minor gorse and elderberry (checked annually)</p> <p>Other: Unknown.</p>	
MANAGEMENT <p>Issues: Wallaby control, fence maintenance, assessment of present weed threat, clarify public access situation.</p> <p>Priorities: Wallaby control, fencing, access and weed control.</p>	

LAND UNIT: J39087	NAME: MT NIMROD SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2340003 5638696 Legal Description : PT RES 3242 SO 15163 Survey Blk & District : III,IV,VII,VIII NIMROD	CMS Map # : 14 Area : 83.5250 ha Ecological District : Waimate Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Mixed-broadleaved lowland forest on steep incised gullies running into tussock grassland above.</p> <p>Location: Lower slopes of gully on E flank of Hunter Hills, SW of Timaru.</p> <p>Main Ecosystems: M hoe-broadleaf mixed broadleaved forest; ribbonwood/m hoe mixed broadleaved forest on steep colluvial slopes; mixed shrublands; 2nd growth broadleaved terrace forests with scattered podocarps; native tussock and pasture grassland.</p> <p>Main Plant Species: M hoe, broadleaf/k puka, k whai (with high scenic value), ribbonwood, fuchsia/k tukutuku; hard, silver/w , blue and snow tussocks (<i>Chionochoa rigida</i>)</p> <p>Notable Fauna: Kerer and common bush birds (including tomtit/miromiro, brown creeper, rifleman/t tipouamu)</p> <p>Threatened Species: Kerer (B); <i>Brachyglottis sciadophylla</i> (IUCN-L), 2 mistletoes, <i>Ileostylus micranthus</i> (IUCN-L) and <i>Tupeia antarctica</i> (IUCN-R), <i>Hebe parea</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Moderate hunting, bush walks, tramping, camping, picnics</p> <p>Facilities: Camping area, toilet, bridge</p> <p>Other Features: Distinctive fault scarp along S edge of forest.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Sheep and wallaby prevent regeneration (1972 data)</p> <p>Plant Threats: Minor gorse.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Ensure reserve is stock proof, clarify access (if not already done). Restoration in progress 1994/95.</p> <p>Priorities: Animal control, recreational management, stock proof fencing.</p>	

LAND UNIT: J39102	NAME: OTAIO SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2344779 5629347 Legal Description : RS 41538 Survey Blk & District : XII NIMROD	CMS Map # : 14 Area : 12.3775 ha Ecological District : Waimate Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Lowland broadleaved forest remnant on steep shaded gorge face and hills.</p> <p>Location: Lower foothills gorge, E flank of Hunter Hills, SW of Timaru.</p> <p>Main Ecosystems: M hoe-fuchsia/k tukutuku-mixed broadleaf/k puka forest with scattered tara and mata ; stunted mixed hardwood scrub forest; tussock grassland.</p> <p>Main Plant Species: M hoe, fuchsia/k tukutuku, ribbonwood, k whai, broadleaf/k puka, <i>Coprosma</i> spp/karam .</p> <p>Notable Fauna: Blue duck/k whiowhio recorded in adjacent Otaio River, kererū, brown creeper, tomtit/miromiro, morepork/ruru koukou, black shag/k au</p> <p>Threatened Species: Kererū (B), a mistletoe <i>Ileostylus micranthus</i> (IUCN-L), <i>Hebe pareora</i> (IUCN-L)</p> <p>Landscape:</p> <p>Historic/Cultural: Site of early station hydropower</p> <p>Visitor Use: Camping, picnics</p> <p>Facilities: toilet facility, water supply</p> <p>Other Features:</p>	
THREATS To Ecological Features: Animal Threats: Sheep, wallabies. Plant Threats: Minor shrub weeds, wilding pine, fir, (gorse, flowering currant, gooseberry, broom, blackberry) Other:	
MANAGEMENT Issues: Stock control to encourage regeneration; restoration work underway using locally sources k nuka, <i>Coprosma</i> spp/karam ., k whai, k h h . Priorities: Animal control, recreation management and restoration of habitats.	

LAND UNIT: J39115	NAME: JEANIE COLLIER GRAVE SITE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? :Y Grid Reference : 2355810 5623998 Legal Description : LOT 1 DP 45820 Survey Blk & District : XV OTAIO	CMS Map # : 14 Area : .0377 ha Ecological District : Makikihi Area Office : Raukapuka District Council : Waimate
DESCRIPTION <u>General:</u> Grave site and memorial to the first woman to take up a pastoral run in South Canterbury. Historic reserve. <u>Location:</u> Teschemaker Valley district, W of Otaio, South Canterbury downlands. <u>Main Ecosystems:</u> <u>Main Plant Species:</u> 4 gum trees and introduced grasses. <u>Notable Fauna:</u> Nil. <u>Threatened Species:</u> Nil <u>Landscape:</u> Nil <u>Historic/Cultural:</u> Jeanie Collier first woman to take up a pastoral run in Canterbury (South Island) Otaio Run, Feb. 1855. <u>Visitor Use:</u> Nil <u>Facilities:</u> Nil <u>Other Features:</u>	
THREATS To Ecological Features: <u>Animal Threats:</u> Nil <u>Plant Threats:</u> Scrub, weeds, gorse, broom Other:	
MANAGEMENT Issues: Management status Priorities: Investigate appropriate control/management status	

LAND UNIT: J39131	NAME: NORMANBY WETLAND CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2370663 5637923 Legal Description : RES 2711 Survey Blk & District : II PATITI	CMS Map # : 14 Area : 2.9390 ha Ecological District : Makikihi Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Small coastal lagoon at mouth of unnamed stream wetland water area increased from 2.0ha up to 5.0ha. NZ Railways have raised outfall culvert pipe. Part conservation land, part freehold. N.Barton.</p> <p>Location: 8km south of Timaru, Normanby settlement.</p> <p>Main Ecosystems: Shallow freshwater lagoon; succulent herb swamp; mudflat; exotic grass margins.</p> <p>Main Plant Species: Flats glasswort, succulent herb <i>Atriplex prostrata</i>, margins creeping bent sword, bulboschenous, <i>Scirpus caldwellii</i>, <i>Leptinella coronopifolia</i>, native grass <i>Puccinellia stricta</i>; <i>Mimulus repens</i>; <i>Schoenoplectus pungens</i>.</p> <p>Notable Fauna: Migratory, wading and coastal birds and waterfowl. Royal spoonbill, white heron/k tuku.</p> <p>Threatened Species: Banded dotterel/pohowera (C), white heron/k tuku (O), royal spoonbill (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: No data</p> <p>Facilities: Nil</p> <p>Other Features: Wetland of local significance. Recent increase in wetland area means wetland is now of high value for waders and waterfowl. Game bird hunting on adjacent freehold and part of the wetland.</p>	
THREATS To Ecological Features: Animal Threats: Grazing, agricultural pollution. Plant Threats: Lupin, gorse, broom. Other:	
MANAGEMENT Issues: Possible acquisition of freehold wetland area, fencing. Determine ideal legal status. Enhance wetland habitat for waterfowl and waders. Priorities: Classify reserve	

LAND UNIT: J39134	NAME: HUNTERS HILLS CONSERVATION AREA (WAIHAO RIVER NORTH BRANCH)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2333475 5635323 Legal Description : RS 42257 Survey Blk & District : II,VI,VII NIMROD	CMS Map # : 14 Area : 1790.0000 ha Ecological District : Hunters Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Large remote area of dissected montane ridges and basins with cover of snow tussockland, scattered shrubland and tussock grassland.</p> <p>Location: Part of Upper catchment of N Waihao River, S of Mt Nimrod/Kaumira, extending to crest of Hunters Hills in places. Access via ridge toptracks over private land.</p> <p>Main Ecosystems: Snow tussockland merging with tussock grassland at lower altitudes; scattered montane shrublands. No details available.</p> <p>Main Plant Species: Narrow-leaved snow tussock?? No data.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: <i>Helichrysum plumeum</i> (C:IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Former pastoral run country</p> <p>Visitor Use: No data</p> <p>Facilities: Nil</p> <p>Other Features: Limited public access.</p>	
THREATS To Ecological Features: <p>Animal Threats: Wallabies, stock</p> <p>Plant Threats: Wilding pines?</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Wallaby control, wilding control, ecological assessment.</p> <p>Priorities: Wallaby control, ecological assessment, wilding tree control and fencing.</p>	

LAND UNIT: J40001	NAME: STAVELEY LIME KILNS CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Grid Reference : 2381800 5728600 Reserve Classified ? : N/A Legal Description : Section 3, S.O. 18941 Survey Blk & District : VIII ALFORD	CMS Map # : 7 Area : 32.2851 ha Ecological District : Mount Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Two lime kilns situated in riparian strips of beech forest on Reid Stream linking to more extensive beech forest on the gentle hillslope flanking Mount Somers.</p> <p>Location: At the end of Boyds Road, Staveley</p> <p>Main Ecosystems: Almost entirely mountain beech forest; small pockets of broadleaf – fuchsia – putaputaweta forest.</p> <p>Main Plant Species: Mountain beech/tawai, broadleaf/k puka, fuchsia/k tukutuku, putaputaweta, wineberry, <i>Coprosma</i> spp./karam .</p> <p>Notable Fauna: Not known</p> <p>Threatened Species: Not known</p> <p>Landscape: Two_ different types of lime kiln, set in beech forest that traverses slopes of marine near shore and estuarine deposits including cloas and limestones.</p> <p>Historic/Cultural: Two lime kilns, dating from late 1890 (Pot kiln) and 1898 (Langdon kiln). The kilns were constructed to burn limestone for use in the building industry and for agricultural purposes.</p> <p>Visitor Use/Facilities: Track marked to Langdon kiln</p> <p>Other Features: Historic quarry adjacent to Langdon kiln and remains of associated structures for the extraction and burning of limestone.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Sheep and cattle grazing, wasps.</p> <p>Plant Threats: Gorse</p> <p>Other: Vegetation growing in and on the kilns, slumping</p>	
MANAGEMENT <p>Issues: Conservation of the two lime kilns. No interpretation. Fences not stock proof and in places non existent. Recreational use of the Langdon kiln for rock climbing and abseiling.</p> <p>Priorities: Stabilisation, vegetation management and conservation of the two lime kilns (Cochran, 1991). Upgrade foot access to both kilns and provide interpretation at the two kilns. Upgrade fences and provide styles.</p>	

LAND UNIT: J40001	NAME: STUDHOLME MANAGEMENT AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : 2344000 5615000 Grid Reference : Legal Description : RS 41427 Survey Blk & District : VIII WAIHAO	CMS Map # : 14 Area : 200.9630 ha Ecological District : Hunters Area Office : Raukapuka District Council : Waimate
DESCRIPTION <u>General:</u> Tussock grassland with patches of bare ground, flax/harakeke and woody vegetation on steep S to W facing montane basins. <u>Location:</u> Directly below summit of Mt Studholme, Hunters Hills, NW of Waimate. Access via private, non DOC road to upper boundary. <u>Main Ecosystems:</u> Snow tussock-hard tussocklands; mountain flax/wharariki-matagouri shrublands; mixed broadleaved shrubby forest in gullies. <u>Main Plant Species:</u> Narrow-leaved snow tussock (<i>Chionochloa rigida</i>), hard tussock, cotton plant (<i>Celmisia spectabilis</i>), mountain flax/wharakiki, spaniard spp., matagouri, introduced grasses; k whai, broadleaf/k puka, fuchsia/k tukutuku. <u>Notable Fauna:</u> K re rea. <u>Threatened Species:</u> K re rea (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> Nil <u>Visitor Use:</u> Hunting <u>Facilities:</u> Nil <u>Other Features:</u> TV transmitter site.	
THREATS To Ecological Features: <u>Animal Threats:</u> Wallabies, other wild animals?, goats?, stock intrusion? <u>Plant Threats:</u> Minor gorse. Other: Fire	
MANAGEMENT Issues: Animal control, ecological condition assessment. Priorities: Ecological assessment, wild animal control and habitat monitoring.	

LAND UNIT: J40002	NAME: HOOK BUSH
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2348000 5516500 Legal Description : PT RES 3035 PT RS 17921 RS 41039,41038,34510,34858 RS 40539,40540,40541,40542 RS 42130, PT RS 40435 PT RES 3347 RS 19099,30316 RS 36232 LOT 3 DP 7690 Survey Blk & District : V WAIMATE V WAIMATE VIII WAIHAO V WAIMATE VIII WAIHAO V WAIMATE VIII WAIHAO V WAIMATE VIII WAIHAO V WAIMATE VII WAIHAO	CMS Map # : 14 Area : 960.8013 ha Ecological District : Hunters Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Broadleaved hardwood forest with podocarp remnants mainly in the much-branched foothill catchment of Hook River.</p> <p>Location: E of Mt Studholme, on E flank of Hunters Hills, NW of Waimate.</p> <p>Main Ecosystems: M hoe dominated broadleaved forest with scattered podocarps in upper reaches; depleted mixed tussock-scrub-herbfields above fire induced bushline; mature podocarp hardwood forest in lower reaches.</p> <p>Main Plant Species: M hoe, broadleaf/k puka, fivefinger, fuchsia/k tukutuku; mountain t tara (occasional), t tara, mata , kahikatea, hard tussock, mountain flax/wharariki, Aciphylla sp., snow tussock (<i>Chionochloa rigida</i>?), <i>Celmisia spectabilis</i> var. <i>magnifica</i></p> <p>Notable Fauna: Kerer</p> <p>Threatened Species: Kerer (B). No other data.</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Shooting</p> <p>Facilities: Nil</p> <p>Other Features: No data.</p>	
THREATS To Ecological Features: <p>Animal Threats: Goats, wallaby, stock, possums (Goat work? - funded 1994-95)</p> <p>Plant Threats: Not known.</p> <p>Other: Forestry extensive in Southern Hunters Hills - landscape, hydrology and wildings potential issues.</p>	
MANAGEMENT Issues: Animal control, assessment of ecological values. Priorities: Animal control and ecological assessment.	

LAND UNIT: J40003	NAME: GUNNS BUSH
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2348000 5613700 Legal Description : RS 19099,23810,30316 PT RES 3347 RES 4249 Survey Blk & District : V WAIMATE V WAIMATE V WAIMATE	CMS Map # : 14 Area : 156.5879 ha Ecological District : Hunters Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Mixed broadleaved forest in narrow valley and gullies on foothills; DOC land flanked by plantations and modified tussock grassland.</p> <p>Location: Narrow foothills catchment S of Mt Studholme track, E flank of Hunter Hills, NW of Waimate.</p> <p>Main Ecosystems: No known, expected to be similar to the adjacent Hook Bush, with m hoe-dominated broadleaved hardwood forest and scattered podocarps.</p> <p>Main Plant Species: No data. (Formerly SF 4 - NZFS may have written reports on this area)</p> <p>Notable Fauna:</p> <p>Threatened Species: <i>Brachyglottis sciadophylla</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Bush walks</p> <p>Facilities: toilet, tracks</p> <p>Other Features: Picnic site in lower catchment. Walking track established.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock, wallabies and goats likely threats.</p> <p>Plant Threats: Not known.</p> <p>Other: Fires from picnic area.</p>	
MANAGEMENT <p>Issues: Animal control, assessment of values.</p> <p>Priorities: Ecological assessment, animal control.</p>	

LAND UNIT: J40012	NAME: NORTH WAIHAO BUSH
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2345021 5606881 Legal Description : PT RS 32680,32675,40436,33339 PT RS 40437,28643,40435 Survey Blk & District : XII.XVI WAIHAO IX,XIII WAIMATE	CMS Map # : 14 Area : 437.5000 ha Ecological District : Waimate Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Sinuous trenched river system with terrace development adjacent substantial pine forest. Various levels of regenerating bush margin.</p> <p>Location: Southern extension of Waimate Forest occupying both banks of the North Branch of the Waihao River on the lower Hunter Hills.</p> <p>Main Ecosystems: Modified riparian bush along the margins of the Waihao River and various side creeks.</p> <p>Main Plant Species: K nuka, broadleaf/k puka, <i>Coprosma</i> spp/karam ., putaputaweta, matagouri.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Minor hunting, fishing</p> <p>Facilities: 1 hut</p> <p>Other Features: No data.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wallaby, possum.</p> <p>Plant Threats: Scrub weeds, especially gorse and broom.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Information gathering, clarify boundary on ground.</p> <p>Priorities: Ecological assessment, animal control, boundary confirmation.</p>	

LAND UNIT: J40014	NAME: WAINONO LAGOON
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2364000 5610000 Legal Description : RES 3190 Survey Blk & District : XII WAIMATE	CMS Map # : 14 Area : 376.0000 ha Ecological District : Makikihi Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Large shallow coastal lagoon/lake impounded behind low shingle bar. Water is brackish, usually less than 1.5m deep. Very important wildlife habitat for waterfowl, migratory birds, coastal birds and native fish. Popular gamebird hunting area.</p> <p>Location: At coast, NE of Waimate (The adjacent Hook Swamp is not DOC land).</p> <p>Main Ecosystems: Shallow water aquatic weedbeds; saline mudflats; shingle beach ridge; willow, grass and flax/harakeke swamp margins.</p> <p>Main Plant Species: <i>Myriophyllum</i> sp., <i>Lilaeopsis novaezelandiae</i>, <i>Ruppia megacarpa</i>, <i>Ranunculus</i> sp.; spike rush (<i>Eleocharis acuta</i>); saltmarsh ribbonwood, gorse, shrub lupin; flax/harakeke, willow spp., <i>Festuca arundinaceae</i> (introduced grass)</p> <p>Notable Fauna: Nationally important locality for 7 bird species, ie. white heron/k tuku, royal spoonbill, wrybill/ngutupare, black swan, Canada goose, grey teal/tete, pied stilt/poaka. Used by high numbers of wetland birds. Uncommon vagrants recorded.</p> <p>Threatened Species: Wrybill/ngutupare (B), royal spoonbill and white heron/k tuku, Australasian bittern (threatened in NZ but secure overseas).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: mahika kai area</p> <p>Visitor Use: fishing, boating, shooting gamebirds, bird-watching</p> <p>Facilities: Nil</p> <p>Other Features: High SSWI habitat ranking. Wetland of international importance under RAMSAR Wetland Convention. Largest coastal lagoon between Te Waihora/Lake Ellesmere and Karitane. Working Party discussions ongoing.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock - grazing and pugging of northern mudflats.</p> <p>Plant Threats: Gorse and willows.</p> <p>Other: Inappropriate water level control and drainage outside DOC estate; illegal commercial eeling.</p>	
MANAGEMENT <p>Issues: Complete legal arrangements for wildlife management reserve status, maintain ecological and recreational values. Wildlife survey planned.</p> <p>Priorities: Complete reserve classification, establish water level regime, habitats and species monitoring, restoration, advocacy, native fisheries management, enforcement duties and recreation management.</p>	

LAND UNIT: J40033	NAME: CRUICKSHANKS POND WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :N Grid Reference : 2363173 5600805 Legal Description : RS 40871 Survey Blk & District : IV WAITAKI	CMS Map # : 14 Area : 4.0426 ha Ecological District : Glenavy Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: An old meander pattern of Waihao River. Separated from river by stopbank for flood control. Source is drainage water seepage channelled from adjacent land. Rest of reserve, swampy willow covered ground.</p> <p>Location: North bank Waihao River, 10km SE of Waimate.</p> <p>Main Ecosystems: Shallow freshwater pond with emergent and non-emergent plants; willow-dominated swampland; weedy exotic pasture.</p> <p>Main Plant Species: Crack willow <i>Salix fragilis</i>, <i>Phormium tenax</i>, <i>Juncus gregiflorus</i>, raup <i>Typha muelleri</i>, <i>Carex coriacea</i>, <i>Callitriche stagnalis</i>, <i>Carex secta</i>, <i>Mimulus guttatus</i>, <i>Juncus articulatus</i>.</p> <p>Notable Fauna: Breeding and moulting area for Mallard and NZ shoveler ducks/kuruwhengu/kuruwehngi. Canterbury mudfish/k waro.</p> <p>Threatened Species: Australasian brown bittern (O), marsh crake (?), Canterbury mudfish/k waro (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Nil</p> <p>Visitor Use: Gamebird hunting</p> <p>Facilities: Nil</p> <p>Other Features: Gamebird hunting.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Grazing.</p> <p>Plant Threats: Willow and raup encroachment, shading out wetland plants. Broom, gorse.</p> <p>Other: Farm infringement and cropping.</p>	
MANAGEMENT <p>Issues: Control willows. Fencing required. Resolve tenure dispute with neighbour. Maintenance of open water areas.</p> <p>Priorities: Resolve tenure dispute, control willows, fencing signs, maintain open water areas.</p>	

LAND UNIT: J40036	NAME: WAIHAO BOX WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :N Grid Reference : 2365152 5604691 Legal Description : RS 40457 Survey Blk & District : XVI WAIMATE IV WAITAKI	CMS Map # : 14 Area : 36.0960 ha Ecological District : Glenavy Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Sand/shingle beach ridge running for 3.5km parallel to Waihao River, an impounded brackish stream wetland. Roosting area for seabirds and waterfowl. Controlled outlet. Gamebird hunting, whitebaiting and trout fishing.</p> <p>Location: S of Wainono Lagoon, E of Waimate. Studholme-Willowbridge Coastal Strip.</p> <p>Main Ecosystems: Sparsely vegetated beach ridge; wetland margins with reed and rush beds. Western boundary is to the middle line of river (dead arm).</p> <p>Main Plant Species: Coastal association of scrub and grass species. Raup , flax/harakeke.</p> <p>Notable Fauna: Waterbirds and whitebait/inaka. Whitebait/inaka spawning habitat.</p> <p>Threatened Species: White heron/k tuku (O), bittern (O), banded dotterel/pohowera (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Waihao Box Structure built 1910 is registered as category 2 historic site (NZHPT).</p> <p>Visitor Use: Fishing, boating, whitebaiting, game bird hunting</p> <p>Facilities: Nil</p> <p>Other Features: SSWI of moderate value; part of an unusual coastal landform - a very extended narrow lagoon.</p>	
THREATS To Ecological Features: <p>Animal Threats: Nil</p> <p>Plant Threats: Gorse.</p> <p>Other: Coastal erosion; agricultural pollution and urban pollution via Sir Charles Creek.</p>	
MANAGEMENT <p>Issues: Protection of the natural state of this barrier beach.</p> <p>Priorities: Habitat protection and monitoring, enforcement duties for eel and whitebait, advocacy with other authorities.</p>	

LAND UNIT: J40004	NAME: KELCEYS BUSH
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2348500 5610500 Legal Description : PT RS 15659,29896,30046,30047 PT RS 31214,31249,32496,32523 PT RS 32871 LOTS 1,2,3 DP 9222 Survey Blk & District : IX WAIMATE IX WAIMATE IX WAIMATE IX WAIMATE	CMS Map # : 14 Area : 117.2323 ha Ecological District : Hunters Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Part of mixed broadleaved lowland forest remnant along Waimate Creek, in lower foothills. Flanked in upper catchment by plantation forestry.</p> <p>Location: Southern end of Hunter Hills, C.7km NW of Waimate.</p> <p>Main Ecosystems: No data, likely to be m hoe dominated broadleaved hardwood forest with remnant podocarps in valley floor and alluvial terraces, probably logged-over.</p> <p>Main Plant Species: No data.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: Ileostylus micranthus (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Picnics</p> <p>Facilities: Toilets, short track</p> <p>Other Features: No data.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wallaby, stock, goats.</p> <p>Plant Threats:</p> <p>Other: Unknown impacts from forestry.</p>	
MANAGEMENT <p>Issues: Assess values and threats.</p> <p>Priorities: Ecological assessment and animal control advocacy.</p>	

LAND UNIT: J40092 (also includes J40091, J40093, J40094)	NAME: NORTH WAIHAO RIVER MARGINAL STRIPS.
ADMINISTRATION Legal Status : Marginal Strip Reserve Classified ? : Grid Reference : 2343182 5611632 Legal Description : ADJ RS 40435 ADJ RS 40433 ADJ RS 40436 ADJ RS 40437 Survey Blk & District : XII XVI WAIHAO	CMS Map # : 14 Area : 32.4000 ha Ecological District : Hakataramea Area Office : Raukapuka District Council : Waimate
DESCRIPTION <p>General: Marginal strips on both sides of North Waihao River adjoining stewardship area and extending into adjoining run land.</p> <p>Location: Both banks of Waihao River, South Canterbury, within land enclosed by Waimate Forest.</p> <p>Main Ecosystems: Mixed broadleaved riparian forest and shrublands - containing both exotic and native species. Lands in transition from past disturbance.</p> <p>Main Plant Species: K nuka, <i>Coprosma</i> spp., putaputaweta, fuchsia/k tukutuku, k whai, broadleaf/k puka, woody shrub weeds, matagouri.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Fishing</p> <p>Facilities: Nil</p> <p>Other Features: No data.</p>	
THREATS To Ecological Features: Animal Threats: Stock, wallaby. Plant Threats: Varying areas of gorse and blackberry. Other: No data.	
MANAGEMENT Issues: Data collection. Confirm boundary area. Priorities: Ecological assessment, animal control, boundary confirmation.	

LAND UNIT: K34011	NAME: WAIMAKARIRI RIVERBED CONSERVATION AREA.
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2397814 5797827 Legal Description : PT RES 403 Survey Blk & District : XIV,XV BEALEY	CMS Map # : 3 Area : 257.7847 ha Ecological District : Arthur's Pass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <u>General:</u> Broad tract of open braided riverbed extending from bank to bank adjoining Arthurs Pass National Park. <u>Location:</u> Downstream from confluence of Bealey and Waimakariri Rivers, E of SH73 Waimakariri Bridge near Bealey settlement. <u>Main Ecosystems:</u> Sparsely vegetated braided riverbed; semi-stable riverbed islands and low terraces dominated by introduced plants. <u>Main Plant Species:</u> <i>Raoulia</i> spp, <i>Epilobium</i> spp., Russell lupin; browntop, Spanish broom, willow and matagouri common on stable sites along banks. <u>Notable Fauna:</u> No site specific data. Notable species in upper river are wrybill/ngutupare, banded dotterel/pohowera, SI pied oystercatcher, black fronted tern/tarapirohe, black billed gull, black backed gull/karoro, Canada goose and paradise duck/p takitaki common. <u>Threatened Species:</u> Wrybill/ngutupare (B), banded dotterel/pohowera (C), black fronted tern/tarapirohe (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> <u>Visitor Use:</u> <u>Facilities:</u> <u>Other Features:</u> The whole river environment is ranked as an "outstanding" SSWI, noted for its riverbed birds, classic example of a braided river, an ecosystem typical of Canterbury but rare internationally. Has the 2nd largest known population of wrybill/ngutupare.	
THREATS To Ecological Features: <u>Animal Threats:</u> <u>Plant Threats:</u> Russell lupin (major), broom (potential) Other: Gravel extraction	
MANAGEMENT Issues: Weed management (especially lupin and willow). Priorities: Maintain habitat value through monitoring impact of weed invasion.	

LAND UNIT: K33011	NAME: ARTHURS PASS NATIONAL PARK
ADMINISTRATION Legal Status : National Park Reserve Classified ? : Grid Reference : 2405492 5806436 Legal Description : RS 40737, 40738 RS 40736 SEC 24,25 ARTHURS PASS TN SEC 126 SEC 90 SEC 3 SEC 70 ARTHURS PASS TN RES 2461 RES 5047 RS 39801 RS 41171, 41172 RS 41249, SO 15334, RS 41260, SO 15335, RS 41261, SO 15335 SEC 1, SO 18026, SEC 1, SO 18027, SEC 1, SO 18028, SEC 2, SO 18028, SEC 3, SO 18028, SEC 4, SO 18028 Survey Blk & District : VI, XIII, XIV, XV BEALEY I, V ESK III, IV, VI, VII, VIII, X, XI, XII, XIV, XV HAWDON IX, XIII, XIV KATRINE II, III, VI, VII, XI, XII MINCHIN I, II HARPER	CMS Map # : 3 Area : 83479.5361 ha Ecological District : Arthur's Pass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Glacially carved montane and alpine environments with steep sided valleys, cirque basins, shattered greywacke rock outcrops, braided and alpine torrent rivers, permanent ice and snow. Marked climatic and altitude gradients.</p> <p>Location: Straddles Main Divide. Land within Canterbury Conservancy is centred on Upper Waimakariri River catchment.</p> <p>Main Ecosystems: Mountain beech/tawai forest (E of divide) subalpine scrub and shrublands above bushline and in gullies; snow tussockland; alpine herbfields; especially in cirque basins; sparsely vegetated screes, bluffs and ridges; small bogs and tarns, non-forested valley floor, frost prone flats dominated by sedges, grasses and tussock spp. Western forests grade from low altitude podocarp hardwood forests into r t t tara hardwood forest above.</p> <p>Main Plant Species: Mountain beech/tawai, red beech/tawau in E; k mahi, Quintinia, southern r t , Hall's t tara in West. Various species of <i>Chionochloa</i>, karam /<i>Coprosma</i>, <i>Olearia</i>, <i>Hebe</i>, <i>Dracophyllum</i>, <i>Pittosporum</i>, <i>Raoulia</i>, <i>Celmisia</i>, <i>Epilobium</i>, <i>Carex</i>, <i>Polystichum</i>, <i>Blechnum</i>. Western forests grade from low altitude podocarp hardwood forests to r t -t tara forest at higher altitude. - Type locality for <i>Hebe cantervuriensis</i> and <i>Pittosporum anomalum</i> (possibly others) - Uncommon plant species (not ranked) include <i>Myosotic explanata</i>, <i>Myosotis uniflora</i>, <i>Uncinia anicei</i>.</p> <p>Notable Fauna: Robin/kakaruai, tomtit/miromiro, brown creeper, morepork/ruru koukou, pipit/p hoihoi; t and fernbird/m t only W of divide; blue duck/k whiowhio plus species listed below.</p> <p>Threatened Species: <i>Ranunculus godleyanus</i> (IUCN R/listed but not ranked), mistletoes - <i>Alepis flavida</i> (B), <i>Peraxilla tetrapetala</i> (B), <i>Tupeia antarctica</i> (B), <i>Gratiola nana</i> (R/O) Kea (B), k re rea (B), yellowhead/mohua (B), rock wren (C), western weka (B) (Very occasional vagrant), SI k k (B), blue duck/whio/k whiowhio (B), kerer (B), yellow-crowned k k riki (C) and orange fronted k k riki (A), banded dotterel/pohowera (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Numerous historic sites, e.g. coach road, power scheme near Punchbowl Falls, Avalanche Creek water supply, several historic huts such as Bealey Spur hut, grave sites e.g. at Klondyke, Tunnel sighting cairns, mile stones, old Bealey Hotel site. For more details see Dept of conservation. Register of actively managed sites and Historic Protection Plan.</p> <p>Visitor Use:</p> <p>Facilities: 1 thirty six bunk hut, 1 thirty bunk hut, 1 twenty bunk hut, 1 fifteen bunk hut, 3 fourteen bunk huts, 4 six bunk huts, 5 four bunk huts, 8 bivvies, 4 shelters, 1 public shelter. Visitor Centre, tracks, walks, public shelter, 2 education lodges.</p> <p>1 forty site camping ground, 2 thirty site camping grounds, 1 fifteen site camping ground, 1 twelve site camping ground, 2 ten site camping grounds.</p> <p>Other Features: - Numerous geopreservation sites with the Park-Turkey Flat alluvial fan, Arthurs Pass terminal moraine, Falling mountain complex landslide, Harman Pass blockfield, Carrington Peak moraine sequence, Goat Hill inward dipping slopes. - Very wide range of alpine geomorphic features. - Type locality for <i>Hebe cantervuriensis</i> and <i>Pittosporum anomalum</i> (possibly others) - Uncommon plant species (not ranked) include <i>Myosotic explanata</i>, <i>Myosotis uniflora</i>, <i>Uncinia anicei</i>.</p> THREATS To Ecological Features: Animal Threats: Deer, chamois, goat, possum, stock trespass, mustelids and hare. Plant Threats: Scattered infestations of gorse and coltsfoot, Russell lupin in Bealey River, broom, willow Other: Disturbance from visitors at popular sites, risk to kea during kea-human interactions, e.g. at skifield, rubbish dump, roadsides. Disturbance and impact of road construction and skifield operation.	

MANAGEMENT

Issues: Note: Park extends across 2 DOC Conservancies.

Nature conservation, weed and animal pest monitoring and control. Threatened species management, management of kea-human interactions. Impacts of road widening and viaduct construction. Historic site management.

Otehake Wilderness Area status

Priorities: Minimise impacts of State Highway realignments.

Management of threatened species and kea/human interactions.

Weed and animal pest monitoring and control.

Management of visitor use.

Management Plan: Approved 1994, expires 2004. Requires amendments to include recognition of the Cox-Binser Saddle area addition to the Park.

LAND UNIT: K33012	NAME: HAWDON FLATS (ADJACENT ARTHUR'S PASS NATIONAL PARK)
ADMINISTRATION Legal Status : Government Purpose Reserve Reserve Classified ? : Grid Reference : 2410826 5800589 Legal Description : PT RES 3535 Survey Blk & District : XII,XVI BEALEY IX,XIII HAWDON	CMS Map # : 3 Area : 997.5501 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Short tussock grassland on alluvial fans fringed by mountain beech/tawai forest, matagouri shrublands and riverbeds. National Park reserve land on Park boundary.</p> <p>Location: Several blocks, situated around Red Beech stream fan and lower Hawdon River flats, adjacent to Arthurs Pass National Park near Cass.</p> <p>Main Ecosystems: Short tussock grassland; matagouri shrubland; regenerating beech forest fringe.</p> <p>Main Plant Species: Hard tussock, browntop and various introduced grasses, <i>Leucopogon fraseri</i> p t tara, <i>L. colensoi</i>, <i>Poa colensoi</i>, woolly moss, <i>Hypnum cupressiforme</i> (moss), matagouri, mountain beech/tawai.</p> <p>Notable Fauna: Robin/kakaruai frequently seen at Hawdon shelter just outside area boundary.</p> <p>Threatened Species:</p> <p>andscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Early pastoral sites on Riversdale Flats. Not recorded yet.</p> <p>Visitor Use: Tramping</p> <p>Facilities:</p> <p>Other Features: Part of a larger area renowned for its glacial and post glacial landforms. 3 geopreservation sites lie downstream of Hawdon flats.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock.</p> <p>Plant Threats: Broom, gorse, sweet briar (minor), browntop extensive (possibly influenced by grazing regimes), coltsfoot in Red Beech stream.</p> <p>Other: Fire - especially where railway adjoins tussockland.</p>	
MANAGEMENT <p>Issues: Clarify grazing rights and boundaries, fire prevention.</p> <p>Priorities: Access, grazing, record historic sites.</p>	

LAND UNIT: K34001	NAME: CENTRAL SOUTHERN ALPS AND WILBERFORCE CONSERVATION AREA (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? :Y Grid Reference : 2370594 5798821 Legal Description : CROWN LAND Survey Blk & District : VI, VII, VIII DAVIE III, IV, VI MATHIAS I, II, III, V, VI WILBERFORCE	CMS Map # : 3 Area : 20592.5000 ha Ecological District : Browning Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Montane valleys, cirque basins and peaks, some with permanent ice and snow in the headwaters of the Wilberforce River. (Part of the extensive Wilberforce Conservation Land Management Area, a small part of which lies within Raukapuka Area Office.</p> <p>Location: Land between the Rolleston Range and Arthur's Pass National Park (Shaler Range) east and south east of the Main Divide.</p> <p>Main Ecosystems: Snow tussockland; montane hardwood forests and shrublands; mountain beech/tawai forest; scree and bluff sparse herbfields; permanent snow and ice.</p> <p>Main Plant Species: Chionochloa spp; Halls t tara, snow t tara, mountain toatoa, kaikawaka, Dracophyllum traversii; southern r t ; mountain beech/tawai; no details available about scree and bluff species.</p> <p>Notable Fauna: Kea, K re rea, blue duck/k whiowhio, South Island k k , kerer , likely habitat for rock wren.</p> <p>Threatened Species: Blue duck/k whiowhio (B), kea (B), SI k k (B), Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Gold prospecting and roading historic sites (1860s to c.1910), including Browning Pass zig zag track and mining and roading evident in Moa Basin. Urquharts Hut remains from the Ashburton County gold prospecting scheme (1930s)</p> <p>Visitor Use: Tramping, hunting</p> <p>Facilities: 1 six bunk hut</p> <p>Other Features: NZEC rainfall telemetry site on Cabot Ridge</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wild animals, especially deer and thar (exclusion zone for thar control), stock in Wilberforce.</p> <p>Plant Threats:</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Thar control to prevent expansion of feral range.</p> <p>Priorities: Thar control. Protect historic sites</p>	

LAND UNIT: K34002	NAME: CRAIGIEBURN CONSERVATION PARK
ADMINISTRATION Legal Status : Conservation Park Reserve Classified ? :N/A Grid Reference : 2392117 5787076 Legal Description : RES 3288,3289 FS K34/16 PT RES 4694 FS K34/16 PT RS 40555 FS K34/13 R.S. 40556 FS K34/13 RS 40657,40658 RS 41164 PT RS 40755 FS K34/18 R.S. 40756 FS K34/18 RS 41193,41194 RES 3300,3301,3302,3303,3305 FS K34/2 RES.S Survey Blk & District : GRASMERE HARPER GRASMERE HARPER GRASMERE HARPER GRASMERE HARPER BEALEY GRASMERE HARPER DAVIE HARPER W	CMS Map # : 3 Area : 44171.8880 ha Ecological District : Craigieburn Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Montane and alpine ecosystems within greywacke mountain ranges. Extends from near main divide to edge of Castle Hill Basin, a drier region to the east. Mountain beech/tawai forest dominates lower slopes in east. These grade into Kaikawaka-Hall's t tara forest in West. Extensive screes and bluff surround vegetated cirque basins.</p> <p>Location: N end of Craigieburn Range, Birdwood, Rolleston, Black and Grey Ridges, inland Canterbury high country.</p> <p>Main Ecosystems: Mountain beech/tawai forest; Upper mountain slope and cirque basin snow tussockland; Sparse herbfields on screes and bluffs; Subalpine shrublands along scree margins; Mixed Hall's t tara forest; Kaikawaka forest; Seepage, stream and tarn wetlands; Induced short tussock grasslands and shrublands.</p> <p>Main Plant Species: Mountain beech/tawai, <i>Coprosma parviflora</i>, <i>C pseudocuneata</i>, thin bark t tara; <i>Chionochloa macra</i>, <i>C pallens</i>, <i>C crassiuscula</i>, <i>C oreophila</i>, <i>Celmisia spectabilis</i>t kumu, <i>C lyalli</i>, blue tussock, <i>Rytidosperma setaefolium</i>; <i>Dracophyllum pronum</i>, vegetable sheep, <i>Leucogenes grandiceps</i>, <i>Steaellaria roughii</i>, <i>Epilobium pychnostrachyum</i>, <i>Lignocarpa carnosula</i>, <i>Hebe epacridea</i>; <i>Dracophyllum uniflorum</i>, <i>Coprosma alpina</i>, <i>Gaultheria depressa</i> var <i>novae zelandiae</i>, <i>Hebe venustula</i>, mountain toatoa, snow t tara; thin bark t tara, <i>Coprosma parviflora</i>, <i>C pseudocuneata</i>, broadleaf/k puka, ribbonwood/houhi, mountain toatoa; kaikawaka, mountain toatoa, pink pine; <i>Schoenus pauciflorus</i>, <i>Gleichennia dicarpa</i>, <i>Empodisma minus</i>, <i>Carpha alpina</i>, <i>Oreobolus pectinatus</i>, <i>Carex gaudichaudiana</i>, <i>Poa dipsacea</i>, <i>Epilobium macropus</i>; matagouri, fescus tussock, sweet vernal, blue tussock, <i>Dracophyllum acerosum</i>, m nuka.</p> <p>Notable Fauna: Kea, blue duck/whio/k whiowhio, brown creeper, tomtit/miromiro, k re rea, kerer , recent yellowhead/mohua record, likely habitat for rockwren in far west. (Invertebrates have been surveyed). Excellent lizard and scree w t habitat. Little known and threatened long toed skink/mokomoko (<i>Leiopisma "long toes"</i>) (B) recorded close to park near Porter Heights.</p> <p>Threatened Species: Animals: Kea(B), blue duck/whio/k whiowhio (B), yellowhead/mohua (B) (1 record only), k re rea (B), kerer (at Mt Algidus), <i>Leiopisma "long toes"</i> (B). Plants: mistletoes <i>Peraxilla tetrapetala</i> (B), and <i>P. colensoi</i> (B), <i>Alepis flavida</i> (B), <i>Gnaphalium nitidulum</i> (IUCN R/DOC listed).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: 1880s gold mining evidence in Moa Basin and Grave Stream, Upper Wilberforce. Manson's coaching stop (1860s) at Manson Creek near Flock Hill.</p> <p>Visitor Use: Tramping, walking, hunting, skiing, climbing, mountain biking, picnicking, camping</p> <p>Facilities: 1 twenty bunk hut, 4 six bunk huts, 1 five bunk hut, 3 four bunk huts, 1 three bunk hut, 1 one bunk hut, 2 bivvies, 2 shelters. Skifield facilities [Broken Rivr, Craigieburn Valley], skifield, private baches, Education Lodge, Landcare buildings</p> <p>Other Features: - A focal point for high country research. Topics have included revegetation options, soil and snow cover stability, ungulate (especially chamois) biology, alpine forest ecology, introduced tree provenance trials. Currently intense research interest from a wide range of organisations. - The park includes several areas of special ecological significance. Lagoon Saddle Ecological Area has distinctive cushion bog wetlands and red tussock-bog pine shrub tussocklands and a wide range of species including uncommon species; Mt Algidus Ecological Area is noted for its podocarp forest stands which include miro near its altitude limit; Wilberforce forests within the park are noted for the presence of West Coast forest species such as r t , k mahi and kaikawaka. A well documented area. - Extensive areas identified as RAPs include: Harper Valley, Mt Cheeseman, Mt Mason RAPs (parts extend onto Pastoral lease). Note: Western non-forested areas of the park have not been surveyed. - Geopreservation sites within the Park are: Craigieburn/Harper River pinnacles, a badlands formation, Cass-Harper fault system, very distinctive fault traces. - Major education role, Environmental Education Centre (leased). - Private huts (leased). - Licensed roads (authorised ski access).</p>	

THREATS

To Ecological Features:

Animal Threats: Hare browse threatens grassland and herbfield communities. Domestic stock Threaten grasslands in the Harper River. Predation of birds and reptiles by mustelids.

Plant Threats: Broom (minor), wilding pines and hieracium displacing grassland and shrubland communities. Coltsfoot displacing wetland communities.

Other: Fire. Wasps depleting invertebrates and bird food supplies.

MANAGEMENT

Issues: Main issue is recognising role of area in research, while at the same time recognising the principal objectives of a conservation park relate to protection and recreation.

Other issues include: Inappropriate developments, conflicting recreational use or air access developments, wasps disrupting visitor use in dry eastern areas. Weed control especially wildings and coltsfoot, general maintenance of diverse ecological values, kea-human interaction management.

Priorities: Philosophy: Protecting natural, historic and recreational features while acknowledging science research in Craigieburn Conservation Park. Sustained wilding tree control. Provision of recreational and educational opportunities that are consistent with conservation priorities.

Objectives:

- (a) Protection - to protect natural and historic resources.
- (b) Recreation - Facilitate public recreation and enjoyment, subject to maintaining protection goals.
- (c) Research - To permit science reserach in the park.
 - Encourage research aimed at understanding processes controlling long term changes in the dominant ecosystems, including recognition of its role as a long term ecological research site.
 - To utilise research findings in the conservation management of this and other similar areas.
- (d) Education - Provide for education and advocacy opportunities using the park as a principal education focus in Canterbury.
- (e) Threats - Seek to ensure exotic forest plots are either removed and/or adequately contained by responsible agencies so that they do not threaten adjacent indigenous ecosystems.
 - to control wilding tree spread according to agreements with research agencies, land care groups and land holders.

Implementation:

- (a) Finalise the Craigieburn Conservation Park research strategy and the Craigieburn Conservation Park exotic tree control strategy.
- (b) Undertake eradication programmes for exotic tree plots in the Harper River catchment.
- (c) Establish a Craigieburn Conservation Park Research Advisory Group.

LAND UNIT: K34012 (also includes K34013)	NAME: BEALEY SPUR CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2398092 5796765 Legal Description : PT RES 394 PT RES 3286 Survey Blk & District : XV BEALEY	CMS Map # : 3 Area : 48.0595 ha Ecological District : Arthur's Pass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: K nuka/m nuka and beech forest/tawai on steep valley side slopes, adjacent to Bealey Spur settlement and linked to Craigieburn Conservation Park.</p> <p>Location: S of SH73 between Bealey Spur settlement and Bealey Hotel Waimakariri Valley.</p> <p>Main Ecosystems: Mountain beech forest/tawai; m nuka shrub and forestland on hillslopes, patches of native shrub and tussocklands.</p> <p>Main Plant Species: Mountain beech/tawai, m nuka, bracken/aruhe, broadleaf/k puka, <i>Hebe</i> spp., <i>Coprosma</i> sp/karam .</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: Unknown.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Tramping, hunting</p> <p>Facilities:</p> <p>Other Features:</p>	
THREATS To Ecological Features: <p>Animal Threats:Pigs, deer.</p> <p>Plant Threats: Spanish heath (<i>Erica lucitania</i>)</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Proximity to highway and settlement increases fire risk - risk management needs unknown; animal number monitoring and control if necessary, weed control especially of heath.</p> <p>Priorities: Weed control</p>	

LAND UNIT: K34017	NAME: CORNER KNOB AND GOLDNEY HILL
ADMINISTRATION Legal Status : Government Purpose Reserve Reserve Classified ? : Grid Reference : 2406849 5798645 Legal Description : PT RES 379 Survey Blk & District : XVI BEALEY XIII HAWDON	CMS Map # : 3 Area : 111.2377 ha Ecological District : Poulter Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Glacially carved hillslopes and saddle vegetated with fire induced shrublands, tussock grassland plus small wetland hollows. Bisected by SH73. Scattered beech trees remain.</p> <p>Location: Around Mt White Rd turnoff on SH73 NW of Cass settlement.</p> <p>Main Ecosystems: M nuka dominated grass/shrubland on hillslopes; tussock grassland on undulating ground; mixed shrubland on steep rocky hillslopes; sedge wetland (minor).</p> <p>Main Plant Species: M nuka, <i>Cassinia leptophylla</i>, bracken/aruhe, browntop, hard tussock, matagouri. Mixed shrubland includes k whai, k h h , <i>Olearia avicennia</i>, <i>Hebe venustula</i>. Wetlands include <i>Schoenus pauciflorus</i>, toetoe, <i>Carex secta</i>, scattered red tussock.</p> <p>Notable Fauna:</p> <p>Threatened Species:</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Goldney Village site.</p> <p>Visitor Use:</p> <p>Facilities:</p> <p>Other Features: One of few sites of 4 square rush <i>Lepidosperma australe</i> in Canterbury - possibly introduced during roadworks.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock (minor)</p> <p>Plant Threats: Gorse (common near road), broom, minor sweet briar.</p> <p>Other: Fire risk increased because of railway and highway.</p>	
MANAGEMENT <p>Issues: Clarify grazing rights and on-ground boundaries, gorse control; minimise impact of road maintenance.</p> <p>Priorities: Assess grazing impacts, weed control</p>	

LAND UNIT: K34024	NAME: WILBERFORCE RIVERBED CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2380596 5774293 Legal Description : PT RES 408 Survey Blk & District : III OAKDEN XV WILBERFORCE	CMS Map # : 3 Area : 205.5803 ha Ecological District : Coleridge Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Small tract of braided riverbed and part of a terrace tread backswamp where lower Wilberforce River is constricted between Little Goat Hill and Mt Oakden.</p> <p>Location: Near NW end of Lake Coleridge/Whakamatau, below confluence of Harper and Wilberforce Rivers.</p> <p>Main Ecosystems: Braided riverbed with sparse herbfields; terrace tread backswamp.</p> <p>Main Plant Species: <i>Raoulia</i> spp, <i>Epilobium</i> spp., no details.</p> <p>Notable Fauna: No site specific data. Upper Rakaia and tributaries are key habitats for banded dotterel/pohowera, wrybill/ngutupare, black fronted tern/tarapirohe and black billed gull.</p> <p>Threatened Species: Wrybill/ngutupare (B), banded dotterel/pohowera (C), black fronted tern/tarapirohe (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Old accommodation house site in this vicinity but not yet located.</p> <p>Visitor Use:</p> <p>Facilities:</p> <p>Other Features: - Wetland and streams are likely to be spawning sites for introduced fish. The Mathias-Mt Hutt PNA survey suggests that braided riverbeds ecosystems are a priority for protection in Mathias Ecological District. Part of Rakaia River SSWI - rated as having outstanding habitat value.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock damage to wetland and streams.</p> <p>Plant Threats: Broom infestations severe upstream. Site condition unknown.</p> <p>Other: Riverbed engineering works and modified flow regimes as a result of flow diversions upstream for the Coleridge Power Scheme.</p>	
MANAGEMENT <p>Issues: Monitor impacts of river diversions and engineering works upstream, weed control (statutory).</p> <p>Priorities: Maintain habitat value through monitoring of weed encroachment.</p>	

LAND UNIT: K34026	NAME: LAKE IDA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2391123 5773713 Legal Description : CROWN LAND Survey Blk & District : I COLERIDGE	CMS Map # : 3 Area : 19.0000 ha Ecological District : Coleridge Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <u>General:</u> Small, isolated high country lake up to 9m deep, set in a shaded ice-gouged valley, dammed by fan and landslide deposits. Used occasionally by crested grebe. Part of a group of lakes and wetlands that are crucial grebe habitat. <u>Location:</u> Ryton River catchment, N of Lake Coleridge/Whakamatau, inland Canterbury. <u>Main Ecosystems:</u> Aquatic vegetation in open water; (no swamplands included). <u>Main Plant Species:</u> <i>Chara</i> spp. and <i>Nitella</i> spp. (aquatic algae). <u>Notable Fauna:</u> Crested grebe/k mana. <u>Threatened Species:</u> Crested grebe/k mana (O - threatened in NZ, secure overseas). <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> <u>Visitor Use:</u> Ice skating <u>Facilities:</u> <u>Other Features:</u> Noted by Glenny et al. 1987 as having an interesting and unusual phytoplankton.	
THREATS To Ecological Features: <u>Animal Threats:</u> Stock. <u>Plant Threats:</u> Crackwillow. Other:	
MANAGEMENT Issues: Maintain natural character and limit disturbance from recreation facilities. Monitoring of crested grebe and other waterbirds. Priorities: Maintain natural character and wildlife habitat.	

LAND UNIT: K34028	NAME: CAVE STREAM SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2407633 5778092 Legal Description : LOT 1 DP 23983 Survey Blk & District : XIII GRASMERE XVI HARPER	CMS Map # : 3 Area : 16.2253 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Limestone bluffs, outcrops, underground stream cut through limestone and modified tussock grassland. An interesting geomorphic feature, popular with visitors. Site of threatened whipcord Hebe, Hebe cupressoides. Reserve is set against an impressive backdrop of limestone tors and gorge cliffs. Of high value to Ng i Tahu</p> <p>Location: Just off SH73 E of Broken River bridge, Castle Hill Basin/Kura T whiti, inland Canterbury.</p> <p>Main Ecosystems: Browntop-hard tussock grassland on outwash terrace top; matagouri, shrubland on steep unstable terrace riser; mixed tussock and sedge grassland; limestone rocks and bluffs; limestone scree with scattered herbs and grasses.</p> <p>Main Plant Species: Browntop, hard tussock, matagouri, oxeye daisy, <i>Hieracium</i> spp., occasional <i>Cassinia leptophylla</i>, <i>Coprosma propinqua</i>, mountain wineberry. Limestone scree flora includes <i>Poa acicularifolia</i>.</p> <p>Notable Fauna: A harvestman spider usually found at Punakaiki and Inangahua is present in the cave.</p> <p>Threatened Species: <i>Hebe cupressoides</i> (B), <i>Myosotis colensoi</i> (B), and <i>Lepidium sisymbroides</i> var. <i>sisymbroides</i> (I) recorded in past.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: M ori rock drawings. Of high significance to Ng i Tahu</p> <p>Visitor Use: Walking, caving, picnicking</p> <p>Facilities: Signs, interpretive panel, toilets, carpark</p> <p>Other Features: - Marine fossil beds. - Popular recreation area. Cave trip accessible to visitors. - Geopreservation site of regional geomorphic importance - Broken River cave, a horizontal cave cut through Oligocene limestone. Old channel of Cave Stream is of geomorphic interest.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: rabbit, hare, stock trespass</p> <p>Plant Threats: Sweet briar, blackberry, willow, broom, gorse, wilding pine (potential).</p> <p>Other: Natural instability.</p>	
MANAGEMENT <p>Issues: Threatened plant protection, recreation management, weed control.</p> <p>Priorities: Upgrade recreation facilities, walking tracks/toilets/signs/interpretation. Protect sites of <i>Hebe cupressoides</i> and continue enrichment planting.</p>	

LAND UNIT: K34029	NAME: ENYS SCIENTIFIC RESERVE
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? :Y Grid Reference : 2407235 5776708 Legal Description : RS 41103 Survey Blk & District : XIII GRASMERE XVI HARPER	CMS Map # : 3 Area : 4.3895 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Relic shrubland with bog pine and the endangered <i>Hebe armstrongii</i> on an infertile glacial outwash terrace. Includes a variety of uncommon shrubs and native herbs.</p> <p>Location: Above true left Thomas River, c.2km E of Castle Hill/Kura T whiti village and SH73, inland Canterbury.</p> <p>Main Ecosystems: Bog pine shrubland; brown top dominated grassland.</p> <p>Main Plant Species: Browntop, <i>Hieracium</i> spp., various introduced grasses and herbs, bog pine (possibly up to 125 years old), hard tussock. (Full list in Molloy 1990).</p> <p>Notable Fauna: None.</p> <p>Threatened Species: <i>Hebe armstrongii</i> (B), <i>Coprosma intertexta</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural:</p> <p>Visitor Use: Nil</p> <p>Facilities: DOC sign</p> <p>Other Features: Site is of historic taxonomic interest (See Molloy 1990). Includes some species more commonly found in subalpine and timberline environments. Bog pine and <i>Pittosporum divaricatum</i> uncommon in Cass Ecological District.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits and hares damage young shrubs and enrichment plantings, and restrict regeneration.</p> <p>Plant Threats: Gorse, broom, blackberry, wilding pines, <i>Hieracium</i> and introduced grasses out-compete native herbs. Scattered shrubby weeds, especially among bog pine clumps.</p> <p>Other: Potential nutrient enrichment from irrigation or effluent outside reserve. Damage / theft of plants from unauthorised public entry to reserve.</p>	
MANAGEMENT <p>Issues: Fence maintenance, rabbit and hare removal, enrichment planting.</p> <p>Priorities: Fence maintenance. Rabbit/hare control. Enrichment planting.</p>	

LAND UNIT: K34031	NAME: LANCE McCASKILL NATURE RESERVE
ADMINISTRATION Legal Status : Nature Reserve Reserve Classified ? :Y Grid Reference : 2405866 5775121 Legal Description : RES 4747 Survey Blk & District : IV COLERIDGE	CMS Map # : 3 Area : 6.4041 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Gently sloping basin floor with limestone scree, stabilised grassed areas and boulders surrounded by a natural amphitheatre of weathered limestone, bluffs and tors.</p> <p>Location: Castle Hill Basin/Kura T whiti, W of SH73, inland Canterbury.</p> <p>Main Ecosystems: Sparse limestone scree grassland and herbfield vegetation, grading into stabilised sites with short tussock grassland.</p> <p>Main Plant Species: Introduced pasture plants including sweet vernal, <i>Poa pratensis</i>, <i>Hieracium</i> spp., chickweed and oxeye daisy; hard tussock, blue tussock, scattered clumps of specialised limestone plants especially <i>Poa acicularifolia</i>, <i>Oreomyrrhis rigida</i>, <i>Myosotis colensoi</i>, Castle Hill buttercup, <i>Wahlenbergia brockiei</i>.</p> <p>Notable Fauna: Kea and falcon/k re rea seen in vicinity occasionally. Ground W t (<i>Zelandosandrus</i> sp.) resident in the reserve.</p> <p>Threatened Species: <i>Myosotis colensoi</i> (B), <i>Lepidium sisymbroides</i> var. <i>sisymbroides</i> (I), <i>Myosotis traversii</i> var. <i>cinerescens</i> (presumed extinct) <i>Ranunculus crithmifolius</i> - Castle Hill race, found only at this site</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Associated with a major cultural area around Castle Hill rocks.</p> <p>Visitor Use: Entry by permit only</p> <p>Facilities:</p> <p>Other Features: Part of geopreservation site of regional importance - Castle Hill Basin Karst.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits and hares.</p> <p>Plant Threats: Adventive plants stabilise crucial scree habitat and outcompete natives.</p> <p>Other: Theft of plants?, trampling by public during unpermitted visits.</p>	
MANAGEMENT <p>Issues: Threatened plant management (including hare and rabbit extermination) weed impact studies.</p> <p>Priorities: Threatened plant management. On site interpretation of rare plants and habitat management. Establishment of tall shrubland in south-east corner as habitat for category A plant species, <i>Carex inopinata</i> and <i>Australoyrum calus</i>.</p>	

LAND UNIT: K34032	NAME: KURA TĀWHITI CONSERVATION AREA.
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2405680 5775526 Legal Description : RS 40839,40840 SO 17120 LOT 2 DP 43207 Survey Blk & District : IV COLERIDGE XVI HARPER IV COLERIDGE	CMS Map # : 3 Area : 54.0496 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Central block of impressive limestone karst and tor area, grassed natural amphitheatre with scattered limestone outcrops and semi-natural tussock grassland in an intermontane basin. Unusual flora and geomorphology. Area has Tōpuni status under the Ngāi Tahu Claims Settlement Act 1998.</p> <p>Location: Western side of Castle Hill Basin, inland mid Canterbury. Includes central block of 3 main tor areas. Adjacent to Lance McCaskill Nature Reserve.</p> <p>Main Ecosystems: Short tussock grassland; scattered shrubland remnants among limestone boulders and crevices; sparse limestone scree vegetation; calciphilic tor vegetation of mosses and lichens.</p> <p>Main Plant Species: Chewings fescue and other introduced grasses, oxeley daisy, <i>Hieracium</i> spp., chickweed spp.; weeping mapou, <i>Coprosma propinqua</i>, matagouri, <i>Corokia cotoneaster</i>; porcupine scrub, mountain wineberry, hard tussock, silver tussock, <i>Schoenus pauciflorus</i>.</p> <p>Notable Fauna: Kea, karearea seen regularly.</p> <p>Threatened Species: Kea (B), karearea (B), <i>Carex inopinata</i> (A) <i>Australopyrum calcis</i> ssp. <i>optatum</i> (A); <i>Grimmia argentea</i> (I) - a moss; may include <i>Myosotis colensoi</i> (B), <i>Lepidium sisymbroides</i> ssp. <i>sisymbroides</i> (I), <i>Seligeria diminuta</i> (I).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Pursuant to the Ngāi Tahu Claims Settlement Act (and schedule 82 of that Act), the Crown has acknowledged Te Rūnanga o Ngāi Tahu's statement of Ngāi Tahu's cultural, spiritual, historic and/or traditional values relating to Kura Tāwhiti (Castle Hill), as set out below. The area contains rock drawings, archaeological sites, early Pakeha shelters and a "graffiti" stone, within the context of the whole as a Ngāi Tahu cultural site.</p> <p>Visitor Use: Walking, rock climbing/abseiling, natural history study, cultural values appreciation.</p> <p>Facilities: 2 x toilets, DOC signs.</p> <p>Other Features: -Geopreservation site of regional importance - Castle Hill Basin karst. - Proposed as a scenic reserve. Many uncommon plant species. (See appendices of Molloy 1990 and Shanks et al. 1990) Distinctive limestone flora with unusual species assemblage.</p>	
TE RŪNANGA'S STATEMENT OF NGĀI TAHU VALUES RELATING TO AREA <p>Kura Tāwhiti (Castle Hill) is located between the Torlesse and Craigieburn Ranges, in the Broken Hill catchment. The name Kura Tāwhiti literally means 'the treasure from a distant land', and is an allusion to the kumara, an important food once cultivated in this region. However, Kura Tāwhiti was also the name of one of the tūpuna (ancestors) who was aboard the Arai Te Uru canoe when it sank off Matakāea (Shag Point) in North Otago.</p> <p>Kura Tāwhiti was one of the mountains claimed by the Ngāi Tahu ancestor, Tane Tiki. Tane Tiki claimed this mountain range for his daughter Hine Mihi because he wanted the feathers from the kakapō taken in this area to make a cloak for her</p> <p>For Ngāi Tahu, traditions such as this represent the links between the cosmological world of the Gods and present generations, these histories reinforce tribal identity and solidarity, and continuity between generations, and document the events which shaped the environment of Te Wai Pounamu and Ngāi Tahu as an iwi.</p> <p>This region was a well-used mahinga kai for Kaiapoi Ngāi Tahu. The main food taken from this mountain range was the kiore (polynesian rat). Other foods taken included tuna (eel), kakapō, weka and kiwi.</p>	

The tūpuna had considerable knowledge of whakapapa, traditional trails, places for gathering kai and other taonga, ways in which to use the resources of the Kura Tāwhiti, the relationship of people with the land and their dependence on it and tikanga for the proper and sustainable utilisation of resources. All of these values remain important to Ngāi Tahu today.

Kura Tāwhiti was an integral part of a network of trails which were used in order to ensure the safest journey and incorporated locations along the way that were identified for activities including camping overnight and gathering kai (food). Knowledge of these trails continues to be held by whānau and hapū and are regarded as taonga. The traditional mobile lifestyle of the people led to their dependence on the resources of the area.

A particular taonga of Kura Tāwhiti are the ancient rock art remnants found on the rock outcrops. These outcrops provided vital shelters from the elements for the people in their travels, and they left their artworks behind as a record of their lives and beliefs. The combination of the long association with these rock outcrops, and the significance of the artwork on them, give rise to their tapu status for Ngāi Tahu.

The mauri of Kura Tāwhiti represents the essence that binds the physical and spiritual elements of all things together, generating and upholding all life. All elements of the natural environment possess a life force, and all forms of life are related. Mauri is a critical element of the spiritual relationship of Ngāi Tahu Whānui with the area.

THREATS

To Ecological Features:

Human & Animal Threats: human disturbance by trampling and vandalism to rock surfaces; rabbits and hares, stray stock.

Plant Threats: Oxeye daisy and introduced grasses tend to out compete native herbs.

To Historic/Cultural Features:

Human & Animal Threats: disturbance or deliberate damage of historic features; harm to or diminution of Ngāi Tahu values relating to the Tōpuni.

Other: Increasing pressure from recreational users and for commercial use.

MANAGEMENT

Issues: Tōpuni management (see the specific principles and actions required of the Director-General of Conservation, as set out below).

General habitat protection. Threatened plant species management; habitat restoration to improve conditions for threatened plants; stock control; visitor use management; historic sites, landscape and recreational values are also key issues. Conflicting use values an ongoing issue.

Priorities:

Implementation of Tōpuni requirements (as below).

Habitat protection / restoration.

Management of historic values.

Management of visitor use.

Stock control.

Evaluate need for CMP

SPECIFIC PRINCIPLES RELATING TO AREA (from Attachment 12.140 of the Deed of Settlement 1997)

The following specific principles are directed at the Minister of Conservation avoiding harm to, or the diminishing of, the Ngāi Tahu Values related to the Tōpuni:

- (a) Encouragement of respect for Ngāi Tahu's association with Kura Tāwhiti;
- (b) Accurate portrayal of Ngāi Tahu's association with Kura Tāwhiti; and
- (c) Recognition of Ngāi Tahu's relationship with wāhi tapu and wāhi taonga, including archaeological sites.

ACTIONS BY THE DIRECTOR-GENERAL OF CONSERVATION IN RELATION TO THE SPECIFIC PRINCIPLES

Pursuant to clause 12.5.10 of the Deed of Settlement, the Director-General has determined that the following actions will be taken by the Department of Conservation in relation to the specific principles:

(a) Encouragement of respect for Ngāi Tahu's association with Kura Tāwhiti

Staff, conservation board members, concessionaires and the public will be provided with information about the Ngāi Tahu values and the existence of the Tōpuni over Kura Tāwhiti;

Educational material will be made available to rock climbers and all rock climbing guides explaining that, to Ngāi Tahu, climbing the rock outcrops denigrates their tapu status and may damage or destroy rock art remnants;

A review of conditions to be applied generally to new concessions will be undertaken;

The removal of all rubbish and wastes from Kura Tāwhiti will be encouraged;

The Department will ensure, as far as reasonably practicable, that it disposes of waste, particularly human waste, in a way that minimises the risk of contamination of waterways; and

Te Rūnanga will be consulted about the siting and design of new huts or other buildings, and particular regard had to its views.

(b) Accurate portrayal of Ngāi Tahu's association with Kura Tāwhiti

The Department will ensure, as far as reasonably practicable, that Ngāi Tahu's association with Kura Tāwhiti is accurately portrayed in all of its new public information and interpretative material; and

The Department will consult with Te Rūnanga in the provision of its new public information or interpretative material, and as far as reasonably practicable, will only use Ngāi Tahu cultural information with the consent of Te Rūnanga.

(c) Recognition of Ngāi Tahu's relationship with wāhi tapu and wāhi taonga, including archaeological sites

Significant earthworks and disturbances of soil and/or vegetation will be avoided wherever possible; and

Where significant earthworks and disturbances of soil and/or vegetation cannot be avoided, Te Rūnanga will be consulted and particular regard will be had to its relevant policies, including those relating to Kōiwi Tangata (unidentified human remains) and Archaeological and Rock Art Sites.

LAND UNIT: K35010	NAME: PORTER HEIGHTS CONSERVATION AREA.
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2399797 5768789 Legal Description : RS 39658 Survey Blk & District : III,VII COLERIDGE	CMS Map # : 7 Area : 708.1998 ha Ecological District : Craigieburn Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Montane to alpine mountain slopes, valley and cirque basins. Scree extensive. Tussock shrublands cover lower slopes. No beech forest remaining. Skifield established in this catchment.</p> <p>Location: Land NE of Coleridge Saddle and around Porter Heights Skifield, SE end of Craigieburn Range.</p> <p>Main Ecosystems: Sparse herbfield on scree, rockland and bluffs; slim snow tussockland on cirque basin floor and low alpine colluvial sideslopes; mixed shrub and tussocklands on colluvial slopes and moraine-covered slopes in lower main valley, dissected by pavement screes.</p> <p>Main Plant Species: Slim snow tussock, <i>Celmisia lyallii</i>; <i>Dracophyllum acaesum</i>, <i>D. uniflorum</i>, broad snow tussock, snow t tara, <i>Gaultheria depressa</i>, <i>Coprosma ciliata</i>, <i>Celmisia spectabilis</i>'t kumu, <i>Raoulia subseracea</i>, silver tussock/w .</p> <p>Notable Fauna: Kea, skink/mokomoko, grasshopper and w t habitat.</p> <p>Threatened Species: Kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Skiing</p> <p>Facilities: Skifield buildings/town, ski club lodge</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock.</p> <p>Plant Threats: Pasture species common, <i>Echium vulgare</i> by road (management unlikely). Exotic trees and wildings</p> <p>Other: Damage to vegetation from roadworks, spoil, snow grooming and skiing with low snow depths.</p>	
MANAGEMENT <p>Issues: People-kea interaction issues, skifield pressures on natural values (e.g. road debris, water management, ground and plant compaction and disturbance, waste management) - many issues are responsibility of operator.</p> <p>Priorities: Address skifield issues through licencing. Monitor skifield activities. Control exotic tree spread.</p>	

LAND UNIT: K35013	NAME: KOWAI FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : N/A Grid Reference : 2406345 5765315 Legal Description : RES 3293 Survey Blk & District : VIII,XII COLERIDGE	CMS Map # : 7 Area : 80.9371 ha Ecological District : Torlesse Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Small patch of montane mountain beech/tawai forest and shrubland on steep hillside and along steep, gullied stream.</p> <p>Location: Upper Macfarlane Stream, 2km SW of Porters Pass, between Big Ben and Torlesse Ranges.</p> <p>Main Ecosystems: Inferred dryish mountain beech/tawai forest; shrubland.</p> <p>Main Plant Species: Inferred: Mountain beech/tawai, broadleaf/k puka, putaputaweta; matagouri, <i>Dracophyllum</i> spp., <i>Chionochloa rigida</i>.</p> <p>Notable Fauna: Inferred: rifleman/t tipounamu, tomtit/miromiro, brown creeper, kea.</p> <p>Threatened Species: Inferred: kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Deer, pigs, possum, stock trespass.</p> <p>Plant Threats: Gorse, broom.</p> <p>Other: Unknown.</p>	
MANAGEMENT <p>Issues: Field information needed.</p> <p>Priorities: Assessment of ecological features and threats and potential management actions.</p>	

LAND UNIT: K35018	NAME: THIRTEEN MILE BUSH FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2407530 5756827 Legal Description : PT RES 3294,3120 RES 4685, ADJ PT RES 3294 RS 13591 Survey Blk & District : COLERIDGE FIGHTING HILL HORORATA KOWAI XVI COLERIDGE III FIGHTING HILL III FIGHTING HILL	CMS Map # : 7 Area : 2728.1379 ha Ecological District : Whitecliffs Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Steep, stream-dissected hill country in foothills with extensive area of dryish montane mountain beech/tawai forest.</p> <p>Location: SE side of Big Ben Range, W of Springfield.</p> <p>Main Ecosystems: Mountain beech/tawai forest; sub-alpine scrub.</p> <p>Main Plant Species: Mountain beech/tawai, lancewood/horoeka, putaputaweta, broadleaf/k puka , thin-bark t tara, <i>Coprosma</i> spp./karam ; matagouri, <i>Dracophyllum</i> spp., <i>Corokia cotoneaster</i>.</p> <p>Notable Fauna: Tomtit/miromiro, bellbird/k parapara or korimako, rifleman/t tipounamu, brown creeper, kea, parakeet sp/k k riki. (reported), k re rea/NZ falcon (reported).</p> <p>Threatened Species: Kea (B), k re rea (reported) (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Medium</p> <p>Facilities: 1 hut</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Deer, possums.</p> <p>Plant Threats: Wilding pines, gorse, broom</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Wild animal control, relationships with landowners re access.</p> <p>Priorities: Wild animal control. Monitor impacts from adjoining land use - stock, wilding pines. Maintain access arrangements with landowners.</p>	

LAND UNIT: K35045	NAME: MT HUTT FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Y Grid Reference : 2497106 5722011 Legal Description : pt res 1542, 3118, 3314, 3316, 4760 SO 17121 PT RES 5200 SO 17122 RS 42160 Survey Blk & District : V, VI, VIII, HUTT V, VI, VIII, IX HUTT, V, VI, VIII, IX HUTT	CMS Map # : 7 Area : 4203.3378 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Steep mountainous area that includes much of Pudding Hill Stream catchment and the Mt Hutt Skifield basin. Area extends from beech forests on Plains margin to alpine tops.</p> <p>Location: Centred on catchment that includes Mt Hutt Skifield, mid Canterbury.</p> <p>Main Ecosystems: Diverse mixed forest dominated by mountain beech/tawai forest; Dracophyllum shrubland; alpine snow tussockland; streamside flush herbfields; scree and rock herbfields.</p> <p>Main Plant Species: Mountain beech/tawai, <i>Pseudopanax simplex</i>, lancewood/horoeka, broadleaf/k puka, <i>Coprosma</i> spp.; black beech/tawai, southern r t , Halls t tara, p k k , <i>Dracophyllum</i> spp., slim and mid ribbed snow tussock, <i>Celmisia lyalli</i>, <i>Raoulia</i> spp.</p> <p>Notable Fauna: Kea, k re rea, brown creeper, (kerer , tomtit/miromiro, morepork/ruru koukou, blue duck/k whiowhio - old records).</p> <p>Threatened Species: A mistletoe, <i>Ileostylus micranthus</i> IUCN-L), kea (B), k re rea (B), kerer and blue duck/k whiowhio not recently confirmed.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Intensive use by local and international visitors of Mt Hutt Ski Area</p> <p>Facilities: Tracks</p> <p>Other Features: Northern limit for scree herb <i>Chionohebe cilolata</i>, an Otago plant. Some plant records and distributions of interest for this ecological district (PNA report). Few adventive plants in main catchments, but an increased variety has spread since road and skifield development.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock, deer.</p> <p>Plant Threats: Adventives used in land stabilisation.</p> <p>Other: Ongoing impacts from skifield use .</p>	
MANAGEMENT <p>Issues: Goat control planned 1994/95, manage skifield impacts on wider catchment, removal of 80 plus year old larch, assess impact of exotic plantings.</p> <p>Priorities: Ski field management Animal Control Exotic tree and shrub assessment Recreation management</p>	

LAND UNIT: K35049	NAME: LAKE LYNDON MARGINAL STRIP
ADMINISTRATION Legal Status : Marginal Strip Reserve Classified ? :N/A Grid Reference : 2404353 5766491 Legal Description : ADJ RES 5268 ADJ RUN 319 332 Survey Blk & District : VIII XII COLERIDGE VIII XII COLERIDGE	CMS Map # : 7 Area : 1.0000 ha Ecological District : Torlesse Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Marginal strip around NW,W and SW edges of Lake Lyndon, ie. not around roaded sections. Includes part of margin of seasonally dry pond at N end of main lake.</p> <p>Location: Lake Lyndon, near SH73, Porters Pass, inland Canterbury.</p> <p>Main Ecosystems: Sparse turf land on shingle lakeshore; tussock shrubland on hillslope toe; shallow aquatic habitats depending on lake levels.</p> <p>Main Plant Species: <i>Isetes alpinus</i> aquatic fernland, <i>Myriophyllum propinquum</i>, <i>Leptinella maniototo</i> (plus numerous native herb species); matagouri, <i>Cassinia leptophylla</i>, <i>Dracophyllum</i> spp., browntop.</p> <p>Notable Fauna: Banded dotterel/pohowera, used occasionally by crested grebe/k mana, pied stilt/poaka, South Island pied oystercatcher.</p> <p>Threatened Species: Banded dotterel/pohowera (C), Cardamine "tarn" (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: boating, fishing, ice skating, picnicking.</p> <p>Facilities: Shelter in recreation reserve.</p> <p>Other Features: Lake is listed as a RAMSAR convention site of international importance principally because of use by grebe. Provides undisturbed loafing areas for ducks and shags. Feeding habitat for low numbers of waders. Crested grebe use the lake but are not known to breed here. Open lakeshore is not preferred nesting site for grebe.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Cattle and sheep damage turf land vegetation, especially in silty areas.</p> <p>Plant Threats: Weed spread into turflands - no details, wilding trees.</p> <p>Other: Use of vehicles in and around northern pond.</p>	
MANAGEMENT <p>Issues: (Public use and management working group in progress) Assessment of natural and stock induced changes, prevent damage from vehicle use, retain undisturbed bird habitat, clarify management authority over whole lakebed.</p> <p>Co-ordinate management with adjacent lake Lyndon Recreation Reserve (Selwyn District administered)</p> <p>Priorities: Assess natural and stock induced changes. Prevent damage from vehicle and public use. Clarify management authority over lakebed. Retain undisturbed bird habitat.</p>	

LAND UNIT: K35028	NAME: ROCKWOOD CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : N/A Grid Reference : 2409368 5746712 Legal Description : RS 3295,3296 Survey Blk & District : V,VI HORORATA	CMS Map # : 7 Area : 220.5536 ha Ecological District : Whitecliffs Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <u>General:</u> Moderate to steep volcanic hillslopes, and narrow gullies with two patches of upper-lowland to montane mountain beech/tawai forest. <u>Location:</u> 10km W of Glentunnel, W of Darfield. <u>Main Ecosystems:</u> Mountain beech/tawai forest, low altitude beech-podocarp forest. <u>Main Plant Species:</u> Mountain beech/tawai, broadleaf/k puka , p k k , putaputaweta, pepperwood, Coprosma spp/karam ., mingimingi; mountain beech/tawai, kahikatea, mata , thin-bark t tara, southern r t ? <u>Notable Fauna:</u> Bellbird/k parapara or korimako, rifleman/t tipounamu, tomtit/miromiro, brown creeper, kerer (?). <u>Threatened Species:</u> Kerer (?) (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> Low <u>Facilities:</u> Nil <u>Other Features:</u> Geologically interesting: on a small and unusual area of mesozoic rhyolite and andesite, supporting a wide range of plant species at higher altitudes on the Rockwood Range beyond the forest boundary.	
THREATS To Ecological Features: <u>Animal Threats:</u> Goats, possums <u>Plant Threats:</u> Gorse, blackberry, wilding trees Other: Fire.	
MANAGEMENT Issues: Wild animal control; fire control; linking between patches. Priorities: Wild animal control, especially goats. Weed control, possum control	

LAND UNIT: K36001	NAME: PUDDING HILL SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2390971 5737766 Legal Description : RES 3743 Survey Blk & District : VIII HUTT	CMS Map # : 7 Area : 35.3796 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <u>General:</u> Broadleaf/k puka -mountain beech/tawai forest on lower mountain slopes, within Mt Hutt Forest, part of an extensive tract of forest. <u>Location:</u> Southern end of Mt Hutt Range, upslope from Awa Awa R t Recreation Reserve, NW of Methven. 2km from Mt Hutt road turnoff. <u>Main Ecosystems:</u> Mixed broadleaf/k puka -mountain beech/tawai forest on slopes; mountain beech-moss forest on ridges. <u>Main Plant Species:</u> Mountain beech/tawai, broadleaf/k puka , putaputaweta, mountain fivefinger, lancewood/horoeka. <u>Notable Fauna:</u> Not known. <u>Threatened Species:</u> Not known. <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> Tramping, shooting (high) <u>Facilities:</u> Tramping tracks/routes <u>Other Features:</u> Part of Mt Hutt RAP 13.	
THREATS To Ecological Features: <u>Animal Threats:</u> No data. <u>Plant Threats:</u> Minor - exotic trees especially alder. Other:	
MANAGEMENT Issues: Not known. Priorities: Same for Mt Hutt Forest. focus of Visitor Use, i.e. tracks	

LAND UNIT: K36007	NAME: ALFORD SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2389055 5734042 Legal Description : RES 3825 Survey Blk & District : I SPAXTON	CMS Map # : 7 Area : 33.3612 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Broadleaved/k puka and beech/ tawai /kahikatea forest on a foothill toeslope and terrace, surrounded by highly fragmented foothill forests at the edge of the plains.</p> <p>Location: On plains-foothills boundary between Mt Somers and Mt Hutt, adjacent to N. brach of Ashburton River/Hakaterere.</p> <p>Main Ecosystems: Degraded mixed broadleaved shrub and forest on slopes and gullies; beech/tawai-kahikatea forest on terrace.</p> <p>Main Plant Species: Broadleaf/k puka, black/mountain beech/tawai, kahikatea, putaputaweta, lancewood/horoeka, wineberry, fivefinger, k whai.</p> <p>Notable Fauna: Kerer (B)</p> <p>Threatened Species: Insufficient data</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low access is difficult</p> <p>Facilities: Nil</p> <p>Other Features: One of several local remnants included in Mt Hutt RAP 6.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Past stock grazing sever, current threat unknown.</p> <p>Plant Threats: No recent data.</p> <p>Other: No recent data.</p>	
MANAGEMENT <p>Issues: Assess current condition, lack of data</p> <p>Priorities: Resolve access difficulties, wild animal monitoring and control, wild animal threat assessment, plant threat assessment, ecological condition report.</p>	

LAND UNIT: K36012	NAME: ALFORD FOREST (WOOLSHED CREEK BLOCK)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2374405 5731362 Legal Description : RES 3311 SO 17122 Survey Blk & District : II,III ALFORD	CMS Map # : 7 Area : 155.8039 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Smallish remnant patch of montane beech forest/tawai along both extremely steep bluffy sides of a deep (200m) canyon on the western side of Mt Somers.</p> <p>Location: W side of Mt Somers, c.30km W of Methven, mid Canterbury.</p> <p>Main Ecosystems: Mountain beech forest/tawai; silver beech forest/tawai; some tussock grassland.</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, southern r t , p k k , broadleaf/k puka, lancewood/horoeka, <i>Coprosma</i> spp./karam ; red tussock, slim snow tussock.</p> <p>Notable Fauna: Inferred: tomtit/miromiro, brown creeper, pipit/p hoihoi, kea, k re rea/NZ falcon, skink/mokomoko spp., bluff w t .</p> <p>Threatened Species: Inferred: k re rea/NZ falcon (B); kea (B); bluff w t (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Tramway in woolshed creek. Coalmining remains.</p> <p>Visitor Use: Mt Somers W/W, picnics, tramping and walks (high use)</p> <p>Facilities: Shelter and toilets, picnic area</p> <p>Other Features: A local northern distribution limit of narrow-leaved snow tussock is in the area. Presence of southern r t of some note.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Not known.</p> <p>Plant Threats: Gorse and broom, wilding conifers</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fencing (?); specific ecological assessment required, Spanish heath control in progress.</p> <p>Priorities: Upgrade facilities (toilet) environmental and public safety, land rationalisation about car park</p>	

LAND UNIT: K36021	NAME: GHOST STREAM BEECH FOREST, MT SOMERS
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2376773 5727657 Legal Description : RS 41444 SO 15644 RS 7637 SO 17122 SO 6003 Survey Blk & District : VI ALFORD VI ALFORD	CMS Map # : 7 Area : 55.9437 ha Ecological District : High Plains Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Smallish remnant patch of montane beech forest on stream-dissected, easy rolling, south-facing hillslopes on the south side of Mt Somers.</p> <p>Location: South side of Mt Somers, W of Methven, mid Canterbury.</p> <p>Main Ecosystems: Mountain beech/tawai forest; silver beech forest; tussock grassland; scrub; rock communities</p> <p>Main Plant Species: Mountain beech/tawai, silver beech/tawai, broadleaf/k puka, p k k , lancewood/horoeka, <i>Coprosma</i> spp/karam ., fivefinger; red tussock, snow grass, <i>Celmisia spectabilis</i>t kumu var. <i>manifica</i>, m nuka; <i>Hebe amplexicaulis</i></p> <p>Notable Fauna: Inferred: tomtit/miromiro, brown creeper, pipit/p hoihoi, kea, k re rea/NZ falcon, skink/mokomoko spp/mokomoko.</p> <p>Threatened Species: Inferred: k re rea/NZ falcon (B); kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Grazing:wild animals.</p> <p>Plant Threats: Unknown.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fencing, wild animal control.</p> <p>Priorities: Fencing maintenance and wild animal control and monitoring</p>	

LAND UNIT: K36024	NAME: ALFORD FOREST (MT SOMERS BLOCK)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2381479 5731991 Legal Description : PT RES 3119 PT RS 20743,40752 37798 CROWN LAND PT TAYLORS STREAM BED PT RUN 103 CROWN LAND PT TRANSFERRED RD CROWN LAND SO 17122 RS 41529 Survey Blk & District : III,IV,VI,VII,VIII,IX ALFORD III,IV,VI,VII,VIII ALFORD VII ALFORD	CMS Map # : 7 Area : 2583.7699 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Large area of upper-lowland to alpine hillslopes, very steep over much of area, in mountain beech/tawai forest, subalpine scrub and tussocklands, on greywacke, argillite and intermediate volcanic parent materials.</p> <p>Location: Eastern edge of foothills near Staveley, 22km W of Methven.</p> <p>Main Ecosystems: Mountain beech/tawai forest; slim snow tussockland; red tussockland; subalpine scrub; m nuka shrubland; cushion bogs on plateau slopes.</p> <p>Main Plant Species: Mountain beech/tawai, broadleaf/k puka, r t, mountain horopito, weeping m pou; slim snow tussock, <i>Celmisia spectabilis</i>/t kumu, <i>Chionochloa rubra</i>; inaka, toatoa; m nuka; <i>Oreobolus pectinatus</i>, <i>Sphagnum</i> spp.</p> <p>Notable Fauna: Kerer, tomtit/miromiro, <i>Leiopsima skink</i>/mokomoko spp. (probably <i>L. maccanni</i> and/or <i>L. nigriplantare polychroma</i>), k re rea, whio/k whiowhio, kea, brown creeper, pipit/p hoihoi. Mt Somers w t</p> <p>Threatened Species: <i>Ischnocarpus novae-zelandiae</i> (IUCN-V), <i>Plantago doconica</i> (IUCN-R); k re rea/NZ falcon (B), whio/blue duck/k whiowhio (B); kea (B); kerer (B), <i>Deinacrida maungakoura</i> (Mt Somers w t)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: High. Mount Somers W.W. covers part of area.</p> <p>Facilities: 1 fourteen bunk hut</p> <p>Other Features: Some scattered emergent kahikatea at upper altitudinal limit, at Stevenson Hill. Unusual plant record: <i>Centrolepis pallida</i> - only Canterbury record; <i>Dicranum scoparium</i> - unusual in NZ; eastern limit of moss <i>Distichophyllum krausei</i> and at least 7 other species of plant; northern limit for <i>Hebe amplexicaulis</i> and other species; <i>Baumea rubiginosa</i> - uncommon in Canterbury; <i>Stichenus cunninghamii</i> - uncommon in Canterbury; north side of Mt Somers has largest bog pine - mountain toatoa shrubland of its type in Canterbury; area contains a geopreservation site of regional importance: late Cretaceous volcanics, including a rhyolite dome and ignimbrite sheets (of an unusual type for South Island); an unnamed w t (<i>Deinacrida</i> sp.) has been found below Mt Somers; volcanic rock plateau of Mt Somers is a nationally unique landform.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Some sheep grazing threatens wetland margins in slim snow tussockland; goats; possums; wasps.</p> <p>Plant Threats: None known.</p> <p>Other: Risk of large summer fire very high.</p>	
MANAGEMENT <p>Issues: Control fire risk; remove grazing threat of sensitive wetland areas. Ecological survey.</p> <p>Priorities: Develop fire plan, threatened species monitoring, recreation management, advocacy/interpretation/signs, weta survey</p>	

LAND UNIT: K36026	NAME: SHARPLIN FALLS SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2382676 5730657 Legal Description : RES 3785 RES 4247 SO 8511 RES 4598 Survey Blk & District : VII, VIII ALFORD VII, VIII ALFORD VII ALFORD	CMS Map # : 7 Area : 226.7023 ha Ecological District : Mt Hutt Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Lowland to montane mountain beech/tawai forest on gentle to very steep gullied hillslopes of greywacke and rhyolite, with r t on rock outcrops and dry spurs.</p> <p>Location: On foothills below Mt Somers near Staverley, approx. 20km W of Methven.</p> <p>Main Ecosystems: Almost entirely mountain beech/tawai forest; small pockets of broadleaf/k puka -fuchsia/k tukutuku-putaputaweta forest.</p> <p>Main Plant Species: Mountain beech/tawai, broadleaf/k puka , fuchsia/k tukutuku, putaputaweta, wineberry, southern r t , <i>Coprosma</i> spp/karam .</p> <p>Notable Fauna: Whio/k whiowhio, tit/miromiro.</p> <p>Threatened Species: Whio/k whiowhio (B), <i>Ileostylus micranthus</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: High, Mt Somer Walkway entrance</p> <p>Facilities: 2 unit toilet, shelter, walking track to falls</p> <p>Other Features: Southern r t not common in Canterbury - this is only reserve where it occurs with beech.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Some deer browse on easier, higher country; goats from adjacent farmland.</p> <p>Plant Threats: Spanish heath, gorse.</p> <p>Other: Some deterioration of tracks through high use and wet conditions.</p>	
MANAGEMENT <p>Issues: Boundary adjustments, visitor impacts</p> <p>Priorities: Recreational impact monitoring, advocacy facilities maintenance.</p>	

LAND UNIT: K37273 (also includes K37328)	NAME: RANGITATA RIVERBED, EALING
ADMINISTRATION Legal Status : Section 62, Conservation Act; Marginal Strip Reserve Classified ? : Grid Reference : 2381433 5683881 Legal Description : RS 40847 ADJ RS 40847 Survey Blk & District : VII RANGITATA	CMS Map # : 12 Area : 175.63 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <u>General:</u> Marginal strip and Crown land on north bank. <u>Location:</u> Riverbed upstream of SH1 on North bank of Rangitata River. <u>Main Ecosystems:</u> Willow treeland, dry herbfield or grassland. <u>Main Plant Species:</u> Willow spp., ti, Carex secta, occasional ribbonwood. <u>Notable Fauna:</u> No data. <u>Threatened Species:</u> No data. Probably none. <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Mahinga kai <u>Visitor Use:</u> Trout/salmon fish, duck shooting <u>Facilities:</u> Nil <u>Other Features:</u> Trout and wildlife habitat of some significance.	
THREATS To Ecological Features: <u>Animal Threats:</u> Stock. <u>Plant Threats:</u> Broom, gorse, willow. Other:	
MANAGEMENT Issues: Information gathering. Statutory Acknowledgement: Rangitata River – implementation of Ng i Tahu Settlement. Priorities: Ecological assessment	

LAND UNIT: K38004	NAME: LOWER RANGITATA RIVER CHANNELS
ADMINISTRATION Legal Status : Local Purpose Soil Conservation Reserve Reserve Classified ? :N Grid Reference : 2382700 5677443 Legal Description : RES 2892 Survey Blk & District : VIII GERALDINE	CMS Map # : 12 Area : 80.9371 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Numerous blocks and strips of land within channels of the lower Rangitata River. Much of the land is within dry channels of the now diverted south and mid branches. Some patches of native dryland remain.</p> <p>Location: Rangitata Island area, E of SH1, mid Canterbury.</p> <p>Main Ecosystems: Modified farmland, gorse dominated floodplains, native moss and herb grassland.</p> <p>Main Plant Species: Native dryland patches between gorse clumps include <i>Rytidosperma clavatum</i>, <i>Leucopogon frazeri</i>, <i>Raoulia australis</i>, <i>Raoulia monroi</i>, <i>Muehlenbeckia axillaris</i>, <i>Racomitrium lanuginosum</i> (woolly moss), matagouri.</p> <p>Notable Fauna:</p> <p>Threatened Species: <i>Muehlenbeckia ephedroides</i> (Local -IUCN)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: No data</p> <p>Facilities: Nil</p> <p>Other Features: Good lizard habitat.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Role of stock and rabbit grazing uncertain.</p> <p>Plant Threats: Gorse and broom.</p> <p>Other: Cultivation destroys native drylands.</p>	
MANAGEMENT <p>Issues: Noxious weed control responsibilities.</p> <p>Statutory Acknowledgement: Rangitata River – implementation of Ng i Tahu Settlement.</p> <p>Priorities: Weed control, monitoring of threatened species and habitats.</p>	

LAND UNIT: K38068	NAME: SPIDER LAGOON
ADMINISTRATION Legal Status : Section 62, Conservation Act. Reserve Classified ? : Grid Reference : 2381800 5660600 Legal Description : Survey Blk & District : IV AROWHENUA	CMS Map # : 12 Area : 3.6400 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Small coastal wetland in relic channel now separated from sea by stopbanks. Freshwater habitat dominated by raup .</p> <p>Location: 1.5 km south of Orari River mouth, South Canterbury.</p> <p>Main Ecosystems: Deep open fresh - brackish water; raup reedlands.</p> <p>Main Plant Species: Raup , <i>Juncus</i> spp/w w , <i>Carex</i> spp.</p> <p>Notable Fauna: Common waterfowl, marsh crane, white heron/k tuku, Australasian bittern reported. Waders present when adjacent land is flooded.</p> <p>Threatened Species: Australasian bittern (O - threatened in NZ, secure overseas), white heron/k tuku (O).</p> <p>Landscape: Coastal wetland</p> <p>Historic/Cultural: Nil</p> <p>Visitor Use: Duck shooting</p> <p>Facilities: Nil</p> <p>Other Features: Moderate to high SSWI rating. Used for gamebird hunting.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock intrusion on western edge.</p> <p>Plant Threats: Gorse on adjacent stopbank.</p> <p>Other: Coastal erosion, agricultural pollution.</p>	
MANAGEMENT <p>Issues: Assess current condition and threats, working with adjacent landowner. Restoration as a wildlife management reserve. Complete fencing. Develop wader habitat.</p> <p>Priorities: Fencing, monitoring and assessment of habitats and restoration.</p>	

LAND UNIT: K38113	NAME: MILFORD LAGOON AND LOWER ORAKIPAOA CREEK
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2379154 5658289 Legal Description : RES 3207 Survey Blk & District : III,IV,VII AROWHENUA	CMS Map # : 12 Area : 85.0000 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Timaru
DESCRIPTION <p>General: Coastal lagoon, stream and relic channel wetlands, behind a shingle beach. Diverse aquatic habitats and some fringe areas of dense, tall wetland vegetation.</p> <p>Location: Adjacent to and North of Opihi River mouth, 7km from Temuka. (Does not include Harakeke Tautoro Island in centre of lagoon)</p> <p>Main Ecosystems: Shingle beach backshore dominated by exotics; tidal aquatic habitats of varying depth; meandering channels with freshwater input and fringe of mixed flaxland; flax-raup reedland around relic channel ponds; saltmarsh.</p> <p>Main Plant Species: Flax/harakeke, wire rush, saltmarsh ribbonwood, three square rush, <i>Carex secta</i>, <i>Carex coriacea</i>, <i>raup</i>, <i>Juncus gregiflorus</i> w w, <i>Scirpus caldwelii</i>, gorse and shrub lupin.</p> <p>Notable Fauna: Migratory, wading and coastal birds. Occasional white-winged black tern/tara and black-fronted tern/tarapirohe.</p> <p>Threatened Species: Banded dotterel/pohowera (C), black fronted tern/tarapirohe (B), white heron/kuku and Caspian tern/tara (threatened in NZ).</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Mahika kai area</p> <p>Visitor Use: Fishing, gamebird hunting</p> <p>Facilities: Nil</p> <p>Other Features: Whitebait spawning habitat. Nationally important for fisheries, as a breeding and nursery area (Davis 1987); formerly important M ori fishery, ASCV site (DOC unpub.); SSWI of high value, lagoon and barrier island are a geopreservation site of international importance because of unusual structure.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock trampling of margins.</p> <p>Plant Threats: Gorse and shrub lupin.</p> <p>Other: Coastal erosion, agricultural pollution. Further clearance for pasture on adjacent private land; extensions of flood control structures incomplete, difficult to maintain.</p>	
MANAGEMENT <p>Issues: An excellent example of South Canterbury's coastal wetlands. Lower Orakipaoa Creek is the best remaining example of a meandering coastal stream in Canterbury, south of Saltwater Creek, Ashley River.</p> <p>Priorities: Fencing, estate monitoring, habitat improvement, weed control and advocacy. Protect indigenous vegetation upstream.</p>	

LAND UNIT: L32001	NAME: LAKE SUMNER FOREST PARK
ADMINISTRATION Legal Status : Conservation Park Reserve Classified ? :N/A Grid Reference : 2456379 5828996 Legal Description : PT RES 4380,5002,4382,5007,4431 RES 2629,3262,3263,3264,3265 RS 39830,39831,39832,PT 40734 SEC 1 SO 17636 RS 42161,42212,42213 RS 40859 RS 41275,41276,41277,41281 RS 41274,41278,41279,41280 RS 41282,41283,41284 Survey Blk & District : ESK KATRINE LAKE SUMNER MARION MYTHOLM NOBLE SADDLE SKIDDAW ESK KATRINE LAKE SUMNER MARION MYTHOLM NO	CMS Map # : 1 Area : 107222.2197 ha Ecological District : Sumner Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Beech forested montane valleys and snow tussock covered tops in an area which extends for 38km from the Main Divide. An area of marked climatic gradients.</p> <p>Location: Although centred around glacially carved lakes and faulted valleys the park does not include Lake Sumner /Hoka Kura nor the Hurunui and Hope riverflats.</p> <p>Main Ecosystems: Beech forest/tawai, low forest and shrubland of mountain ribbonwood/houhi (on slips and gullies) and k nuka/m nuka on dry previously burnt areas; sub-alpine shrubland; alpine snow tussockland; tussock grassland in drier east.</p> <p>Main Plant Species: Red, silver mountain beech/tawai, <i>Coprosma</i> spp./karam , broadleaf/k puka, <i>Dracophyllum longifolium</i>, snow t tara, <i>Cyathodes juniperina</i>, <i>Polystichum vestitum</i>, Hall's t tara, <i>Phyllocladus alpinus</i>/toatoa, mountain ribbonwood/houhi, m nuka, k nuka, <i>Dracophyllum traversii</i>, kaikawaka, flax/harakeke, <i>Hebe subalpina</i>; <i>Chlonochloa pallens</i>, <i>C. australis</i>, <i>C. macra</i> (plus patches of many other snow tussock species), blue tussock, <i>Celmisia lyalli</i>. browntop, yorkshire fog.</p> <p>Notable Fauna: 10 species of native fish; birds: blue duck/k whiowhio, yellowhead/mohua, kea, k re rea, long tailed bat, western weka (rare), southern crested grebe/k mana (low numbers), paradise duck/p takitaki(locally abundant), black shag/k au, NZ scaup, banded dotterel/pohwera, yellow crowned k k riki, kerer , moreporok/ruru koukou, SI robin/kakaruai, t (uncommon in E Canterbury).</p> <p>Threatened Species: Blue duck/k whiowhio (B), yellowhead/mohua (B), kea (B), k re rea (B), long tailed bat (B), western weka (B), crested grebe/k mana (O), banded dotterel/pohwera (C), yellow crowned k k riki (C), kerer (B), k k (B), great spotted kiwi/rororoa (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Numerous sites associated with Ng i Tahu and Pakeha travel to and from the West Coast. Pakeha sites include No's 1 and 2 huts, Upper Hurunui, Amuri Pass track, Dozie's hut of earth construction near Upper Hurunui Gorge, road workers hut at Boyle Lodge (1930s).</p> <p>Visitor Use: Hunting, tramping, fishing</p> <p>Facilities: 1 thirty bunk hut, 2 twenty bunk huts, 2 eighteen bunk huts, 1 nine bunk hut, 5 eight bunk huts, 5 six bunk huts, 1 five bunk hut, 4 four bunk huts, 2 three bunk huts, 1 two bunk hut, 14 bivvies, 1 public shelter.</p> <p>Other Features: - c.41000ha are gazetted as a Recreational Hunting Area (L32003). - Park includes Upper Hope Ecological Area which is a representative area of vegetation gradients and park fauna. (L32002) - Upper Hope has <i>Chionochloa oreophylla</i> and <i>C. crasiuscula</i> close to their N limits. Western montane species are common. - Lake Marion and Morris tarn are small lakes surrounded by forest, unusual for Canterbury. They contain no exotic fish. - Lake Marion is a Faunistic Reserve under Fisheries Regulations controlled by DOC, one of only 2 in the South Island. - Numerous geopreservation sites within and near the park - the Sumner lakes area has excellent relic glacial lake features, Hurunui River hot springs, Hope River hot springs.</p>	
THREATS To Ecological Features: <p>Animal Threats:Pig, deer, chamois, possum, minor stock intrusion, cats, mustelids, rabbits in eastern areas.</p> <p>Plant Threats: Wildings, old revegetation trials, gorse, broom, ragwort.</p> <p>Other: Fire, especially in E of park.</p>	

MANAGEMENT

Issues: Maintain stock control fencing, animal control (if feasible e.g. for stoats), protected species management (especially for blue duck/k whiowhio and yellowhead/mohua and possibly South Island kokako), recreational status of area in terms of "semi wilderness" concept).

Priorities: Include Lake Sumner in Conservation Park.
Mustelid control in South Branch Hurunui River.
Wilding tree and broom control in Jolliebrook.
Recreational facilities maintained
Fire Control, Rabbit Control.

Management Plan: NZFS Management Plan review approved 1984, expired 1989. To be formally withdrawn under S 65(12)(c) Conservation Act and management objectives set by the CMS.

LAND UNIT: L32007	NAME: LAKE SUMNER CONSERVATION AREA (LAKEHEAD MARGINAL STRIPS)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2439561 5832678 Legal Description : RES 115 SO 17126 CROWN LAND Survey Blk & District : III,IV KATRINE III,IV KATRINE	CMS Map # : 1 Area : 630.0000 ha Ecological District : Hope Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Sequence of semi-natural ecosystems extending from the shore to river flat pasture at the head of Lake Sumner, mixed pasture and native shrubland on fans, to steep lower hillslopes with beech remnants and fire-induced native and exotic communities. Leased for grazing. Includes wetlands at Loch Katrine outlet and part of lakeshore.</p> <p>Location: True R, beside upper Hurunui River at the head of Lake Sumner/Hoka Kura.</p> <p>Main Ecosystems: Mosaics of bracken fernland, regenerating shrubland, fire damaged m nuka shrubland, introduced pasture, beech forest on hillsides; pasture and shrublands on fans and flats; flax/harakeke sedgeland (notable feature of Loch Katrine outlet)</p> <p>Main Plant Species: Mountain beech/tawai, bracken/aruhe, m nuka, k nuka, tutu, <i>Coprosma propinqua</i>/karam , other <i>Coprosma</i> spp., matagouri, sweet vernal and other introduced grasses, <i>Carex secta</i>, <i>C. gaudichaudiana</i>, <i>C. coriacea</i>, flax/harakeke, <i>Schoenus pauciflorus</i>, <i>Blechnum</i> fern spp.</p> <p>Notable Fauna: No records.</p> <p>Threatened Species: Not found.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Site of old homestead built between 1857 and 1865, and several grave sites (1860s). Eel fishery</p> <p>Visitor Use: Tramping, 4WD, fishing</p> <p>Facilities: N/A</p> <p>Other Features: Lake side and lakehead location makes this area one of interest in terms of landscape continuity.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Cattle grazing would damage wetlands.</p> <p>Plant Threats: Gorse, hawthorne, cherry, broom.</p> <p>Other: Fire, top dressing</p>	
MANAGEMENT <p>Issues: Weed control (especially hawthorne), ongoing monitoring of grazing impacts, prevent cattle damage to wetlands especially at Loch Katrine, maintain ecological and landscape values and continuity especially around lake edge.</p> <p>Priorities: Fencing hillslopes to prevent grazing. Weed control: hawthorn, gorse. Include in Lake Sumner Conservation Park.</p>	

LAND UNIT: L32008	NAME: LOCH KATRINE RECREATION RESERVE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? :Y Grid Reference : 2445085 5831128 Legal Description : RS 41017 Survey Blk & District : IV KATRINE	CMS Map # : 1 Area : 11.0530 ha Ecological District : Sumner Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Informal hut settlement and camp adjacent to Loch Katrine. Landforms include terminal moraine, alluvial fan, incised stream, lakeshore and part of steep bush covered valley sideslope. A windswept site in a visually attractive glacial valley.</p> <p>Location: SE end of Loch Katrine, S of Lake Sumner/Hora Kura, inland N. Canterbury.</p> <p>Main Ecosystems: Introduced grassland; beech forest remnants; shrubland with scattered trees.</p> <p>Main Plant Species: Grassland species not described; mountain and red beech/tawai, Hall's tara, broadleaved shrubs; <i>Coprosma</i> spp., matagouri; <i>Muehlenbeckia complexa</i>, k whai (scattered mature trees)</p> <p>Notable Fauna: None in reserve. Lake itself supports grey duck/p rera, NZ scaup and paradise shelduck/p takitaki. Crested grebe/k mana present occasionally.</p> <p>Threatened Species: None in reserve.</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Bach settlement</p> <p>Visitor Use: Day visitors, camping</p> <p>Facilities: Toilet block and camping sites</p> <p>Other Features: Attractive valley setting adds to the recreational appeal of this area. Long running debate over presence of huts and caravans.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock.</p> <p>Plant Threats: Exotic trees and shrubs, recreational boating increases risk of waterweed invasion.</p> <p>Other: Human damage to vegetation (fire wood cutting and vandalism), fire, risk to lake water quality from settlement effluent.</p>	
MANAGEMENT <p>Issues: Recreational use management, water quality threat from reserve, enhancement of natural character through removal of baches and exotic trees; stock control and managed grazing.</p> <p>Priorities: Monitor water weeds. Weed control, cotoneaster species</p>	

LAND UNIT: L32011	NAME: PAHAU CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Y Grid Reference : 2482942 5845256 Legal Description : LOTS 1,2,3 DP 48329 RS 37399 SO Survey Blk & District : VI, VII, VIII, X, XIV, XV, TEKOA VI, VII, VIII, X, XI, XIV, XV, TEKOA	CMS Map # : 1 Area : 4265.3789 ha Ecological District : Sumner Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Steep to very steep dissected hillslopes of the eastern Tekoa Range with small patches of montane beech forest in some gullies and predominantly, induced tussock grassland and sub-alpine communities.</p> <p>Location: E. Tekoa Range, Upper Pahau River, c. 30km SW of Hanmer Springs.</p> <p>Main Ecosystems: Snow tussocklands; sub-alpine vegetation; short tussockland; mountain beech/tawai forest.</p> <p>Main Plant Species: <i>Chionochloa</i> spp., <i>Cassinia leptophylla</i>, <i>Coralospartium crassicaule</i>; short tussocks; mountain beech/tawai, broadleaf r t , red beech/tawai.</p> <p>Notable Fauna: Inferred: pipit/p hoihoi, k re rea/NZ falcon, rifleman/t tipounamu, tomtit/miromiro, brown creeper, bellbird/k parapara or korimako.</p> <p>Threatened Species: K re rea (B), kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Retired from Lochiel Station</p> <p>Visitor Use: Low recreational hunting</p> <p>Facilities: N/A</p> <p>Other Features: No data</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock; possums; hares</p> <p>Plant Threats: Broom, gorse, wilding conifers</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Ecological assessment required (there is no documentation of this area). Fire control; stock gazing.</p> <p>Priorities: Ecological assessment. Maintenance of fence. Weed control in riverbed. Include in Lake Sumner Conservation Park</p>	

ggLAND UNIT: L33002	NAME: RAUP POND
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2449245 5825827 Legal Description : CROWN LAND SO 17127 Survey Blk & District : II NOBLE	CMS Map # : 4 Area : 12.5000 ha Ecological District : Hurunui Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Shallow open waters surrounded by dense raup beds with willows. Situated in a shallow depression on moraine and outwash deposits. One of a network of small lakes and wetlands around Lake Sumner/Hoka Kura.</p> <p>Location: 0.5km from SE ends of Lakes Taylor and Sheppard, Lake Sumner/Hoka Kura area, N. Canterbury.</p> <p>Main Ecosystems: Raup readland; open water.</p> <p>Main Plant Species: Raup , willow.</p> <p>Notable Fauna: Of high value to common waterfowl (ducks, geese and black swan). Eel habitat</p> <p>Threatened Species: Crested grebe/k mana.</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Eel fishery</p> <p>Visitor Use: Low game bird hunting</p> <p>Facilities: N/A</p> <p>Other Features: Part of a larger wetland complex (Lake Sumner/Hoka kura) which meets RAMSAR convention criteria as a wetland complex of international importance.</p>	
THREATS To Ecological Features: Animal Threats: Trampling by stock Plant Threats: Willows. Water weed invasion from Lake Taylor Other: Top dressing drift and/or run off from pastures	
MANAGEMENT Issues: Retain wildlife habitat values. Assess condition. Canada goose population conflicts, willow regeneration. Priorities: Assess threat from stock. Extent of willow regeneration.	

LAND UNIT: L33008	NAME: LOCHINVAR FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2435371 5813248 Legal Description : RS 3275,3276,3277,3278,3279 RS 3280,41061 PT RES 3281 Survey Blk & District : ESK HAWDON ESK HAWDON ESK HAWDON	CMS Map # : 4 Area : 12883.4645 ha Ecological District : Poulter Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Large but disjoint blocks of mountain beech/tawai forest typical of the relatively dry eastern inland Waimakariri catchment.</p> <p>Location: Forested areas of Boundary Stream catchment W of Mt White, NW slopes and high terraces of Puketeraki Range, Turnbull Stream (mid Poulter), Nigger, Camp and Ant Stream catchments in Upper Esk catchments and part of Esk headwaters.</p> <p>Main Ecosystems: Mountain beech/tawai forest.</p> <p>Main Plant Species: Mountain beech/tawai, k nuka, m nuka, matagouri, <i>Hebe</i> spp., bush lawyer, <i>Coprosma linarifolia</i> and other <i>Coprosma</i> spp., <i>Olearia</i> spp., mountain ribbonwood/houhi. <i>Asplenium richardii</i> (fern). (Date from lower Boundary Stream)</p> <p>Notable Fauna: Kea, k re rea.</p> <p>Threatened Species: PLANTS: <i>Peraxilla</i> sp. (B) No further details. ANIMALS: kea (B), k re rea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Tramping, hunting</p> <p>Facilities: 1 six bunk hut, 1 three bunk hut, 3 bivvies.</p> <p>Other Features: Appears to support good numbers and abundance of mistletoe species.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Deer, chamois, stock, pig.</p> <p>Plant Threats: No information. No major problems expected.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Assess values especially in relation to overall DOC land in upper Esk and Poulter catchments.</p> <p>Priorities: Not assessed (established ecological links with other conservation areas through tenure review)??</p>	

LAND UNIT: L33009	NAME: PUKETERAKI FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2443217 5800032 Legal Description : RS 3267,3268,3269 RS 41644,41645,41646 SO 15917 Survey Blk & District : ESK MOUNT THOMAS OKUKU UPPER ASHLEY ESK OKUKU UPPER ASHLEY	CMS Map # : 4 Area : 6750.1784 ha Ecological District : Torlesse Area Office : Waimakariri District Council : Waimakariri
DESCRIPTION <p>General: Greywacke-argillite mountain lands dominated by beech forest over ridge and branched catchment terrain. Extends from eastern foothills to the exposed Puketeraki Range crest. Tussockland and alpine tops included.</p> <p>Location: Upper catchments of Lillburn, Ashley/Rakahuri and part of Okuku Rivers, E side of Puketeraki Range to Lees Valley, N. Canterbury.</p> <p>Main Ecosystems: Mountain beech/tawai forest on hillslopes (with variations in understorey species), snow tussockland; subalpine-alpine zone (no data available).</p> <p>Main Plant Species: Mountain beech/tawai, snow t tara, <i>Coprosma</i> spp. (numerous), <i>Dracophyllum longifolium</i>, mountain toatoa, <i>Gaultheria depressa</i>, Hall's t tara, <i>Polystichum vestitum</i>; <i>Chionochoa</i> spp. (?) - no data on species above bushline.</p> <p>Notable Fauna: Kea, tomtit/miromiro, brown creeper, grey warbler/riroriro (common), k re rea, kiwi.</p> <p>Threatened Species: Kea (B), k re rea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: 6 bunk hut, 4 bunk hut</p> <p>Other Features: Noted for its stunted bushline forest.</p>	
THREATS To Ecological Features: <p>Animal Threats:Deer, possum, pig, chamois, stock (minor).</p> <p>Plant Threats: Gorse, broom.</p> <p>Other: Fire (threat from adjacent pastoral land).</p>	
MANAGEMENT <p>Issues: Survey needed of non-forested areas. Monitoring of animal numbers, survey of land above bushline.</p> <p>Priorities: Survey of non forested areas to identify values, threats, and potential management actions. Kiwi Survey</p>	

LAND UNIT: L33020 (also includes L33003)	NAME: LAKE TAYLOR MARGINAL STRIP
ADMINISTRATION Legal Status : Marginal Strip; Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2447416 5826798 Legal Description : ADJ RUN 142A; CROWN LAND SO 17127 Survey Blk & District : VIII KATRINE II, IV NOBLE	CMS Map # : 4 Area : 25.0000 ha Ecological District : Sumner Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Shoreline and hillside beech forest of a glacially carved high country lake. Flax/harakeke, shrubland, gravel beaches, spits and small block of hillside beech forest, are protected.</p> <p>Location: The lake is oligotrophic and exposed to strong winds. Lake Taylor runs parallel to Lake Sheppard, S of Lake Sumner/Hoka Kura, inland N. Canterbury.</p> <p>Main Ecosystems: Open water (40m deep) Sparsely vegetated gravel herbfields and bare gravel; flaxland; shrubland and beech forest.</p> <p>Main Plant Species: Flax/Harakeke, matagouri and m nuka extend along the lake margin; mountain beech/tawai on hillslope; no data on lakeshore herbs or aquatic plants.</p> <p>Notable Fauna: Lakeshore used for loafing and breeding of small numbers of waterbirds. No details available.</p> <p>Threatened Species: May very occasionally be visited by crested grebe/k mana. Present in small numbers in Lake Sumner/Hoka Kura area.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Eel fishing</p> <p>Visitor Use: Fishing</p> <p>Facilities: N/A</p> <p>Other Features: Part of a larger area regarded as geopreservation site of national significance. Excellent examples of lake features in a formerly glaciated environment.</p>	
THREATS To Ecological Features: Animal Threats: Stock Plant Threats: Spread of introduced waterweeds. Current status unknown. Other: Top dressing runn off and/or run off from pastures	
MANAGEMENT Issues: Canada goose management issues. (DOC has no primary involvement or responsibility for this species.) Cull operations may disturb native birds. Priorities: Monitor waterweeds. Control gorse and broom.	

LAND UNIT: L33022	NAME: MT WHITE CONSERVATION AREA
ADMINISTRATION Legal Status : CA62MA Reserve Classified ? : Grid Reference : 2430702 5817356 Legal Description : RS 7442, 7443, 7444 VIII Hawdon S.D. Survey Blk & District :	CMS Map # : 4 Area : .123.025ha Ecological District : Poulter Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: A montane to low alpine greywacke mountain block that lies east of Arthur's Pass National Park and the main divide. This relatively dry and exposed area has extensive areas of tussockland and scree.</p> <p>Location: Upper Waimakariri catchment between the Esk and Poulter rivers. Formerly part of Mt White Station. Abounds Lochinvar.</p> <p>Main Ecosystems: Forest in places especially in upper basins, tussockland (various) on slopes on colluvial mountain slopes and basins; herb and cushion tussocklands especially in upper basins; tussock shrubland on slopes, scree rockland, fellfield and bluff ecosystems.</p> <p>Main Plant Species: <i>Chionochloa macra</i>, <i>C. flavescens</i>, <i>C. pallens</i>, <i>C. australis</i></p> <p>Notable Fauna: Kea, k re rea likely, good skink/mokomoko and grasshopper habitat.</p> <p>Threatened Species: kea (B), k re rea (B) (probable)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Tramping, hunting</p> <p>Facilities:</p> <p>Other Features: Area straddles a zone between western tussocklands dominated by <i>C. pallens</i> and <i>C. oreophila</i>, and eastern tussocklands dominated by <i>C. macra</i>. Southernmost occurrence of <i>Chionochloa australis</i> in Cass Ecological District. Part of the former Mt White retirement area is within Cass RAP-18, Boundary Creek.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Minor, some deer, chamois, hare and occasional roving stock.</p> <p>Plant Threats: No known weed problems</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Reassess management needs of various blocks of conservation land east of Arthur's Pass National Park</p> <p>Priorities: Not assessed.</p>	

LAND UNIT: L33023	NAME: THE DEN RETIREMENT AREA
ADMINISTRATION Legal Status : CA62MA Reserve Classified ? : Grid Reference : 2447769 5804624 Legal Description : Sec 1,2 SO 19104 Survey Blk & District : Lot 1, 2 DP 65882 VIX Okuku, VIII Esk SD	CMS Map # : 4 Area : .1788.2980ha Ecological District : Torlesse Area Office : Waimakariri District Council : Hurunui
DESCRIPTION <p>General: Steep to very steep E and SE slopes of Puketeraki Range. Extends from c.640m to range crest at C.1714m. Naturally erodable land retired. Land tenure changes still under negotiation (1994)</p> <p>Location: Headwaters of Okuku River, especially Panhandle Stream and Whitnow Stream, near Ashley Head on E side.</p> <p>Main Ecosystems: Snow tussockland with patches of bare ground and shrubland; short tussockland; shrubland; mountain beech/tawai forest.</p> <p>Main Plant Species: Broadleaved snow tussock, snow t tara, Dracophyllum uniflorum, slim snow tussock; intertussock species including browntop, sweet vernal, clover, catsear fescue tussock, silver tussock/w ; Brachyglottis cassiniodes; mountain beech/tawai.</p> <p>Notable Fauna: Not known.</p> <p>Threatened Species: None recorded.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wild animals, possible stock intrusion along bush edge.</p> <p>Plant Threats: Nothing significant.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Finalise land transfer and easement transactions, reassess whole Puketeraki Range protected land.</p> <p>Priorities: Complete land transfer and easement transactions. Assess appropriate protective status for area.</p>	

LAND UNIT: L34001	NAME: LAKE GRASMERE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2410452 5793282 Legal Description : LOT 10 DP 21924 Survey Blk & District : I GRASMERE	CMS Map # : 4 Area : 12.0899 ha Ecological District : Cass Area Office : Waimakariri District Council : Selwyn District Council
DESCRIPTION <u>General:</u> Mountain beech/tawai forest remnant on glacially carved hillslope, adjacent to Lake Grasmere. <u>Location:</u> Near Cass settlement, off State Highway 73, inland Canterbury. <u>Main Ecosystems:</u> Mountain beech forest/tawai; <u>Main Plant Species:</u> <u>Notable Fauna:</u> <u>Threatened Species:</u> <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> <u>Visitor Use:</u> Nil <u>Facilities:</u> Nil <u>Other Features:</u>	
THREATS To Ecological Features: <u>Animal Threats:</u> Stock trespass <u>Plant Threats:</u> Broom and gorse Other: Fire?	
MANAGEMENT Issues: Maintain integrity of beech forest community. Priorities: Control stock trespass, assess weed threat.	

LAND UNIT: L34002	NAME: LAKE GRASMERE RECREATION RESERVE AND WILDLIFE REFUGE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? :Y Grid Reference : 2409967 5793384 Legal Description : LOT 1 DP 27368 Survey Blk & District : I GRASMERE	CMS Map # : 4 Area : 70.1851 ha Ecological District : Craigieburn Area Office : Waimakariri District Council : Selwyn District Council
DESCRIPTION <p>General: Glacially carved, oblong lake (15m deep) bounded by irrigated alluvial flats, pasture on fan and moraine deposits, and a rocky beech forest covered hillslope on north east margin.</p> <p>Location: Cass Basin, near State Highway 73, inland Canterbury.</p> <p>Main Ecosystems: Lake margin swampland; open water in lake (most of which is outside the reserve); narrow lakeshore turfland (minor).</p> <p>Main Plant Species: Introduced aquatic plants, especially <i>Elodea canadensis</i> and <i>Ranunculus</i> sp also <i>Myriophyllum propinquum</i>; lakeshore vegetation includes flax/harakeke, <i>Carex secta</i> and <i>Schoenus pauciflorus</i>.</p> <p>Notable Fauna: Crested grebe/k mana, New Zealand scaup, large numbers of grey duck/p rea and paradise shelduck/p takitaki, grey teal/tete, black shag/k au, little shag/k au. Marsh crake in nearby swampland.</p> <p>Threatened Species: Crested grebe/k mana (O), NZ scaup (listed but no ranking).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural:</p> <p>Visitor Use: Fishing, picnicking, camping</p> <p>Facilities: 1 toilet</p> <p>Other Features: Meets RAMSAR convention criteria as a wetland of international importance for waterfowl. Site of scientific research into lake sediments and microfauna.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock have access to parts of the lakeshore.</p> <p>Plant Threats: Potential for willow spread, broom, gorse.</p> <p>Other: Short term disturbance of waterfowl by cull operations, nutrient enrichment from farm runoff and waterfowl excreta.</p>	
MANAGEMENT <p>Issues: Stock control Canada goose management activities require monitoring for affects on indigenous species; water quality; Current status and limited size of reserve do not protect wildlife habitat of adjacent swamplands.</p> <p>Priorities: Stock control on land adjoining lake, weed control, permit - fish and game council in control of Canada Geese, maintain bird habitat.</p>	

LAND UNIT: L34017	NAME: BROKEN RIVER FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2415814 5776274 Legal Description : RS 3290,3291,3292 Survey Blk & District : XIV,XV GRASMERE II KOWAI	CMS Map # : 4 Area : 1060.6810 ha Ecological District : Torlesse Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Dry dissected forest remnants on N slopes of Torlesse Range. Area includes large exposures of tertiary rocks. Site of an abandoned coal mine and associated relics.</p> <p>Location: SE of Castle Hill Basin/Kura T whiti, inland Canterbury. True right of Broken River.</p> <p>Main Ecosystems: Mountain beech/tawai forest, k nuka forest and scrub on tertiary sediments.</p> <p>Main Plant Species: Mountain beech/tawai, k nuka, m nuka, <i>Corokia cotoneaster</i>, porcupine scrub, <i>Coprosma propinqua</i>, <i>Gaultheria antipoda</i>, <i>Rubus schmidelioides</i>, <i>Polystichum vestitum</i>.</p> <p>Notable Fauna: kea, k re rea</p> <p>Threatened Species: kea, k re rea</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Broken River coal mines, incline and mining relics. The main incline is on adjacent pastoral land.</p> <p>Visitor Use: Tramping, hunting</p> <p>Facilities:</p> <p>Other Features: Includes large spectacular exposure of tertiary sediments with complex faulting. Part included in Cass RAP - Landsdowne Spur. Within Forest and Bird's Torlesse Conservation Park proposal. Old coal mine site.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: High wasp numbers in summer, feral sheep, pig.</p> <p>Plant Threats: Briar, wilding trees, broom.</p> <p>Other: Fire - a flammable site.</p>	
MANAGEMENT <p>Issues: Historic site management, assess impacts arising from adjacent pastoral land, monitor hunter use, possible establishment of Torlesse Conservation Park.</p> <p>Priorities: Establish Torlesse Conservation Park</p>	

LAND UNIT: L34018	NAME: TORLESSE FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2420398 5772490 Legal Description : PT RES 3116 RS 40947 LOTS 2,3 DP 42562 LOT 9 DP 42565 LOT 10 DP 42566 LOT 11 DP 42567 Survey Blk & District : XV,XVI GRASMERE II,III,IV,VI,VII KOWAI XV,XVI GRASMERE II,III,VI,VII KOWAI XV,XVI GRASMERE II,III,IV,VI,VII KOWAI XV,XVI GRASMERE	CMS Map # : 4 Area : 3122.9838 ha Ecological District : Torlesse Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Steep to very steep, eroded mountain slopes with screes, small cirque basins and even, flat-topped ridge crests, in montane mountain beech/tawai forest along lower valleys, tussock grasslands and sub-alpine shrublands.</p> <p>Location: E side of Torlesse Range, NW of Springfield.</p> <p>Main Ecosystems: Montane, dryish mountain beech/tawai forest; snow tussock grassland; sub-alpine and montane shrubland; scree vegetation; alpine herbfield.</p> <p>Main Plant Species: Mountain beech/tawai, putaputaweta, weeping m tipo, pepper tree, <i>Coprosma</i> spp./karam ; slim snow tussock, <i>Celmisia</i> spp., <i>Aciphylla</i> spp., snowberry, blue tussock; <i>Dracophyllum acaesum</i>, <i>Corokia contoneaster</i>, mountain wineberry; <i>Ranunculus haastii</i>, penwiper, scree lobelia, <i>Leptinella atrata</i>; <i>Anisotome pilifera</i>, South Island edelweiss, vegetable sheep.</p> <p>Notable Fauna: <i>Celatoblatta montana</i> (scree cockroach), w t , <i>Deinacnida connectens</i>, black mountain ringlet butterfly (common here), kea, k re rea/NZ falcon, black shag/k au, banded dotterel/pohowera, paradise shelduck/p takitaki, NZ pipit/p hoihoi, rifleman/t tipounamu, tomtit/miromiro, brown creeper.</p> <p>Threatened Species: Kea (B), k re rea (B), banded dotterel/pohowera (C). <i>Peraxilla tetrapetala</i> (B;IUCN-V); <i>Senecio dunedinensis</i> (I;IUCN-I).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low - medium</p> <p>Facilities: Nil</p> <p>Other Features: <i>Sigaus australis</i> (alpine grasshopper) at its northern distribution limit here. At least 27 plant taxa have type locality within area or in vicinity.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Chamois, pigs, possums, red deer, hare, domestic stock, fire</p> <p>Plant Threats: <i>Hieracium</i> spp., broom, wildings.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Torlesse Conservation Park proposal; recreation opportunities; fire control; wilding pine control.</p> <p>Priorities: Control of wilding trees. Assess and implement appropriate protective status for area..</p>	

LAND UNIT: L34029	NAME: OXFORD CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2430264 5776628 Legal Description : RES 3274, 4619, 4699, 3957, SO 17128 PT RES 3547 SO 17128 PT RS 26115 SO 17128 PT SEC 21 PT LOT 2 DP 26964 Survey Blk & District : VIII, XII, XVI, GRASMERE IV, KOWAI I, II, III, V, OXFORD V, IX, X, XIII, XIV, UPPER ASHLEY IX, X, XIII, XIV, UPPER ASHLEY I OXFORD	CMS Map # : 4 Area : 11351.2860 ha Ecological District : Torlesse Area Office : Waimakariri District Council : Selwyn
DESCRIPTION <p>General: Rolling hill country to moderately steep mountainland dissected by branched catchments of Townshend River, Salmon Creek, Shifton Stream and Eyre River tributaries. Beech forest is predominant vegetative cover. Includes part of Waimakariri Gorge forests.</p> <p>Location: SE end of Puketeraki Range, between Upper Waimakariri River Gorge and foothills NW of Oxford.</p> <p>Main Ecosystems: Mountain and black beech/tawai forest on hillslopes (dominant); beech podocarp forest, red beech forest and southern r t shrub forest on bluffs (all patches within main beech forest); sub alpine shrubland (minor); mixed hardwood forest on sunny gorge wall sites.</p> <p>Main Plant Species: Mountain beech/tawai, black beech/tawai, broadleaf/k puka, wineberry, fuchsia/k tukutuku, putaputaweta, p k k , Hall's t tara, <i>Coprosma</i> spp/karam ., <i>Cyathodes juniperina</i>, weeping m pou; red beech/tawai; rimu, mata , kahikatea, miro (less common); southern r t ; <i>Dracophyllum</i> spp.; snow t tara; k nuka.</p> <p>Notable Fauna: Kea, k re rea, tomtit/miromiro, brown creeper, land snails recorded from Coopers Creek (unidentified), yellow-crowned k k riki, pekapeka, Kerer .</p> <p>Threatened Species: ANIMALS: Kea (B), k re rea (B), yellow-crowned k k riki (C). PLANTS: <i>Helichrysum dimorphum</i> (A) - a few plants in Waimakariri Gorge.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Has logging relics. Rydefall bush tramway. Whardale Track an historic route.</p> <p>Visitor Use: High</p> <p>Facilities: 1 six bunk hut, 2 bivvies, 2 x 12 bunk hunts</p> <p>Other Features: - NW margin along true L of part Waimakariri Gorge is included in Cass RAP 5 - Waimakariri Gorge. Impressive forest. - Included in the Oxford Recreational Hunting Area. - Wasps prevalent.</p>	
THREATS To Ecological Features: Animal Threats: Deer (low-moderate numbers), pig, chamois (low); wasps, wild sheep. Plant Threats: Gorse, broom. Other: Fire, especially on dry sunny slopes near Waimakariri River.	
MANAGEMENT Issues: Recreation management; fire control, wasps, wild animal management in association with RHA. Priorities: Goat control on adjoining properties. Fire control Ongoing inspection and maintenance of recreational facilities. Effective management of RHA. Periodic wasp control as necessary.	

LAND UNIT: L34038	NAME: MT.THOMAS FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2453920 5784827 Legal Description : PT RS 40619 PT LOT 2 DP 27442 PT RS 36715,41437 PT LOT 2 DP 27443 PT RS 36715 SO 17136 RS 42243 LOT 1 DP 40290 RES 3231 SO 17128 RES 4570 SO 17128 RS 40016,41497,41510,41511 SO 17136 RS 42049,42050,42051,42052 Survey Blk & District : XI MOUNT THOMAS XI MOUNT THOMAS XIV MOUNT THOMAS XIV MOUNT THOMAS X,XI,XIII,XIV MOUNT THOMAS XIV MOUNT THOMAS XIII MOUNT THOMAS	CMS Map # : 4 Area : 10813.6488 ha Ecological District : Oxford Area Office : Waimakariri District Council : Waimakariri
DESCRIPTION <p>General: Extensive area of largely intact upper-lowland to montane beech forest with some podocarps on steepish to very steep dissected hillslopes, summit ridges, spurs and gullies.</p> <p>Location: c.20km NNW of Oxford, North Canterbury.</p> <p>Main Ecosystems: Mountain beech/tawai forest; podocarp-mixed beech forest; lowland scrubland; subalpine scrubland.</p> <p>Main Plant Species: Mountain beech/tawai, broadleaf/k puka, putaputaweta, lancewood/horoeka, p k k , thin-bark t tara, mingimingi; red and mountain beech/tawai, rimu, mata , kahikatea, miro, weeping m tipo, crown fern; putaputaweta, broadleaf/k puka, fuchsia/k tukutuku; <i>Dracophyllum</i> spp., m nuka, snow t tara.</p> <p>Notable Fauna: Brown creeper, rifleman/t tipouamu, robin/kakaruai, tomtit/miromiro, bellbird/k parapara or korimako, kerer , morepork/ruru koukou, k re rea/NZ falcon, NZ pipit/p hoihoi, yellow-crowned k k riki.</p> <p>Threatened Species: ANIMALS: Kerer (B), k re rea (B), yellow-crowned k k riki (C). PLANTS: <i>Peraxilla tetrapetala</i> (B;IUCN-V)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Blownard and Richardson's old stock route into Lees Valley</p> <p>Visitor Use: High</p> <p>Facilities: 1 ten bunk hut, bivvie</p> <p>Other Features: Presence of small numbers of miro is of some significance in Canterbury. Area abuts a Geopreservation Site: Bullock Creek Debris Flow. Area part of Oxford Recreational Hunting Area.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Red deer, chamois (uncommon), possums, pigs, hares, domestic stock, wasps.</p> <p>Plant Threats: Old man's beard, gorse and broom in open tussock area</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire control; wasps; wild animal control, esp. possums and red deer.</p> <p>Priorities:</p> <p>Maintain recreation facilities. Weed control. Determine legal status</p>	

LAND UNIT: L35003	NAME: VIEW HILL SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2434415 5769719 Legal Description : RES 4703 RES 4935 LOT 1 DP 19324 LOT 1 DP 28764 Survey Blk & District : VI OXFORD VI OXFORD VI OXFORD	CMS Map # : 8 Area : 31.5577 ha Ecological District : Oxford Area Office : Waimakariri District Council : Waimakariri
DESCRIPTION <p>General: Small patch of lowland mountain beech/tawai-podocarp forest with abundant rimu on moderately steep, SE-facing hillslopes in a shallow valley.</p> <p>Location: c.10km WNW of Oxford, North Canterbury.</p> <p>Main Ecosystems: Beech-podocarp forest; m nuka scrubland.</p> <p>Main Plant Species: Mountain beech/tawai, rimu (predominant podocarp), mata , kahikatea, p k k , <i>Coprosma</i> spp./karam ; m nuka, <i>Celmisia gracilis</i>, lowland flax/harakeke, <i>Bulbinella angustifolia</i>, orchid spp., introduced pasture grasses, esp. browntop.</p> <p>Notable Fauna: Tomtit/miromiro, bellbird/k parapara or korimako, kerer .</p> <p>Threatened Species: ANIMALS: Kerer (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Old cob cottage site.</p> <p>Visitor Use: Low</p> <p>Facilities: Boundary fence</p> <p>Other Features: Type locality for orchid <i>Thelymitra hutchii</i>. Open scrub important for diversity of orchid species. Area has scattered miro, not common in Canterbury. One of few reserves on particular soil type (podzol on sandstone).</p>	
THREATS To Ecological Features: Animal Threats: Possums (high) Plant Threats: Broom, pines. Other: Fire.	
MANAGEMENT Issues: Fire control; possum control; maintenance of open scrub communities for orchid habitat; extending boundary to include all bush and scrub in immediate vicinity. Priorities: Boundary fencing. Control wilding pines. Management of orchid habitat.	

LAND UNIT: L35092	NAME: EYREWELL SCIENTIFIC RES.
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? :Y Grid Reference : 2444724 5757971 Legal Description : LOT 1 DP 29154 Survey Blk & District : XVI OXFORD	CMS Map # : 8 Area : 2.3350 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Waimakariri
DESCRIPTION <p>General: K nuka low forest/shrubland remnant on stony drought-prone Lismore yellow grey earths on the Canterbury Plains.</p> <p>Location: Near NW corner of Eyrewell pine forest, N of the Waimakariri River.</p> <p>Main Ecosystems: Mosaic of dense k nuka woodland groves and sheltered clearings of moss grassland; grassland.</p> <p>Main Plant Species: K nuka, <i>Cyathodes juniperinum</i>, woolly moss, <i>Hypnum cupressiforme</i>, <i>Carmichaelia robusta</i>; <i>Rytidosperma clavata</i>, introduced grasses, <i>Pyrrhanthera exigua</i>, <i>Elymus</i>spp., fescue tussock, silver tussock/wi.</p> <p>Notable Fauna: Limited data. Tomtit/miromiro recorded in 1972, grey warbler/riroriro, fantail/p wakawaka.</p> <p>Threatened Species: Unknown</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Boundary fence</p> <p>Other Features: - One of few samples of undisturbed Lismore yellow grey earth soils, an extensive group on the Canterbury Plains. - The shrub, <i>Pomaderris phyllicifolia</i> var. <i>ericifolia</i>, recorded in the reserve and nearby sites is at its southern limit. It is usually found in the N of the North Island. - Includes species previously widespread on the Canterbury Plains, but now rare. e.g. <i>Senecio bellidioides</i>, <i>Deyeuxia avenoides</i>, and species more common in mountain areas, e.g. <i>Stackhousia minima</i>, <i>Raoulia subsericea</i>.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits.</p> <p>Plant Threats: Broom, wilding pine (potential threat), gorse.</p> <p>Other: Fire, a serious risk because of dryness of the Eyrewell locality and Lismore soil sites, and the proximity of Eyrewell pine forest.</p>	
MANAGEMENT <p>Issues: Maintenance of undisturbed conditions, e.g. no irrigation, weed control; fire and rabbit control.</p> <p>Priorities: Weed and rabbit control</p>	

LAND UNIT: L35140	NAME: HOODS BUSH SCENIC RES
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2413995 5747697 Legal Description : RES 3297 Survey Blk & District : VI HORORATA	CMS Map # : 8 Area : 6.2726 ha Ecological District : Whitecliffs Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Moderately sloping volcanic hillslopes above a stable stream, with small area of mountain beech/tawai forest.</p> <p>Location: 10km W of Glentunnel S of Springfield.</p> <p>Main Ecosystems: Mountain beech/tawai forest; pasture with silver tussock/w and shrubs.</p> <p>Main Plant Species: Mountain beech/tawai, wineberry, marble leaf, mingimingi, <i>Coprosma</i> spp/karam ; brown top, silver tussock/w , flax/harakeke, <i>Coprosma</i> spp/karam .</p> <p>Notable Fauna: Bellbirds/k parapara or korimako (extraordinarily abundant), rifleman/t tipounamu.</p> <p>Threatened Species:</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Walking, Low</p> <p>Facilities: Nil</p> <p>Other Features: Local region contains interesting range of geologies, including mesozoic volcanics (rhyolites).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wasps; cattle browse.</p> <p>Plant Threats: Himalayn honeysuckle, gorse, wilding trees.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Stock access; joining crown reserve with covenanted area.</p> <p>Priorities: Stock exclusion</p>	

LAND UNIT: L35243	NAME: LORDS BUSH SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2423395 5767775 Legal Description : LOT 1 DP 50680 Survey Blk & District : VIII KOWAI	CMS Map # : 8 Area : 11.7800 ha Ecological District : Whitecliffs Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Impressive lowland beech-podocarp hardwood forest remnant on the High Plains. Surrounded by arable farmland and small areas of scattered native trees.</p> <p>Location: N of Springfield near true R of Waimakariri Gorge mouth, and toe of Torlesse Range.</p> <p>Main Ecosystems: Beech-podocarp-hardwood forest on gently sloping alluvial plain.</p> <p>Main Plant Species: Black beech/tawai, kahikatea, mata (occasional), <i>Coprosma "violaceae"</i>, horopito, <i>Neomyrtus pedunculatus</i>, <i>Lophomyrtus obcordata</i>, <i>Coprosma propinqua</i>, various <i>Coprosma</i> spp., weeping m pou, <i>Parsonsia heterophylla</i>, bush layer <i>Rubus</i> spp.</p> <p>Notable Fauna: Kerer recorded in past - Not confirmed recently.</p> <p>Threatened Species: PLANTS: <i>Alepis flavida</i> (a mistletoe), <i>Coprosma "violaceae"</i> (A); kerer (B) (needs confirmation)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Nil</p> <p>Visitor Use: Low</p> <p>Facilities: Boundary fence, interpretation signage.</p> <p>Other Features: Also has several plant species which are rarely recorded on the Canterbury Plains. e.g. <i>Korthalsella clavata</i>, <i>Uncinia distans</i>, <i>Hymenophyllum multifidum</i>, and 2 <i>Blechnum</i> spp.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Possums.</p> <p>Plant Threats: Gorse, blackberry - possibly have protective functions, broom.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Weed control, inspections at regular intervals. Possible disposal of one hectare of pasture.</p> <p>Priorities: Undertake weed control for boundary responsibilities</p>	

LAND UNIT: L36171 (also includes part L 36182)	NAME: RAKAIA RIVERBED (NEAR STATE HIGHWAY 1) (PART)
ADMINISTRATION Legal Status : Government Purpose Reserve; GOVERNMENT PURPOSE RAILWAY RESERVE Reserve Classified ? : N Grid Reference : 2430535 5718937 Legal Description : RES 1723 Survey Blk & District : XII SELWYN	CMS Map # : 8 Area : .838.3171 ha Ecological District : Low Plains Area Office : Raukapuka District Council : Ashburton
DESCRIPTION <p>General: Braided riverbed on the Canterbury Plains. Stable areas have a mosaic of gorse, broom and shrub lupin with small patches of native dryland. Open riverbed is valuable bird habitat, an excellent example of a braided river ecosystem and a valued recreation area.</p> <p>Location: Adjacent to SH1 at Rakaia River bridge, mid Canterbury.</p> <p>Main Ecosystems: Braided river channels, exotic shrublands with scattered native dryland patches on stable areas.</p> <p>Main Plant Species: Gorse, broom, shrub, lupin, introduced grasses, <i>Rytidosperma clavatum</i> (a native grass), <i>Muehlenbeckia axillaris</i>, <i>Leucopogon frazeri</i>, k whai, mosses and lichens.</p> <p>Notable Fauna: No site specific data available. Notable birds of lower Rakaia are banded dotterel/pohowera, wrybill/ngutupare, black-fronted tern/tarapirohe, black-billed gull. Introduced salmon valued for recreational fishing.</p> <p>Threatened Species: Banded dotterel/pohowera (C), black-fronted tern/tarapirohe (B), wrybill/ngutupare (b)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No data</p> <p>Visitor Use: Low, fishermen, ornithologically interested groups.</p> <p>Facilities: Nil</p> <p>Other Features: Flow regime protected under Rakaia Water Conservation Order. Geopreservation site upstream of SH1 bridge - excellent example of the internationally uncommon braided river landform. Rakaia braided river system is of outstanding wildlife habitat value and is part of a wetland complex of international importance under RAMSAR convention.</p>	
THREATS To Ecological Features: <p>Animal Threats: Rabbits, stock, possum</p> <p>Plant Threats: Gorse, broom, shrub lupins extensive. Old Man's Beard present on south bank.</p> <p>Other: Fire</p>	
MANAGEMENT Issues: Rabbit and weed control (statutory obligations). Priorities: Weed and animal control, land status review, habitat/species assessment, nasella control.	

LAND UNIT: L36188 (also includes part L 36182)	NAME: RAKAIA RIVERBED (PART)
ADMINISTRATION Legal Status : Local Purpose Soil Conservation Reserve Reserve Classified ? : N Grid Reference : 2434071 5717002 Legal Description : RES 1922 Survey Blk & District : XIV SELWYN	CMS Map # : 8 Area : .257.3800 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Braided riverbed on the Canterbury Plains. Bare silt shingle and shallow water in active channels, mosaic of introduced shrub and herb species on stable islands.</p> <p>Location: Adjacent to SH1 at Rakaia Bridge, Mid Canterbury. (Parts also within Raukapuka Area Office - See L36171).</p> <p>Main Ecosystems: Braided river channels, exotic shrublands with scattered native dryland patches on stable areas.</p> <p>Main Plant Species: Gorse, broom, shrub lupin, introduced grasses, <i>Rytidosperma clavatum</i>, <i>Muehlenbeckia axillaris</i>, <i>Leucopogon frazeri</i>, k whai, various mosses and lichens.</p> <p>Notable Fauna: No site specific data available. Notable birds of lower Rakaia are banded dotterel/pohowera, wrybill/ngutupare, black-fronted tern/tarapirohe, black billed gull. Introduced salmon valued for recreational fishing.</p> <p>Threatened Species: Banded dotterel/pohowera (C), black-fronted tern/tarapirohe (B), wrybill/ngutupare (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low, fishing, boating, shooting, 4WD.</p> <p>Facilities: Nil</p> <p>Other Features: Flow regime protected under Rakaia Water Conservation Order. Geopreservation site upstream of SH1 bridge - excellent example of the internationally uncommon braided river landform. Rakaia braided river system is of outstanding wildlife habitat value and is part of a wetland complex of international importance under RAMSAR convention.</p>	
THREATS To Ecological Features: Animal Threats: Plant Threats: Gorse, broom, shrub lupins extensive. Old Man's beard present on south bank. Other: Fire	
MANAGEMENT Issues: Rabbit and weed control (statutory obligations). Priorities: Advocacy on values of braided rivers for wildlife	

LAND UNIT: L36193	NAME: BANKSIDE SCIENTIFIC RES
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? :Y Grid Reference : 2442331 5719402 Legal Description : LOT 1 DP 28114 Survey Blk & District : XV SELWYN	CMS Map # : 8 Area : 2.6635 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Small remnant of once-extensive k nuka shrubland on the Low Plains, found on stony, well drained recent soils.</p> <p>Location: E of SH1, between the Rakaia and Selwyn Rivers/Waikirikiri, mid Canterbury.</p> <p>Main Ecosystems: Mosaic of K nuka shrubland and open patches of moss grassland; grassland with scattered native species.</p> <p>Main Plant Species: K nuka, woolly moss, <i>Leucopogon frazeri</i>, <i>Dichondra brevifolia</i>, <i>Hypnum cupressiforme</i> (moss), <i>Polytrichum juniperinum</i> (moss), <i>Gnaphalium audax</i>; <i>Leptinella</i> sp.; <i>Rytidosperma</i> sp., introduced grasses, <i>Carmichaelia robusta</i>, matagouri.</p> <p>Notable Fauna: <i>Muehlenbeckia ephedroides</i> (IUCN-L) not seen in 1993.</p> <p>Threatened Species: None, but several plant species are now rarely found on the Canterbury Plains because of almost total removal of indigenous cover.</p> <p>Landscape: Significant k nuka remnant on Canterbury Plains.</p> <p>Historic/Cultural: Vegetation preservation of historic significance.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Protects an area of undisturbed Eyre-Paparua recent soils, an extensive soil group near rivers on Plains.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits and hares.</p> <p>Plant Threats: Risk of gorse. Well controlled on adjacent land.</p> <p>Other: Fire, vulnerable because of small size and nature of the vegetative cover; spray drift.</p>	
MANAGEMENT <p>Issues: Rabbit control, fire, fence maintenance, advocacy of protection of nearby remnants to increase chances of survival of this community.</p> <p>Priorities: Extension of protection to nearby remnants. Fence maintenance. Rabbit/hare control.</p>	

LAND UNIT: L36208 (also includes part L 37014, L37010, L37019)	NAME: RAKAIA RIVERBED AND ISLAND (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2438579 5712213 Legal Description : CROWN LAND; RES 2859 Survey Blk & District : II, IV, V HURST	CMS Map # : 8, 12 Area : 126.2310. ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: 3 areas on Rakaia Island and one on true left bank of Rakaia River. Recent semi-stable alluvium which in some parts is likely to be eroded by the river as channel patterns alter. Main area (L36208) is at the upstream tip of Rakaia Island, a small part of an impressive forest remnant.</p> <p>Location: Lower Rakaia River floodplain, east of SH1.</p> <p>Main Ecosystems: Braided riverbed, exotic shrubland (weedland) on riverbed and banks; dry grassland with scattered native trees; small area of k nuka forest (on L36208).</p> <p>Main Plant Species: Broom, forse, willow; <i>Rytidosperma clavatum</i>, introduced pasture grasses, scattered k nuka and k whai, <i>Leucopogon frazeri</i>, <i>Muehlenbeckia axillaris</i>, k nuka, k whai, k h h , ti/t k uka/t r kau, <i>Muehlenbeckia australis</i>, <i>Asplenium</i> and <i>Blechnum</i> ferns.</p> <p>Notable Fauna: Braided riverbed bird species.</p> <p>Threatened Species: Wrybills/ngutupare (B), banded dotterel/pohowera (C), black-fronted tern/tarapirohe (B).</p> <p>Landscape: Is regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: The best area of k nuka forest on the upstream end of Rakaia Island is fenced and protected by the Regional Council. River erosion threatens the western edge of the forest.</p>	
THREATS To Ecological Features: <p>Animal Threats: Impact of grazing unknown. Rabbits</p> <p>Plant Threats: Gorse, broom, willow, nassella</p> <p>Other: Cultivation prevents regeneration of native tree species, fire, natural erosion by the river.</p>	
MANAGEMENT <p>Issues: Fire control, grazing right negotiations, ongoing liaison among leasees, Regional Council and DOC.</p> <p>Priorities: Advocacy on values of braided rivers for wildlife. Rabbit and weed control.</p>	

LAND UNIT: M31002	NAME: LAKE TENNYSON SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2487609 5890001 Legal Description : RES 4222 Survey Blk & District : VIII MALING	CMS Map # : 1 Area : 237.5000 ha Ecological District : Balaclava Area Office : North Canterbury District Council : Hurunui lectcon
DESCRIPTION <p>General: Large accessible moraine dammed lake in a formerly glaciated valley near Clarence River headwaters. Reserved consists of lake bed and non DOC legal road strip around lake. Surrounded by beech remnants, tussock matagouri; and moraine ridge wetlands.</p> <p>Location: 45Km NW of Hamner, within a large tract of pastoral high country.</p> <p>Main Ecosystems: Deep water and marginal ecosystem; gravel lake shore herbfield.</p> <p>Main Plant Species: Aquatic vegetation includes <i>Isoetes kirkii</i>, and <i>Myriophyllum propinquum</i>, shoreline herbs include <i>Parahebe decora</i>, <i>P. lyaeli</i>, <i>Acaena inermis</i>, <i>Coriaria</i> sp, <i>Gunnera monoica</i>, <i>Carex coriacea</i>, <i>Leptinella dioica</i>.</p> <p>Notable Fauna: Banded dotterel/pohowera, crested grebe/k mana, NZ scaup, black-fronted tern/tarapirohe (occasional), paradise duck/p takitaki (common)</p> <p>Threatened Species: banded dotterel/pohowera (C), crested grebe/k mana (A) (occasional), black-fronted tern/tarapirohe (B) - (more commonly found on riverbeds), <i>Gunnera densiflora</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Day visitors, tramping, fishing</p> <p>Facilities: Toilet</p> <p>Other Features: Unusual dry lake margin herbfield occurs on legal road near outlet. Lake Tennyson moraines are a geopreservation site of regional importance. Included in Balaclava RAP22 - Tennyson - fully documented. Unprotected surrounding land includes communities with high scientific interest and at least two threatened species (see Courtney and Arand 1994) An area of very high conservation value. High scenic and landscape values. Type locality of rare <i>Gunnera densiflora</i>. Uncommon aquatic fern <i>Pilularia novae-zelandiae</i> present.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock trampling of margins</p> <p>Plant Threats: Potential for invasion of introduced water-weeds and willows.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Minimise risk of weed spread by boat owners, monitor lakeshore weed spread, negotiate possible protection of surrounding RAP. Reintroduction of raup</p> <p>Priorities: Monitor water weeds.</p>	

LAND UNIT: M31003	NAME: LAKE GUYON SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2480965 5879686 Legal Description : RES 4223 Survey Blk & District : XIV,XV MALING	CMS Map # : 1 Area : 65.5300 ha Ecological District : Balaclava Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Remote high country lake (24m deep) in a formerly glaciated valley surrounded by steep mountainsides clad in a fire induced mosaic of beech forest and shrublands. Reserve is the lake only.</p> <p>Location: 35km NW of Hanmer and 14km SW of Lake Tennyson in Upper Waiau catchment.</p> <p>Main Ecosystems: Aquatic ecosystem (deep water and attached vegetation habitats); gravel lakeshore herbfields.</p> <p>Main Plant Species: <i>Chara australis</i> (algae), <i>Myriophyllum propinquum</i>, <i>Potamogeton cheesemanii</i>, <i>Ranunculus trichophyllus</i>; <i>Isoetes alpinus</i>.</p> <p>Notable Fauna: NZ scaup, banded dotterel/pohowera, paradise duck/p takitaki (common). Heavy use by Canada geese.</p> <p>Threatened Species: Banded dotterel/pohowera (C) (not a stronghold), <i>Gunnera desiflora</i> (IUCN-L), Crested Grebe/k mana</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Site of Lake Guyon Homestead, yards and sheep dip on adjacent freehold</p> <p>Visitor Use: Fishing, tramping</p> <p>Facilities: 1 four bunk hut. on adjacent freehold</p> <p>Other Features: Type locality for <i>Isoetes alpinus</i>. A small part of Balaclava RAP 12 - Guyon - Stanley, a large area of mountain land with high conservation values. Notable plant communities on adjacent lands.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock.</p> <p>Plant Threats: Potential introduction of waterweeds. Willows</p> <p>Other: Top dressing run off and/or run off from pastures</p>	
MANAGEMENT <p>Issues: Past concerns from landowner about large goose population. Impacts of landuse on nature conservation and landscape value. Public access problems in past. Removal of willows.</p> <p>Priorities: Monitor for willow regeneration.</p>	

LAND UNIT: M31004 (also includes M31005, M31009)	NAME: LEWIS PASS SCENIC RESERVE (NATIONAL RESERVE) AND CONSERVATION AREA
ADMINISTRATION Legal Status : Scenic Reserve/ National Reserve Section 62, Conservation Act Reserve Classified ? :Y Grid Reference : 2458140 5857788 Legal Description : RS 41857 SO 18806 RS 41042, 41043, 41045; PT RUN 233A SO 17133 Survey Blk & District : VI,VII,X,XI,XIV,XV BOYLE II,III SKIDDAW	CMS Map # : 1 Area : 6013.5000 ha Ecological District : Lewis Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Gently sloping to steep and very steep hill and mountain slopes along the Lewis River with montane to sub-alpine beech forests and some riverbed vegetation.</p> <p>Location: Along the Lewis River to Lewis Pass (and beyond, but out of conservancy), W of Hanmer Springs.</p> <p>Main Ecosystems: Beech forest (over 90% of area); river flats with boggy areas, introduced rough pasture; shrublands and river-bed herbfields; sub-alpine scrub.</p> <p>Main Plant Species: Red beech/tawai, silver beech/tawai, mountain beech/tawai, mountain toatoa, p k k , broadleaf/k puka, mountain ribbonwood/houhi; <i>Sphagnum</i> sp., <i>Cavex</i> spp., bog pine, <i>Oreobolus strictus</i>, pasture species, <i>Oleavia virgata</i>, <i>Coprosma rugosa</i>, <i>Muehlenbeckia axillaris</i>, <i>Raoulia</i> spp.; <i>Dracophyllum uniflorum</i>, snow t tara, <i>Coprosma pseudocuneata</i></p> <p>Notable Fauna: Brown creeper, robin/kakaruai (abundant), black-billed gull, kea, pipit/p hoihoi, rifleman/t titipounamu, black shag/k au, black-fronted tern/tarapirohe, great spotted kiwi/roaroa, geckos/<i>Heteropholis</i> sp. and <i>Hoplodactylus granulatus</i>, common and green-backed skink/mokomokos, k k ?, yellow-crowned k k riki, blue duck/k whiowhio</p> <p>Threatened Species: Kea (B), Great spotted kiwi/roaroa (B), K k ? (B), yellow-crowned k k riki (C), blue duck/k whiowhio (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Includes sites of cultural importance. Part of Rolleston track, an old droving road remain (M31 605680)</p> <p>Visitor Use: Day visitors, tramping, recreational hunting</p> <p>Facilities: Toilets, walking tracks</p> <p>Other Features: Area has Geopreservation Site: Lewis River Springs, hot springs along the Lewis River. Very high scenic values. Joint Canterbury/West Coast Conservancy management.</p>	
THREATS To Ecological Features: <p>Animal Threats:Red deer, possums. Rabbits in riverbeds</p> <p>Plant Threats: No major weeds, except pasture spp. on river flats, broom in Lewis riverbed.</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Ecological survey would be useful; red deer control.</p> <p>Inadequate flood gate on southern boundary fence. Possible additions and rationalisation of reserve boundaries.</p> <p>Priorities: Broom control in Lewis riverbed. Ecological assessment. Monitor impacts of deer. Fire control Rabbit control</p>	

LAND UNIT: M32002	NAME: NINA - DOUBTFUL RIVERS CONSERVATION AREAS
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2452804 5852826 Legal Description : RS 41046,41855,41858,41856 Survey Blk & District : IX,X,XIII,XIV BOYLE I,II SKIDDAW	CMS Map # : 1 Area : 2956.0000 ha Ecological District : Lewis Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Forested mountain slopes and valleys in a formerly glaciated region. Extensive beech forest on steep sideslopes and parts of Nina River valley floor. Open tops and Doubtful River flats excluded.</p> <p>Location: 2 blocks, 1 on true L lower Doubtful River and slopes N of Boyle-Doubtful confluence, 1 in mid reaches of Nina River. Both abut National Reserve and Forest Park.</p> <p>Main Ecosystems: Beech forest/tawai.</p> <p>Main Plant Species: Mountain, red and silver beech/tawai, <i>Coprosma</i> spp, Kaikawaka present in this valley (very limited site specific data)</p> <p>Notable Fauna: Kea, blue duck/k whiowhio, k k , S.I. robin/kakaruai, yellow crowned k k riki, insufficient data available - possibly great spotted kiwi/roroa.</p> <p>Threatened Species: K k (B), yellow crowned kakariki (C), blue duck/k whiowhio (B) , great spotted kiwi/roroa ? (B), Kea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Pack track to West Coast</p> <p>Visitor Use: Tramping and recreational hunting</p> <p>Facilities: Tramping track</p> <p>Other Features: No data.</p>	
THREATS To Ecological Features: <p>Animal Threats: Wild animals (red deer, possum)</p> <p>Plant Threats: No major weed pests.</p> <p>Other: Fire on grass flats of riverbed.</p>	
MANAGEMENT <p>Issues: Integrated management with surrounding DOC lands, animal control, ecological survey, weed control.</p> <p>Priorities: Control gorse/broom at Boyle - Doubtful Rivers confluence.</p>	

LAND UNIT: M32007	NAME: HAMNER FOREST PARK
ADMINISTRATION Legal Status : Conservation Park Reserve Classified ? :N/A Grid Reference : 2484149 5858498 Legal Description : SEC 93 RS 41641 RES 5126 FS N32/51 RS 40015 PT RES 4880 SEC A SO 16684 SO 17134 Survey Blk & District : III TEKO A IV TEKO A DILLON TEKO A DILLON LYNDON PERCIVAL TEKO A III TEKO A	CMS Map # : 1 Area : 9393.7026 ha Ecological District : Miromiro Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Steep to very steep, erosion-prone greywacke-argillite mountainlands with extensive areas of beech forest in valleys or in gullies, fire-induced communities (scrub) and range of alpine and sub-alpine communities, including tall tussockland.</p> <p>Location: Along the Hanmer Range N and W of Hanmer Springs, Hanmer Basin.</p> <p>Main Ecosystems: Sub-alpine tussockland;scrubland; beech forest; sub-alpine scrub; erosion pavement with scant vegetation.</p> <p>Main Plant Species: <i>Festuca novaezelandiae</i>, <i>Chionochloa</i> spp., <i>Carmichaelia monvoi</i>, <i>Aciphylla</i> spp., <i>Halocarpus bidwillii</i>; k nuka, some m nuka, golden tauhinu, mingimingi, matagouri, flax/harakeke; mountain beech/tawai, some silver and red beech/tawai, mountain toatoa, broadleaf/k puka, thin-bark t tara; <i>Dracophyllum uniflorum</i>, snow t tara, <i>Celmisis</i> spp. <i>Geum divergens</i> a local species restricted to western Hanmer Range</p> <p>Notable Fauna: Brown creeper, kea, morepork/ruru koukou, k re rea/NZ falcon, kerer , pipit/p hoihoi, rifleman/t tipounamu, tomtit/miromiro, t , bellbird/k parapara or koimakoa, parakeet/k k riki.</p> <p>Threatened Species: PLANTS: <i>Alepis flavida</i> (B);IUCN-V), ANIMALS: banded dotterel/pohowera , black-fronted tern/tarapirohe (B), kea (B), k re rea (B), kerer (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Old plantings and buildings are of forestry heritage interest.</p> <p>Visitor Use: High</p> <p>Facilities: Toilet Block, walking tracks, short walks and full day tramps.</p> <p>Other Features: Contains a number of relatively rare plants which include <i>Coprosma obsoncia</i>, <i>traversia baccaroides</i>, <i>Dachystegia insignis</i> and <i>Geium divergens</i></p>	
THREATS To Ecological Features: <p>Animal Threats:Red deer, chamois (low), pigs, rabbits possums, stoats and ferrets, wasps.</p> <p>Plant Threats: Wildings, broom, cherry, Rowan, spanish heath.</p> <p>Other: Fire.</p>	
MANAGEMENT Issues: Fire control; wild animal control; control of wilding spread., wasp control. Priorities: Control of wilding conifers.	

LAND UNIT: M32012	NAME: WOODBANK RUN (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2479029 5848245 Legal Description : PT RUN 288 SO 17134 Survey Blk & District : II, III, VI TEKO A	CMS Map # : 1 Area : 1413.0000 ha Ecological District : Miromiro Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <u>General:</u> Smallish area of steep gullied hillslopes rising to a low (950m) gentle ridge, with regenerating fire-induced communities and a few small patches of dry beech forest. <u>Location:</u> E of lower Tutu stream at Waiau River, c. 15km W of Hanmer Springs. <u>Main Ecosystems:</u> Mountain mountain beech/tawai forest; k nuka-dominant scrub. <u>Main Plant Species:</u> Mountain beech/tawai, broadleaf/k puka ; k nuka. <u>Notable Fauna:</u> Pipit/pihoihoi, bellbird/k parapara or korimako, kea. <u>Threatened Species:</u> Kea (B) <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Retired from Woodbank pastoral lease <u>Visitor Use:</u> Recreational hunting <u>Facilities:</u> N/A <u>Other Features:</u> No data	
THREATS To Ecological Features: <u>Animal Threats:</u> Possums, grazing animals <u>Plant Threats:</u> Broom, wildings Other: Fire	
MANAGEMENT Issues: Ecological assessments required - there is no documentation on this area; fire control. Priorities: Ecological assessment. Control of wilding conifers. Include in Hanmer Conservation Park Fence maintenance Fire control.	

LAND UNIT: M32014	NAME: LOWER DOUBTFUL AND BOYLE RIVER CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2454479 5849580 Legal Description : RS 41040 SO 17134 SO 15071 Survey Blk & District : I,V,VI SKIDDAW	CMS Map # : 1 Area : 1546.0000 ha Ecological District : Lewis Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Forested mountain slopes - valleys and faces - adjoining Lake Sumner Forest Park. Open tops, regenerating burnt E margin and flats excluded. Linked closely to part of M32002.</p> <p>Location: NE corner of Doubtful Range, true R lower Doubtful and Boyle Rivers, W of SH7, Lewis Pass area.</p> <p>Main Ecosystems: Mountain beech/tawai forest.</p> <p>Main Plant Species: Mountain red and silver beech/tawai (widespread), <i>Coprosma</i> spp/karam . (very limited site specific data).</p> <p>Notable Fauna: (Inferred data from adjacent forest park) K re rea, kea, great spotted kiwi/ro-roa (?), yellow crowned k k riki (?), k k .</p> <p>Threatened Species: K k (B), Yellow crowned k k riki (C), Kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Start of Amuri Pass Pack Track.</p> <p>Visitor Use: Tramping recreational hunting.</p> <p>Facilities: Tramping track</p> <p>Other Features: No data.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Wild animals, possums, rabbits from riverbed.</p> <p>Plant Threats: Broom in lower Doubtful and Boyle rivers.</p> <p>Other: Fire especially from regenerating shrubland on E margin.</p>	
MANAGEMENT <p>Issues: Integrated Management of protected lands, assess condition and ecological character.</p> <p>Priorities: Weed control in lower Doubtful and Boyle rivers. Ecological assessment. Include in Lake Sumner Conservation Park Monitor possums and rabbits.</p>	

LAND UNIT: N32038 (also includes N32045)	NAME: LOTTERY BUSH SCENIC RES
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2517478 5850394 Legal Description : RES 4940, 4941, 4942, 4983, 4943; RES 3646, 4776; RES 3647 Survey Blk & District : II, VI WAI AU	CMS Map # : 2 Area : 109.1383 ha Ecological District : Hundalee Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Low, rolling upper-lowland hills country and old terraces with 2 blocks of beech- (podocarp) forest.</p> <p>Location: Between Lottery and Wandie Rivers, Inland Kaikoura Rd, 20km E of Hanmer Springs.</p> <p>Main Ecosystems: Beech-podocarp forest; mountain beech/tawai forest; m nuka-mountain beech/tawai treeland; rough pasture.</p> <p>Main Plant Species: Mountain beech/tawai, kahikatea, mata , rimu, p k k , marbleleaf; k nuka, broadleaf/k puka, t tara, introduced grasses, tauhinu, bracken/aruhe.</p> <p>Notable Fauna: Tomtit/miromiro, bellbird/k parapara or koimako, paradise duck/p takitaki, t (reported), the erdemia snail <i>Wainuia edwardi</i> (reported). Bush robin</p> <p>Threatened Species: The snail <i>Wainuia edwardi</i> (status unknown)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Low day visitors</p> <p>Facilities: N/A</p> <p>Other Features: No data</p>	
THREATS To Ecological Features: <p>Animal Threats: Possums, wasps</p> <p>Plant Threats: Blackberry and briar (minor), broom</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Consider joining of the 2 blocks of reserve area; possum control.</p> <p>Priorities: Fire control, monitor possums, boundary control weeds, fence maintenance</p>	

LAND UNIT: M33025	NAME: SEAWARD FOREST CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2449900 5811208 Legal Description : RES 3266 Survey Blk & District : I,II,V OKUKU	CMS Map # : 4 Area : 1031.9483 ha Ecological District : Poulter Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Remote beech forest in dissected upper catchment of Seaward River, a tributary of the Hurunui River on the E side of Puketeraki Range.</p> <p>Location: E side, N end of Puketeraki Range SW of Upper Hurunui River gorge, Inland North Canterbury.</p> <p>Main Ecosystems: Beech forest (low altitude to timberland beech forest types are present).</p> <p>Main Plant Species: Mountain beech/tawai and red beech predominate; broadleaf/k puka , putaputaweta, <i>Coprosma microcarpa</i>, <i>C. pseudocuneata</i>, <i>Dracophyllum longifolium</i>, <i>Cyathodes juniperina</i>.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Recreational hunting</p> <p>Facilities: N/A</p> <p>Other Features: No data</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Deer, chamois, possums, pigs and feral stock (all minor at low levels in 1986).</p> <p>Plant Threats: Broom spreading from seaward riverbed</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Monitoring of wild animal and feral stock numbers. No immediate problems. Assessment of ecological values.</p> <p>Priorities: Ecological assessment.</p>	

LAND UNIT: M33038	NAME: WEKA PASS HISTORIC RESERVE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? :Y Grid Reference : 2484909 5802950 Legal Description : LOTS 1,2 DP 20101 Survey Blk & District : XII WAIPARA	CMS Map # : 4 Area : .4461 ha Ecological District : Waikari Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <u>General:</u> Limestone bluff overhanging rock 'caves' on near flat cultivated pasture. <u>Location:</u> Timpendean Road, Waikari, North Canterbury. <u>Main Ecosystems:</u> Exotic pasture with scattered shrubs; limestone rock bluff (mid-Tertiary). <u>Main Plant Species:</u> Exotic pasture species, cabbage tree/t k uka/t r kau, <i>Coprosma propinqua</i> x robustus/karam , <i>Carmichaelia</i> sp.; droughty grassland species. <u>Notable Fauna:</u> No birds of interest noted at site. <u>Threatened Species:</u> Nil <u>Landscape:</u> Is a regionally significant natural feature or landscape <u>Historic/Cultural:</u> Rock drawings of high significance to Ng i Tahu. <u>Visitor Use:</u> Low <u>Facilities:</u> Rock drawing protection fencing. <u>Other Features:</u> The rock drawing in the reserve are classified as a Geopreservation Site of regional importance.	
THREATS To Ecological and Historic Features: <u>Animal Threats:</u> Domestic stock <u>Plant Threats:</u> Nil Other: Vandalism, drawing loss through natural processes.	
MANAGEMENT Issues: Protection of drawings; fire control; cultural sensitivity. Priorities: Consult with Ng i Tahu over future reserve management and implement agreed programme. Management Plan: Plan approved 1984, review due 1989. To be revoked under S 40A(4)(b) Reserves Act and management objectives set by the CMS.	

LAND UNIT: M34017	NAME: ASHLEY FOREST
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2471124 5787497 Legal Description : RS 42135 PT RS 23770,38575,41990,33559 PT RS 21399,33528,33529,39996 PT RS 38577,24341,41991,34485 PT RS 34525,34106,41992,14046 PT RS 39997,34744,12587,39998 PT RS 6289 RES 3270 PT LOT 1 DP 5846 PT LOT 1 D Survey Blk & District : V,VI,IX,X GREY V,VI,IX,X GREY V,VI,IX,X GREY V,VI,IX,X GREY	CMS Map # : 4 Area : 1706.0000 ha Ecological District : Oxford Area Office : Waimakariri District Council : Hurunui
DESCRIPTION <p>General: Gently sloping to steep, lowland to montane hillslopes dropping from a bluffed 900m ridge to a narrow gorge, with mixed red and mountain beech forests, podocarp-beech forest and regenerating scrubland. Two smaller neighbouring patches with similar forest types.</p> <p>Location: 15km W of Amberley, North Canterbury.</p> <p>Main Ecosystems: Mountain beech forest; red beech forest; mixed red-mountain beech forest; podocarp-mixed beech forest; scrubland.</p> <p>Main Plant Species: Mountain beech/tawai, broadleaf/k puka, thin-bark t tara, mingimingi, Coprosma parviflora; red beech/tawai, lancewood/horoeka, marble leaf; red and mountain beech/tawai, rimu, miro, mata , kahikatea, t tara, p k k ; m nuka, k nuka, matagouri, tauhinu.</p> <p>Notable Fauna: Brown creeper, bellbird/k parapara or korimako, tomtit/miromiro, rifleman/t tipounamu, kerer , robin/kakaruai, k re rea/NZ falcon, morepork/ruru koukou.</p> <p>Threatened Species: PLANTS: <i>Korthalsella salicornioides</i> (O:IUCN-I), <i>Muehlenbeckia astonii</i> (A:IUCN-E) ANIMALS: kerer (B), k re rea (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Ng i Tahu believe the spirits of their dead, leave from the summit of Mt Grey on the long journey to Cape Reinga.</p> <p>Visitor Use: Low to medium</p> <p>Facilities: One hut</p> <p>Other Features: <i>Baumea rubiginosa</i> and miro both found in area, are uncommon in Canterbury. Area has been proposed as an Ecological Area.</p>	
THREATS To Ecological Features: <p>Animal Threats: Red deer, possums, pigs, wasps.</p> <p>Plant Threats: Sparse gorse and broom; wilding spread.</p> <p>Other: Fire.</p>	
MANAGEMENT Issues: Wasp control; broom control. Priorities: Weed control, maintain recreation facilities	

LAND UNIT: M34030	NAME: ASHLEY RIVERBED (PART)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 245743 5772601 Legal Description : PT RES 3101 Survey Blk & District : I,II,III,IV MAIRAKI IV OXFORD	CMS Map # : 4 Area : 1105.0000 ha Ecological District : High Plains Area Office : North Canterbury District Council : Waimakariri
DESCRIPTION <p>General: Rain-fed narrow braided river that crosses the upper Plains. Similar habitat to that of the more extensive snow-fed rivers of the Plains, with highly changeable environmental conditions as result of flow variations.</p> <p>Location: Riverbed extending from Ashley Gorge mouth down to E end of Maraki Downs and confluence of Okuku River, WNW of Rangiora.</p> <p>Main Ecosystems: Braided river aquatic and terrestrial ecosystem; willow “weedland” with scattered mosaics of stream and backswamp wetlands.</p> <p>Main Plant Species: Willow (<i>Salix fragilis</i>), introduced weeds including gorse, blackberry, shrub lupin, broom; minor flax/harakeke, <i>Juncus</i> spp/w w ., k whai, ti, <i>Muehlenbeckia australis</i>, <i>Carex</i> spp.</p> <p>Notable Fauna: Wrybill/ngutupare, banded dotterel/pohowera, black-fronted tern/tara, black-backed gull/karoro, SI pied oystercatcher, pied stilt; (invertebrate fauna dominated by mayflies and elmid beetle larvae)</p> <p>Threatened Species: Wrybill/ngutupare (B), banded dotterel/pohowera (C), black-fronted tern/tara (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low to medium</p> <p>Facilities: Nil</p> <p>Other Features: The whole braided river is of outstanding value to wildlife. The braided rivers of Canterbury meet RAMSAR Convention criteria as “Wetlands of International Importance especially for waterfowl.” Upper Ashley braided reaches are included because they support an appreciable population of wrybill/ngutupare.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:</p> <p>Plant Threats: Gorse, broom, willow, potential old man’s beard.</p> <p>Other: Vehicle use disturbs nesting birds, water abstraction, river engineering works, gravel extraction.</p>	
MANAGEMENT <p>Issues: Weed control, control of vehicle use.</p> <p>Priorities: Weed control</p>	

LAND UNIT: M34123	NAME: WAIPARA GORGE SCENIC RESERVE (PROPOSED)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2478668 5795901 Legal Description : ADJ RS 37487 33088 7552 27562 Survey Blk & District : XV WAIPARA	CMS Map # : 4 Area : 25.0000 ha Ecological District : Waikari Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Beech forest remnants along stream margins and among steep unstable cliffs of diverse tertiary sediments. This land unit covers parts of 4 incised gullies in a true L tributary of the Waipara River Gorge. A highly scenic but remote area which has recently been allocated to DOC.</p> <p>Location: Part of an unnamed tributary that enters the Waipara River gorge, NW of Amberley.</p> <p>Main Ecosystems: Black beech/tawai forest with broadleaved understorey on tertiary sediments.</p> <p>Main Plant Species: Black beech/tawai, k nuka, Hall's tara, lancewood/horoeka, putaputaweta, broadleaf/k puka, k whai, <i>Olearia paniculata</i>, <i>Helichrysum lanceolatum</i>, <i>Corokia cotoneaster/korokio</i>, <i>Cyathodes juniperina</i>, Spanish broom, miro (minor component).</p> <p>Notable Fauna: No data</p> <p>Threatened Species: None recorded</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Area is of geological interest but is not as well studied as the main Waipara Gorge area. Sedimentary concretions have been eroded out of the gorge walls. Nearby sites of similar character, in the main gorge, are geopreservation sites of international significance because of their marine reptile fossils and complete sedimentary sequences.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock, especially cattle.</p> <p>Plant Threats: Gorse, broom, heather (<i>Calluna vulgaris</i>)</p> <p>Other: Minor disturbance expected from use and maintenance of farm tracks through the reserve; fire access.</p>	
MANAGEMENT <p>Issues: Stock control; rabbit, broom and gorse control to prevent spread onto neighbouring land; completion of land tenure changes, fire control.</p> <p>Priorities: Weed control, boundary fencing.</p>	

LAND UNIT: M 35343	NAME: OTUKAIKINO WILDLIFE MANAGEMENT RESERVE (WILSON'S SWAMP)
ADMINISTRATION Legal Status: Government Purpose Wildlife Management Reserve Reserve Classified ? :N Grid Reference : 2481300 5752600 Legal Description : RS 40490 Survey Blk & District : III CHRISTCHURCH	CMS Map # : 8 Area : 10.2148 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Christchurch City
DESCRIPTION <u>General:</u> Lowland wetland. <u>Location:</u> Located at the southern end of the northern motorway, Belfast. <u>Main Ecosystems:</u> Areas of open spring-fed pond, tall Carex sedgeland, raupo reedland and willow forest. <u>Main Plant Species:</u> Carex spp, raupo, Juncus spp, low land shrub and forest spp. <u>Notable Fauna:</u> pukeko, common waterfowl (mallard, grey duck), Australasian bittern, marsh crane, long and short finned eel. <u>Threatened Species:</u> Nil <u>Landscape:</u> Lowland wetland <u>Historic/Cultural:</u> Reserve is Tuahuriri runanga Wahi Tapu site, formerly a farm purchased by Edward Wilson and Joseph Chaney in 1850 and in 1962 taken by Ministry of Works and Development for development of the Christchurch Northern Motorway. <u>Visitor Use: Facilities</u> loop track system, boardwalk, bridge, seating and interpretive signs. <u>Other Features:</u> Reserve management sponsored by Lamb and Hayward Ltd, Funeral Directors, through "The Living Memorial".	
THREATS To Ecological Features: <u>Animal Threats:</u> stock entry from adjoining farm. <u>Plant Threats:</u> grey and crack willow, blackberry and gorse Other: Fire, water level and quality changes	
MANAGEMENT Issues: willow and other weed control, habitat restoration, development of site amenities, project sponsorship, site planning. Priorities: willow removal and habitat restoration, development of sponsorship agreement with Lamb and Hayward, update 1992 Concept Plan for Otukaikino, support "The Living Memorial Trust".	

LAND UNIT: M36043	NAME: TRANSIT OF VENUS HISTORIC RESERVE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? :Y Grid Reference : 2453720 5732671 Legal Description : RS 41026 Survey Blk & District : II LEESTON	CMS Map # : 8 Area : .3968 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <u>General:</u> Reserve marking an historic observation <u>Location:</u> Within Burnham Military Camp complex, W of SH1 Burnham. <u>Main Ecosystems:</u> Mown lawn with adjacent exotic trees. <u>Main Plant Species:</u> Exotic grasses. <u>Notable Fauna:</u> None <u>Threatened Species:</u> None <u>Landscape:</u> Minor feature. <u>Historic/Cultural:</u> Observation site (instrument plinths). <u>Visitor Use:</u> Low <u>Facilities:</u> Nil <u>Other Features:</u>	
THREATS To Ecological Features: <u>Animal Threats:</u> Nil <u>Plant Threats:</u> Nil Other: Damage to brick instrument plinths.	
MANAGEMENT Issues: Reserve located in Burnham Military Camp Restricted Area No interpretation Priorities: To provide an information panel and reserve sign on Burdons Road frontage.	

LAND UNIT: M36086	NAME: QUAIL ISLAND RECREATION RESERVE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? :Y Grid Reference : 2485080 5731080 Legal Description : RS 40620 Survey Blk & District : IV HALSWELL	CMS Map # : 8 Area : 81.1000 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Inner harbour island of low relief with steep coastal slopes rising to a gently sloping plateau. Vegetation predominantly exotic pasture and exotic trees with indigenous fragments along the coastal margin and cliffs.</p> <p>Location: In Lyttelton Harbour/Whakaraupē adjacent to Moepuku Peninsula.</p> <p>Main Ecosystems: Exotic pasture; mixed silver tussock/w / donthonia grasslands; exotic trees; matagouri, Coprosma and native broom shrubland fragments, coastal cliff and beach communities.</p> <p>Main Plant Species: (Indigenous fragments) Native broom, matagouri, <i>Coprosma</i> spp/karam ., silver tussock/w , <i>Olearia paniculata</i>, coastal ribbonwood, m nuka, wheat grass, flax/harakeke.</p> <p>Notable Fauna: Spotted shags, pied oystercatchers, kingfisher/k tare.</p> <p>Threatened Species: None known.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Numerous archaeological and historic sites. Refer to book, Dept of Conservation (1990): Quail Island - A link with the past.</p> <p>Visitor Use: High</p> <p>Facilities: Walkway, picnic areas, information centre</p> <p>Other Features: Black backed gull/karoro breeding grounds, Banks peninsula endemic plant <i>Hebe shichisima</i> recorded on cliffs. Volcanic features are geopreservation site of national importance; shell beaches are of regional importance.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits.</p> <p>Plant Threats: Boxthorn, gorse and broom</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: - Control of rabbits. - Enhancement of indigenous remnants.</p> <p>Priorities: Rabbit eradication, maintenance of recreational facilities, establishment of an ecological restoration trust. Implementation of a community funded and supported revegetation programme. Management Plan approval 1982. To be revoked under section 40A(4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: M36088	NAME: KING BILLY ISLAND SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2484650 5730199 Legal Description : RS 1566 Survey Blk & District : VIII HALSWELL	CMS Map # : 8 Area : .3642 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Small rocky islet of low relief surrounded by tidal mudflats, planted in exotic trees.</p> <p>Location: In Lyttelton Harbour/Whakaraup , between Quail Island and Moepuku Peninsula.</p> <p>Main Ecosystems: Exotic plantations. Indigenous remnants unknown.</p> <p>Main Plant Species: Macrocarpa and Eucalyptus spp., Ngaio and <i>Olearia</i> spp. also present. Other components unknown.</p> <p>Notable Fauna: K tare (NZ kingfisher), oyster catcher, red billed gull. Black backed gull/karoro nesting area.</p> <p>Threatened Species: None known.</p> <p>Landscape: Small island within Lyttelton Harbour/Whakaraup .</p> <p>Historic/Cultural: Archaeological sites. Significant to Ng i Tahu.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: None known.</p>	
THREATS <p>To Ecological and Archaeological Features:</p> <p>Animal Threats: Rabbits</p> <p>Plant Threats: Box thorn</p> <p>Other: Archaeological site disturbance from tree windthrow.</p>	
MANAGEMENT <p>Issues: Assessment of natural values.</p> <p>Priorities: Assess natural values. Rabbit control Assess future of exotic trees.</p> <p>Management Plan: Plan approved 1980, expired 1985. To be revoked under S 40A(4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: M36135 (also includes M36139)	NAME: SIGN OF THE PACKHORSE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2485779 5722812 Legal Description : LOT 1 DP 30140 RES 3988, 3984, 4066 LOT 4 DP 3871 Survey Blk & District : XII HALSWELL	CMS Map # : 8 Area : 104.5798 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Steep, south-facing hillslopes dropping from a flattish summit ridge with patches of riparian lowland to montane mixed-broadleaved forest with scattered podocarps, exotic pastures with fescue and silver tussock/w , and extensively vegetated bluffs.</p> <p>Location: S side of Mt Bradley, 15km SSE of North Canterbury, Banks Peninsula.</p> <p>Main Ecosystems: Introduced pasture with silver tussock/w ; lowland m hoe-dominant mixed broadleaved forest with scattered podocarps; montane mixed-broadleaved forest with thin-bark t tara; vegetated bluffs.</p> <p>Main Plant Species: Cocksfoot, browntop, <i>Festuca novae-zelandiae</i>, silver tussock/w ; m hoe, narrow-leaved lacebark, k whai, ribbonwood, scattered mata , lowland t tara and kahikatea; thin-bark t tara, broadleaf/k puka , fuchsia/k tukutuku, mountain fivefinger; <i>Dracophyllum acerosum</i>, flax/harakeke, <i>Hebe laudiana</i>, <i>Hebe strictissima</i>, toitoi.</p> <p>Notable Fauna: NZ pipit/p hoihoi, tomtit/miromiro, bellbird/k parapara or korimako, kerer .</p> <p>Threatened Species: PLANTS: <i>Tupeia antarctica</i> (B:IUCN-V) ANIMALS: kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Sign of the Packhorse hut. Built 1916. Part of the H.Ell track and hut legacy.</p> <p>Visitor Use: Very high</p> <p>Facilities: Walkway toilet, four bunk hut.</p> <p>Other Features: Reserve includes younger basalts of Mt Herbert/Te Ahu Patiki lava flows as well as underlying older Lyttelton flows.</p>	
THREATS To Ecological and Physical Features: <p>Animal Threats:Possum, goat.</p> <p>Plant Threats: Gorse; Pinus radiata wildings.</p> <p>Other: Vandalism</p>	
MANAGEMENT <p>Issues: Possum and goat control; wilding control; joining of 2 reserve areas.</p> <p>Priorities: Goat control. Wilding tree control. Possum control. Boundary rationalisation and fence maintenance. Management Plan: Plan approved 1980, expired 1985. To be revoked under S 40A (4)(b) Reserves Act and management objectives set by the CMS. Conservation Plan for the Sign of the Packhorse Hut.</p>	

LAND UNIT: M36148 (also includes M36149, M36150)	NAME: MCQUEENS LAGOON
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2478200 5718000 Legal Description : CROWN LAND; PT RES 959 Survey Blk & District : XV HALSWELL	CMS Map # : 8 Area : 33.0000 ha Ecological District : Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Flood-prone pasture on recent saline lagoonal soils once within the bed of Te Waihora/Lake Ellesmere. The old Halswell River once flowed through the lagoon - dredging and banking of this river and the diversion of most of its flow has all but destroyed its conservation values as a wetland.</p> <p>Location: On the Halswell River near its entry into Te Waihora/Lake Ellesmere, 20km S of Christchurch.</p> <p>Main Ecosystems: Exotic pasture with saline-tolerant plants and some rushes.</p> <p>Main Plant Species: <i>Sarcocornia quinqueflora</i>, <i>Juncus maritimus</i>/w w , <i>Juncus</i>spp/w w ., <i>Scirpus</i>spp., salt-tolerant exotic pasture grasses.</p> <p>Notable Fauna: pied stilt/poaka (high numbers), eastern bar-tailed godwits/k aka and high numbers of waterfowl (NZ shoveler/kuruwhengu/kuruwhengi, mallard, Canada geese) have been recorded in vicinity.</p> <p>Threatened Species: Nil</p> <p>Landscape: Flat flood prone pasture</p> <p>Historic/Cultural: M hinga kai area of significance to Ng i Tahu</p> <p>Visitor Use: Low visitors</p> <p>Facilities: ?</p> <p>Other Features:</p>	
THREATS To Ecological Features: Animal Threats: (Stock) Plant Threats: Extensive exotic pasture grasses. Other: Lagoonal character has been destroyed by banking and river diversion; duck shooting.	
MANAGEMENT Issues: Restore wetland habitat: further banking to create flooding; remove mai-mai; prevent stock usage. Priorities: Restoration of wetland habitat. Inclusion within Te Waihora joint Management Plan by Ng i Tahu and DOC.	

LAND UNIT: M36178	NAME: KAITUNA VALLEY SCENIC RESERVE.
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2484865 5718179 Legal Description : LOT 1 DP 18910 Survey Blk & District : XVI HALSWELL	CMS Map # : 8 Area : 5.9767 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <u>General:</u> Valley floor cut in lava flows and debris of the Akaroa and Lyttelton volcanics. Podocarp mixed hardwood forest remnant on lowland alluvium. <u>Location:</u> Kaituna Valley, on the southwest of Banks Peninsula. <u>Main Ecosystems:</u> Kahikatea and mata /mixed broadleaved forest, m hoe dominated broadleaved forest. <u>Main Plant Species:</u> Kahikatea, mata , t toki, ribbonwood; m hoe, lacebark, k h h . <u>Notable Fauna:</u> Inanga, bellbird/k parapara or korimako, kerer . <u>Threatened Species:</u> <i>Korthasella salicornoides</i> (O), Kerer (B) <u>Landscape:</u> Significant forest remnant <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> High, picnickers <u>Facilities:</u> Toilet <u>Other Features:</u> Dense stand of t toki unusual on Banks Peninsula at southern limit of distribution for this species.	
THREATS To Ecological Features: <u>Animal Threats:</u> Domestic stock. <u>Plant Threats:</u> Clematis vitalba. Other: Flooding by Kaituna river.	
MANAGEMENT Issues: Clematis vitalba control. Fence maintenance/prevention of stock entry via stream. Priorities: Clematis vitalba control. Fence maintenance.	

LAND UNIT: M36181	NAME: GREENPARK SANDS, formerly part of LAKE ELLESMERE/TE WAIHORA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2470034 5718037 Legal Description : PT RES 4385 PT RES 959 Survey Blk & District : XI & XIII HALSWELL	CMS Map # : 8 Area : approx. 1003 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: A large, shallow brackish, coastal lagoon-edge; sand flats and saline/rush vegetation with exceptionally important wildlife values.</p> <p>Location: Coastal margin of the Canterbury Plains, SW of Banks Peninsula.</p> <p>Main Ecosystems: Shallow, brackish lake-edge; salt turf; shrub rushland.</p> <p>Main Plant Species: <i>Potamogeton pectinatus</i>, <i>Sarcocornia quinqueflora</i>, <i>Samolus repens</i>, <i>Selliera radicans</i>, <i>Cotula coronopifolia</i>, <i>Juncus pallidus</i> w w , <i>J. maritimus</i> w w , <i>Schoenoplectus pungens</i>, shore ribbonwood.</p> <p>Notable Fauna: Part of a wetland of national importance for fish, especially eel, flounder and Gallaxid species. Over 150 species of bird have been recorded on and using the area. See O'Donnell (1985) and other references for details.</p> <p>Threatened Species: A great many of the 150+ bird species recorded on the lake are listed as threatened. See O'Donnell (1985) and other references for details. Very important area for wrybill/ngutupare (B) and banded dotterel/pohowera (C).</p> <p>Landscape: Is a nationally significant natural feature or landscape.</p> <p>Historic/Cultural: High cultural values.</p> <p>Visitor Use: High seasonal use for gamebird shooting.</p> <p>Facilities: Nil by Department.</p> <p>Other Features: Adjoining lake is of exceptional importance to Ng I Tahu, particularly because of its traditional and ongoing value for mahinga kai, its spiritual, cultural and economic values. Greenpark sands is particularly important as summer habitat for migratory wading birds, and meets RAMSAR Convention criteria as a Wetland of International Importance.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Mustelids, rats, cats, hedgehog, stock.</p> <p>Plant Threats: Algae (from eutrophication), <i>Spartina x townsendii</i> (potential).</p> <p>Other: Eutrophication; artificial lake level control; foreshore erosion; recreation including sand yachting; bird shooting.</p>	
MANAGEMENT <p>Issues: Resolution of Ng i Tahu settlement; control of artificial lake level; recreation, eutrophication, stock intrusion, hunting/bird shooting - use conflicts.</p> <p>Priorities: Ng i Tahu settlement implementation. Te Waihora Management Plan joint preparation by Ng i Tahu and DOC.</p>	

LAND UNIT: M36183	NAME: YARRS FLAT WILDLIFE RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :Y Grid Reference : 2466830 5720644 Legal Description : SEC 50 Survey Blk & District : IX,XIII HALSWELL XII,XVI LEESTON	CMS Map # : 8 Area : 286.0000 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Part of a large tract of flat estuarine-margin land around Te Waihora/Lake Ellesmere known as Greenpark Sands which is outstanding habitat for wading birds. Regularly inundated as lake levels fluctuate. Levels are influenced by inflow, outlet control (artificial) and wind strength.</p> <p>Location: N margin of Te Waihora/Lake Ellesmere, E of Selwyn huts and the LII river mouth.</p> <p>Main Ecosystems: Modified "high" lands comprising a gently sloping sand ridge above high lake levels covered in rough pasture and patchy rushlands; "low" lakeshore lands with rushland, saline grassland with scattered shrubland, bare mud, and extensive salt turf and lakeshore turf on a sand flat; <i>Carex secta</i> swampland (now restricted to LII river mouth).</p> <p>Main Plant Species: Introduced grasses and pasture species, <i>Juncus maritimus</i> w w , shore ribbonwood; <i>Schoenoplectus pungens</i>, <i>Sarcocornia quinqueflora</i>, <i>Mimulus repens</i>, <i>Triglochin striatum</i> var. <i>filifolium</i>, <i>Lilaeopsis novaezelandiae</i>.</p> <p>Notable Fauna: Fully documented in O'Donnell (1985). An outstanding area for migrant and NZ wading birds. 49 wetland species recorded here. The most numerous waders are banded dotterel/pohowera and pied stilt.</p> <p>Threatened Species: Banded dotterel/pohowera (C), royal spoonbill (O), white heron/k tuku (O), Australasian bittern (O), southern crested grebe/k mana (O), wrybill/ngutupare (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Lake margin of significance to Ng i Tahu.</p> <p>Visitor Use: Medium, shooters and fishers access.</p> <p>Facilities: Nil</p> <p>Other Features: Rated as being of outstanding value for waders, high for waterfowl and moderate to high for swamp birds (O'Donnell ibid.) - Supports the highest number and greatest range of overseas migrant birds on the whole lake. - Part of an area of low sand flats identified by Clark and Partridge (1984) as of being of national botanical importance. - See discussion of features of Te Waihora/Lake Ellesmere. (Conservation Unit M36181) Part of the well documented Te Waihora/Lake Ellesmere wetland.</p>	
THREATS To Ecological Features: Animal Threats: Stock (relatively minor). Plant Threats: Willow, gorse. Other: Disturbance from recreation activities (e.g. shooting, land yachting (a past problem), off-road vehicles (potential problem), eutrophication and other changes in water quality, water-level regime changes from irrigation and/or lake outlet control.	
MANAGEMENT Issues: Recognition of M ori values and authority over the lake, maintenance of ecological values (especially of turf plant and waterbird communities); lake level control, recreational use management. Priorities: Reassessment of grazing regime. Te Waihora Management Plan – joint plan by Ng i Tahu and DOC	

LAND UNIT: M36186 (also includes M36189)	NAME: SELWYN WILDLIFE MANAGEMENT RESERVE.
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve; Local Purpose Soil Conservation Reserve Reserve Classified ? :Y Grid Reference : 2465094 5719728 Legal Description : SEC 18, PT RES 959 Survey Blk & District : XII,XVI LEESTON	CMS Map # : 8 Area : 194.4260 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Lakeshore saline communities and rivermouth freshwater communities along one side of an elongate birdsfoot delta that extends into Te Waihora/Lake Ellesmere. (conservation unit M36189 is outside the reserve. It extends off the end of the delta).</p> <p>Location: N margin of Te Waihora/Lake Ellesmere, adjacent and to the E of Selwyn River/Waikirikiri mouth.</p> <p>Main Ecosystems: Complex mosaic of salt flat (dominant), salt turf, lakeshore turf, saline sedgelands, freshwater sedgeland, sedge flaxland, raup reedland, willow treeland, introduced pasture (wet and dry).</p> <p>Main Plant Species: Salt flats comprise mainly <i>Sarcocornia quinqueflora</i>, <i>Plantago coronopus</i>, and <i>Puccinellia stricta</i>; salt turf dominated by <i>Selliera radicans</i>; lakeshore turfs of <i>Minulus repens</i>, <i>Cotula coronoptifolia</i>, <i>Lilaeopsis novaehelandiae</i>, <i>Spergularia media</i>; <i>Schoenoplectus pungens</i>; freshwater species include raup , flax/harakeke, <i>Carex secta</i>, <i>C. gaudichaudiana</i>, <i>C. coriacea</i>, <i>Gleoharis acuta</i>, willow (<i>Salix</i> spp.), introduced pasture species.</p> <p>Notable Fauna: See O'Donnell (1985) for details. Noted for mute swan breeding and presence of marsh crake and Australasian bittern.</p> <p>Threatened Species: Australasian bittern (O), banded dotterel/pohowera (C), black-fronted tern/tarapirohe (B), Caspian tern/tara (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Cultural Values. Long-term lease to Ng i Tahu over northern 2 hectare area as mahinga kai, as part of the Ng i Tahu Claims Settlement Act 1998.</p> <p>Visitor Use: Medium</p> <p>Facilities: Nil</p> <p>Other Features: - Selwyn River/Waikirikiri delta is an outstanding and well developed example of a birds foot delta, one of very few of this type in New Zealand. - Large <i>Carex secta</i>/flax/harakeke wetland is of high botanical value. There is a large breeding colony of little shag outside the reserve on the Selwyn River/Waikirikiri margin.</p>	
THREATS To Ecological Features: Animal Threats: Stock. Plant Threats: Minor gorse, willow, gorse. Other: Changes to lake level regimes, loss of water quality.	
MANAGEMENT Issues: Water level regime and water quality changes, disturbance of non-target birds during waterfowl shooting. Priorities: Encourage outside interest and involvement in wetland habitat development. Investigate land or grazing exchange with neighbouring wetland. Ng i Tahu settlement implementation Te Waihora Management Plan – joint preparation by Ng i Tahu and DOC.	

LAND UNIT: M36190 (also includes M36502, M36503)	NAME: HARTS CREEK WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve; Section 62, Conservation Act Reserve Classified ? :Y Grid Reference : 2458075 5713012 Legal Description : RES 5121; PT RES 959 SO 17138; CROWN LAND SO 17138 Survey Blk & District : II,III SOUTHBRIDGE	CMS Map # : 8 Area : 234.8848 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: A large area of dense swampland on the inland margin of Te Waihora/Lake Ellesmere. (Conservation units M36502 and 503 are swampland and adjacent to the reserve.)</p> <p>Location: Western margin of Te Waihora/Lake Ellesmere, SE of Leeston.</p> <p>Main Ecosystems: Willow-dominated swampland; raup reedland, rushland, salt turf (very limited area), ephemeral ponds. Ecosystems vary from fresh to saline water.</p> <p>Main Plant Species: Salix spp., <i>Coprosma propinqua</i>, <i>Carex secta</i>, <i>Scirpus</i> spp., flax/harakeke, blackberry; raup ; <i>Juncus maritimus</i>/w w , introduced grasses, wire rush; <i>Mimulus repens</i>, <i>Lilaeopsis novaezelandiae</i>; <i>Potamogeton cheesemanii</i>, <i>Myriophyllum propinquum</i>, <i>Elodea canadensis</i> in ponds and streams.</p> <p>Notable Fauna: Supports up to 30 wetland species, high numbers of p keko and pied stilts/poaka, key area for waterfowl especially ducks and breeding mute swans. Bittern and marsh crake present, white heron/k tuku, wrybill/ngutupare, banded dotterel/pohowera, and royal spoonbill are regular visitors. Low wader numbers.</p> <p>Threatened Species: White heron/k tuku (O), royal spoonbill (O), wrybill/ngutupare (B), banded dotterel/pohowera (C), Australasian bittern (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Te Waihora is of cultural significance to Ng i Tahu.</p> <p>Visitor Use: Low</p> <p>Facilities: Boardwalk and bird viewing hide. Water supply bore.</p> <p>Other Features: - Considered to be the most important area around Te Waihora/Lake Ellesmere for swamp birds, principally because of the extent of suitable habitat. This is despite the predominance of willows. - Also one of most important areas on the lake for waterfowl especially ducks.</p>	
THREATS To Ecological Features: Animal Threats: Stock intrusion. Cattle pose the main threat to wetlands. Plant Threats: Gorse, blackberry, willow - extensive, aquatic weed spread. Other: Effluent discharge via streams and drains; major alterations to lake level regime, illegal game bird shooting.	
MANAGEMENT Issues: Assess weed control needs and current problems. Priorities: : Preparation of joint Ng i Tahu/DOC Te Waihora Management Plan.	

LAND UNIT: M36192	NAME: LAKESIDE WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? : Y Grid Reference : 2458765 5710388 Legal Description : SEC 1 Survey Blk & District : III,VII SOUTHBRIDGE	CMS Map # : 8 Area : 101.1714 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Gently sloping lakeshore with a varied mosaic of communities, from foreshore and salt turf to freshwater wetlands and pasture. Originally part of a farm.</p> <p>Location: N margin of Lake Ellesmere/Te Waihora, S of Timber Yard Point.</p> <p>Main Ecosystems: Woody exotic shrub and treelands; dry and wet pasture; foreshore turf land; foreshore sedgeland; salt turf; rushland over salt turf; freshwater sedge, rush and reed lands.</p> <p>Main Plant Species: Gorse, willow (<i>S. fragilis</i> and <i>S. cinerea</i>); introduced grasses; <i>Minutus repens</i>, <i>Lilaeopsis novae-zelandiae</i>, <i>Cotula coronopifolia</i> (introduced); <i>Schoenoplectus pungens</i>; <i>Selliera radicans</i> (dominant in salt turf), <i>Sarcocornia quinqueflora</i>, <i>Plantago coronopus</i>, <i>Puccinellia stricta</i>, <i>Juncus maritimus</i>/w w ; <i>Carex sinclairii</i>, <i>Juncus</i> spp.; raup , flax/harakeke (minor); <i>Schoenus pauciflorus</i> around a freshwater pond.</p> <p>Notable Fauna: Area is of high value for swamp birds and moderate for New Zealand waders and waterfowl. 30 wetland species recorded. Reserve supports large winter flocks of black-billed gulls and has been a key site for cattle egret. Banded dotterel/pohowera, wrybill/ngutupare sometimes present.</p> <p>Threatened Species: Banded dotterel/pohowera (C), wrybill/ngutupare (B), only regularly recorded threatened species.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Significant to Taumutu and the runanga. Lantern lease to Ng i Tahu over northern 2 ha area as mahinga kai, as part of Ng i Tahu Claims Settlement Act 1998.</p> <p>Visitor Use: Shooters, bird watchers, fisher access.</p> <p>Facilities: Nil.</p> <p>Other Features: - Foreshore of the southern section has very high botanical value (Partridge 1989). - Salt flat vegetation is abundant around the lake but rare elsewhere in New Zealand.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Cattle damage to foreshore.</p> <p>Plant Threats: Minor gorse and willow species present. Salt tolerant adventives may increase under heavy grazing regimes.</p> <p>Other: Major changes to the lake level regime (potential threat to ecosystems).</p>	
MANAGEMENT <p>Issues: Assess stock damage and grazing management; statutory weed control (especially of gorse from old hedges); monitor condition of the various habitats. Minimise willow spread.</p> <p>Priorities: Reassess grazing licence. Ng i Tahu settlement implementation Te Waihora Management Plan. – joint preparation by Ng I Tahu and DOC.</p>	

LAND UNIT: M36422 (also includes M36477)	NAME: LYTTELTON (R101) RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2487500 5735500 Legal Description : PT RES. 101; RS 38441, 38442 Survey Blk & District : XVI CHRISTCHURCH IV HALSWELL	CMS Map # : 8 Area : 28.795 ha Ecological District : Port Hills Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Very steep, south-facing, upper-lowland hillslopes with extensive moist bluff systems, bushed gully, rough pasture and regenerating shrub/treeland.</p> <p>Location: South face of the Port Hills, NW and above Lyttelton, Banks Peninsula.</p> <p>Main Ecosystems: Exotic pasture with silver tussock/w ; 2nd growth mixed broadleaved forest; treeland/shrubland; bluff vegetation.</p> <p>Main Plant Species: Diverse exotic pasture species, including cocksfoot, fog and browntop, silver tussock/w , occasional shrubs, e.g. <i>Coprosma virescens</i>; m hoe, fuchsia/k tukutuku, broadleaf/k puka, fivefinger, akiraho, <i>Coprosma rotundifolia</i>; k nuka, matagouri, narrow-leaved lacebark, flax/harakeke; <i>Metrosideros diffusa</i>, prostrate k whai, mingimingi, <i>Hymenophyllum rarum</i>, karam , rich range of fern species.</p> <p>Notable Fauna: Ideal lizard/ng rara habitat.</p> <p>Threatened Species: PLANTS: <i>Leptinella nana</i> (A;IUCN-E), <i>Myosotis "lytteltonensis"</i> (A;IUCN-V), <i>Ileostylis micranthus</i> (IUCN-L), <i>Brachyglottis saxifragoides</i> (IUCN-E; taxonomically indeterminate), <i>Olearia fragrantissima</i> (B;IUCN-R).</p> <p>Landscape: A regionally significant natural feature.</p> <p>Historic/Cultural: World War II military sites, Major Hornbrook's track, Forrester's farmhouse site (a European style building with cows underneath), rock quarry and bins, part incline.</p> <p>Visitor Use: High</p> <p>Facilities: Nil</p> <p>Other Features: Reserve has <i>Hoheria populnea</i> var. <i>lanceolata</i>, <i>Hymenophyllum rarum</i> and <i>H. multifidum</i>, uncommon plants in Canterbury.</p>	
THREATS To Ecological Features: <p>Animal Threats:Grazing by stock; possums, rabbits</p> <p>Plant Threats: Gorse, broom (major)</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Maintain gorse and broom cover as nursery for regeneration; grazing; walkway development along sensitive areas.</p> <p>Priorities: Manage gorse and brom for regeneration of indigenous vegetation. Complimentary recreational developments.</p>	

LAND UNIT: M36463	NAME: HUNTER NATIVE FOREST SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2487700 5729500 Legal Description : LOTS 9,14 DP 12306 LOT 2 DP 46562 Survey Blk & District : IV,VIII HALSWELL IV,VIII HALSWELL	CMS Map # : 8 Area : 8.2161 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Small area of riparian coastal-lowland mixed-broadleaved forest and scrub with large area of planted natives exotic to ecological district in a steepish narrow gully.</p> <p>Location: Lower Church Gully, Church Bay/Whakaraup , Lyttelton Harbour, Banks Peninsula.</p> <p>Main Ecosystems: 2nd growth k nuka-dominant and mixed-broadleaved forest; dry bluffs; scrub; silver tussock/w rough pasture; area of planted native trees and shrubs foreign to Herbert Ecological District.</p> <p>Main Plant Species: K nuka, m hoe, lowland fivefinger, k whai, k h h , <i>Hoheria angustifolia</i>; prostrate k whai; <i>Hebe strictissima</i>, leafless clematis, <i>Cheilanthes distans</i>; <i>Corokia cotoneaster</i>/korokio, <i>Rubus squarrosus</i>, matagouri, k nuka; silver tussock/w , ngaio, <i>Microlaena stipoides</i>, range of planted natives, including rimu, mountain beech/tawai, North Island k whai, r t , <i>Cordyline banksii</i>, etc.</p> <p>Notable Fauna: Bellbirds/k parapara or korimako, skinks/mokomoko (unspecified).</p> <p>Threatened Species: <i>Ileostylis micranthus</i> (IUCN-L)</p> <p>Landscape: Significant example of local landscape.</p> <p>Historic/Cultural: Diverse introduced plantings.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Gully, despite limited botanical values, has important scenic/aesthetic values, especially above reserve.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Nil</p> <p>Plant Threats: Large range of planted native trees not from or found in Herbert Ecological District. Many invasive naturalised species.</p> <p>Other: Gorse</p>	
MANAGEMENT <p>Issues: Manage for amenity/aesthetic values, thus 'weeds' (both native but especially naturalised species) could be considered of interest and integral to reserve's character.</p> <p>Priorities: Determine strategy for management of adventive and introduced indigenous species.</p>	

LAND UNIT: M36470	NAME: WARDS WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :N Grid Reference : 2462748 5720183 Legal Description : LOT 1 DP 10043 Survey Blk & District : XI,XII,XV,XVI LEESTON	CMS Map # : 8 Area : 77.4972 ha Ecological District : Low Plains Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Lake margin environment on the NW shore of Te Waihora/Lake Ellesmere. Reserve comprises partly developed pasture farmland and increasingly waterlogged rush and sedgeland then a narrow sand flat zone.</p> <p>Location: The SW edge of area known as Rennie's Bay, W of Selwyn River/Waikirikiri mouth.</p> <p>Main Ecosystems: Pasture land grading into rush and sedgelands; saline turf. (Exact site details unknown)</p> <p>Main Plant Species: Introduced pasture species including <i>Agrostis stolonifera</i>, <i>Juncus effusus</i>'w w , <i>J. maritimus</i>'w w , <i>Schoenoplectus pungens</i>, <i>Sarcocornia quinqueflora</i>, willow.</p> <p>Notable Fauna: 27 wetland birds in Rennie's Bay area. See O'Donnel 91985) for species list and discussion. Few migrant waders seen. Little shag/k au, banded dotterel/pohowera, royal spoonbill, occasional cattle egret, Caspian tern/tara and black-fronted tern/tarapirohe.</p> <p>Threatened Species: Banded dotterel/pohowera (C), Caspian tern/tara (O), black-fronted tern/tarapirohe (B) (low numbers only)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Lakeshore significant to Ng i Tahu</p> <p>Visitor Use: Shooters</p> <p>Facilities: Nil</p> <p>Other Features: Considered in 1981/82 to be of moderate value to waterfowl and waders and moderate to high value to swamp birds. Grazing licence. Maimais</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock.</p> <p>Plant Threats: Willows in freshwater habitats, gorse.</p> <p>Other: Unknown.</p>	
MANAGEMENT <p>Issues: Grazing management, lake level alterations, regular assessment.</p> <p>Priorities: Investigate land exchange for neighbouring wetland. Te Waihora Management Plan – joint plan by Ng i Tahu and DOC</p>	

LAND UNIT: M36471	NAME: WILLIAMS WILDLIFE MANAGEMENT RESERVE
ADMINISTRATION Legal Status : Government Purpose Wildlife Management Reserve Reserve Classified ? :N Grid Reference : 2461541 5718866 Legal Description : LOTS 1,2 DP 23120 SEC 12 Survey Blk & District : XV LEESTON XV LEESTON	CMS Map # : 8 Area : 87.7231 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Selwyn
DESCRIPTION <p>General: Modified lakeshore environment with a narrow band of reedbeds backed by mixed rush and shrub pasturelands that grade into pasture further away from the lake.</p> <p>Location: NW shore of Te Waihora/Lake Ellesmere, near outlet of Woods Creek. 1km SW of Wards Wildlife Management Reserve.</p> <p>Main Ecosystems: No site specific details. Ecosystems common to this locality are rush and sedgeland, rush shrubland, minor willow dominant swampland, minor mudflat areas.</p> <p>Main Plant Species: <i>Schoenoplectus pungens</i>, <i>Juncus maritimus</i> w , jointed rush, shore ribbonwood, <i>Scirpus</i> sp. <i>Carex</i> spp. Further details in Clark and Partridge (1984)</p> <p>Notable Fauna: 24 wetland bird species recorded. Marsh crake, Australasian bittern, cattle egret, little shag/k au, common waterfowl species are numerous.</p> <p>Threatened Species: Australasian bittern (O).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Lake margin of significance to Ng i Tahu.</p> <p>Visitor Use: Low, shooters and fishers access.</p> <p>Facilities: Nil</p> <p>Other Features: Grazing licence.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock</p> <p>Plant Threats: Willows, other threats unknown.</p> <p>Other: Water level and quality changes.</p>	
MANAGEMENT <p>Issues: Reassessment needed.</p> <p>Priorities: Grazing to lake margin needs reassessment. Te Waihora Management Plan – joint plan by Ng i Tahu and DOC</p>	

LAND UNIT: M36478	NAME: TAUHINU - KOROKIO SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2488000 5735000 Legal Description : PT RS 34917,350,500,1963, PT LOT 1 DP 4462 Survey Blk & District : IV HALSWELL I PIGEON BAY I PIGEON BAY	CMS Map # : 8 Area : 119.8881 ha Ecological District : Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Mostly steep to very steep, south-facing volcanic hillslopes dropping from a gentle ridge, including mixed-broadleaved forest, silver tussock/w land and some species-rich bluff systems.</p> <p>Location: N and above Lyttelton, Port Hills, Banks Peninsula.</p> <p>Main Ecosystems: Lowland mixed-broadleaved forest; bluff vegetation; silver tussock/w land; scrub/shrubland, including broom/gorse regeneration.</p> <p>Main Plant Species: M hoe, ngaio, fuchsia/k tukutuku, ribbonwood, fivefinger, lancewood/horoeka, k whai, <i>Coprosma</i> spp./karam ; prostrate k whai, <i>Dracophyllum acerosum</i>, <i>Hebe strictissima</i>, <i>Helichrysum bellidioides</i>, porcupine shrub; silver tussock/w , <i>Rytidosperma clavatum</i>, exotic pasture species.; <i>Hoheria angustifolia</i>, ribbonwood, k nuka, m pou, broom, gorse.</p> <p>Notable Fauna: Skink/mokomoko, (unspecified); no faunal assessment found.</p> <p>Threatened Species: PLANTS: <i>Leptinella nana</i> (A;IUCN-E); <i>Coprosma wallii</i> (I), <i>Ileostylis micranthus</i> (IUCN-L), <i>Olearia fragrantissima</i> (B;IUCN-R)</p> <p>Landscape: Part of regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Drystone dykes (fences) of Chalmer's farm site. World War II anti-aircraft gun emplacements. Old sheep dip site for first sheep imports.</p> <p>Visitor Use: Medium use of Chalmers Track</p> <p>Facilities: Nil</p> <p>Other Features: Abundant <i>Trentepohlia iolithus</i> (a red green alga) on rocks, and abundant lichens. <i>Hoheria populnea</i> var. lanceolata, an uncommon tree, is found here.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Grazing.</p> <p>Plant Threats: <i>Clematis vitalba</i> (limited but threatening)</p> <p>Other: Fire, especially if left ungrazed.</p>	
MANAGEMENT <p>Issues: Grazing, internal fencing</p> <p>Priorities: Fire Control. Assess grazing as a management tool.</p>	

LAND UNIT: M37010	NAME: WAIHORA SCIENTIFIC RESERVE
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? :Y Grid Reference : 2471999 5709229 Legal Description : RES 683 Survey Blk & District : V ELLESMERE	CMS Map # : 9 Area : 80.6639 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Part of the gravel barrier impounding Te Waihora (Lake Ellesmere) extending from lake margin to crest of central barrier ridge. Extensively grazed grassland and margin of wetland plants.</p> <p>Location: Mid point of Kaitorete spit, between the lake and access road, Te Waihora.</p> <p>Main Ecosystems: Plagianthus-rush wetland, dry grassland, low shrubland.</p> <p>Main Plant Species: No information on species present. <i>Muehlenbeckia complexa</i>, <i>Melicytus alpinus</i>, <i>Carmichaelia appressa</i> inferred in shrubland. <i>Plagianthus divercatus</i> dominant in wetland area.</p> <p>Notable Fauna: No information.</p> <p>Threatened Species: <i>Muehlenbeckia astonii</i> (A) recorded nearby, requires verification for this site. <i>Carmichaelia appressa</i> (C) presence also inferred.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Timber depot and landing area (no physical evidence left). Possible M ori occupation site.</p> <p>Visitor Use: Lake access</p> <p>Facilities: None</p> <p>Other Features: No information, wetland area is one of two relatively unmodified Plagianthus/rush wetland areas along the Kaitorete spit lakeshore.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Intensive stocking by sheep/cattle.</p> <p>Plant Threats: Marram grass</p> <p>Other: Pasture development and improvement.</p>	
MANAGEMENT <p>Issues: Assessment of ecological values and threats.</p> <p>Priorities: Ecological assessment. Inclusion with Te Waihora joint Management Plan by Ng i Tahu and DOC.</p>	

LAND UNIT: M37011 (also includes M37009, M37012, M37014, M37023, M37024, M37026, M37028, M37029, M37030)	NAME: KAITORETE SPIT SCIENTIFIC RESERVE AND CONSERVATION AREA
ADMINISTRATION Legal Status : Scientific Reserve; Section 62, Conservation Act; Marginal Strip. Reserve Classified ? :Y Grid Reference : 2475689 5708421 Legal Description : RS 40773, 40772, 40771 SO 17184, SO 14396; RS 42182; RS 40770 SO 14395; R.S. 40766; PTS RS 42181 SO 17139 SO 16713; ADJ RS 40825; ADJ RS 40766, 40767, 40768, 40769; ADJ RS 40770, 40771, 40772, 40773; ADJ RS 40774; RS 40774; ADJ RS 40817. Survey Blk & District : V, VI, VII, VIII ELLESMERE VII, VIII SOUTHBRIDGE	CMS Map # : 9 Area : 894.3734 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Sand and gravel barrier complex with extensive coastal sand dunes. Complex associations of sedgelands, herbfields and shrublands.</p> <p>Location: Coastal barrier between Te Waihora (Lake Ellesmere) and the Pacific Ocean, approximately 45km from Christchurch.</p> <p>Main Ecosystems: P ngao sedgelands, Raoulia dune hollow cushion herbfields, Inner dune shrublands.</p> <p>Main Plant Species: P ngao; <i>Raoulia australis</i>, <i>Scleranthus uniflorus</i>, <i>Pinelia prostrata</i>, <i>Zoysia miaima</i>, <i>Bromus diandrus</i>; pohuehue, <i>Carmichaelia</i> apressa, sand birdweed, catsear, sorrel, <i>Craspedia lanta</i>, <i>Rhagodia triandra</i>, harestail, <i>Bromus diandrus</i>, silver tussock/w , bidi bidi, <i>Acaena aequipila</i>, <i>Stipa variabilis</i>, <i>Rytidosperma mareda</i>.</p> <p>Notable Fauna: Breeding sites of: NZ pipit/p hoihoi, banded dotterel/pohowera, southern black backed gull/karoro, red billed gull, white fronted tern/tara, Caspian tern. The skink/mokomoko <i>Leiopsima linesocellafum</i> and <i>L. nigniplantare macanni</i> have been recorded on the spit. Two rare species of moth endemic to Kaitorete Spit/Mokomoko are present in the reserve, <i>Kiwaia jena</i> and <i>Kupea electilis</i>. The rare Canterbury darkling beetle <i>Mimopeus granulosis</i> is known from Birdlings Flat and may be present on the spit.</p> <p>Threatened Species: <i>Carmichaelia apressa</i> (IUCN-L), <i>Muehlenbeckia astonii</i> (A), <i>Craspedia Kaitorete</i> (IUCN-E)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Numerous archaeological sites. Of significance to Ng i Tahu</p> <p>Visitor Use: Medium</p> <p>Facilities: Nil</p> <p>Other Features: Geopreservation site of national importance.. Largest unmodified dune system in Canterbury. Largest dune population of p ngao in NZ. Large mixed sand gravel sequences with associated dry dune systems such as this are rare both nationally and internationally. Southern limit of <i>Dodonaea viscosa</i> and <i>Muehlenbeckia astonii</i>. Presence of <i>Carmichaelia corrugata</i> which is uncommon.</p>	
THREATS <p>To Ecological and Archaeological Features:</p> <p>Animal Threats: Domestic stock, rabbits, hares.</p> <p>Plant Threats: Marram grass, broom, gorse, boxthorn, tree lupin.</p> <p>Other: Motorbike scrambling, 4x4's.</p>	
MANAGEMENT <p>Issues: - Damage by stock and rabbits/hares. - Damage by inappropriate recreational use. - Marram, broom, gorse, boxthorn control. - Threatened plants - protection and management.</p> <p>Priorities: Discourage inappropriate recreational activities. Control marram, broom, gorse and boxthorn. Protect threatend plant populations from browse by stock and rabbits and enhance through artificial propagation. Integrate management of all Kaitorete Spit areas Management Plan: Plan approved for scientific reserve 1986, expired 1991. To be revoked under S40A(4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: M37031	NAME: KAITORETE SPIT CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2469936 5708176 Legal Description : ADJ RS 35679 Survey Blk & District : V ELLESMERE	CMS Map # : 9 Area : 31.0004 ha Ecological District : Ellesmere Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Dry short tussock shrubland on two levels of flat, well-draining gravel terrace and terrace riser.</p> <p>Location: Centre of Kaitorete Spit, SW of Christchurch.</p> <p>Main Ecosystems: Short tussock pasture with shrubs (lower terrace with fewer shrubs than upper).</p> <p>Main Plant Species: <i>Rytidosperma caespitosa</i>, moss, exotic pasture grass and herb species, <i>Crassula sieberiana</i>, <i>Raoulia australis</i>, porcupine plant, prostrate broom, pohuehue, matagouri, <i>Isolepis nodosa</i>, <i>Carex comans</i>.</p> <p>Notable Fauna: Not assessed. Skink/mokomokos and geckos</p> <p>Threatened Species: PLANTS: <i>Muehlenbeckia astonii</i> (A;IUCN-E), prostrate broom (<i>Carmichaelia appressa</i>) (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Area is of archaeological and cultural importance. Of significance to Ng i Tahu</p> <p>Visitor Use: Medium</p> <p>Facilities: Nil</p> <p>Other Features: <i>Muehlenbeckia astonii</i> is at its southern limit of distribution on Kaitorete Spit. Spit has at least 3 species of endemic moth, and possibly other invertebrates. Likely to be good lizard habitat.</p>	
THREATS <p>To Ecological and Archaeological Features:</p> <p>Animal Threats: Grazing, especially W portion of area; rabbits, hares, cattle and sheep.</p> <p>Plant Threats: Exotic pasture herbs and grasses.</p> <p>Other: Fire, 4WD vehicles and trail bikes</p>	
MANAGEMENT <p>Issues: Reassess grazing regime; fire prevention and control; faunal assessment of area; fencing.</p> <p>Priorities: Protection of p ngao. Control marram.</p>	

LAND UNIT: N31001 (also includes N31002)	NAME: HOSSACK CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2508854 5863519 Legal Description : PT RUN 17 SO 17141; PT RUN 279 SO 17141 Survey Blk & District : III,IV LYNDON XII,XV,XVI PERCIVAL VI,IX,X,XIII,XIV TERAKO I,II WAIAU XII,XV,XVI CHEVIOT	CMS Map # : 2 Area : 7170.0000 ha Ecological District : Dillon Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Steep, eroded and dissected mountains and high hills in tussockland with areas of alpine herbfields and patches of mountain beech/tawai. Area is in two blocks about 3-5kms apart.</p> <p>Location: Northern part of Hanmer Range south of the Clarence River, NE of Hanmer Springs.</p> <p>Main Ecosystems: Short tussock grassland; tall tussock grassland; alpine fell and herbfields; matagouri shrubland; mountain beech/tawai forest; exotic pasture.</p> <p>Main Plant Species: <i>Festuca novae-zelandiae</i>, blue tussock, silver tussock/w ; <i>Chionochloa macra</i>, <i>C. flavescens</i>; <i>Raoulia glabra</i>, <i>R. mammilaris</i>, <i>Dracophyllum uniflorum</i>, snow t tara, <i>Aciphylla scott-thomsonii</i>; matagouri, k nuka, m nuka; mountain beech/tawai; brown top and other exotic pasture grasses.</p> <p>Notable Fauna: Black shag/k au, paradise shelduck/p takitaki, NZ falcon/k re rea, morepork/ruru koukou, tomtit/miromiro, pipit/p hoihoi, t , brown creeper, banded dotterel/pohowera, pied stilt/poaka, black-fronted tern/tarapirohe.</p> <p>Threatened Species: K re rea (B), banded dotterel/pohowera (C), black-fronted tern/tarapirohe (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Retired from Hossack Station</p> <p>Visitor Use: Recreational hunting</p> <p>Facilities: N/A</p> <p>Other Features: Likely to be plants confined to vicinity in area, e.g. <i>Haastia</i> sp. (undescribed) on screens.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock grazing and rabbits, goats, possums.</p> <p>Plant Threats: <i>Hieracium pilosella</i>; sweet briar, wilding pines and other tress, broom.</p> <p>Other: Erosion, fire</p>	
MANAGEMENT <p>Issues: Grazing; further ecological survey needed; control of sweet briar; extension of Jollies Pass Scenic Reserve to include Western block; goat control; broom control.</p> <p>Priorities: Ecological assessment. Wilding conifer and broom control. Add western block to Jollies Scenic Reserve. Add eastern block to Snowdon Station proposed reserve. Fire control</p>	

LAND UNIT: N32001	NAME: JOLLIES PASS SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : N Grid Reference : 2503336 5858725 Legal Description : RS 41938, 41939, 41940 Survey Blk & District : IX, XII PERCIVAL	CMS Map # : 2 Area : .2124.2000 ha Ecological District : Miromiro Area Office : North Canterbury District Council : Hurunui District Council
DESCRIPTION <p>General: Steep, rugged mountainland dissected by streams and Jacks and Jollies passes. Open shrub and tussock country with small patches of beech forest. Adjoins Hanmer Forest Park.</p> <p>Location: Mainly on the northern side of the Hanmer Range, north east of Hanmer Springs township and south of the Clarence River</p> <p>Main Ecosystems: Tussock grassland; alpine fell and herb fields; subalpine scrub; beech forest; m nuka shrubland.</p> <p>Main Plant Species: <i>Chionochoa rubra</i>, <i>C. pallens</i>, <i>C. australis</i>, <i>C. flavescens</i>, Silver tussock/w , blue tussock, snow t tara; Mountain beech/tawai, k nuka, m nuka, <i>Dracophyllum</i> sp, matagouri. No further details known.</p> <p>Notable Fauna: Brown creeper, k re rea, pipit/pihoihoi, bellbird/k parapara or korimako, kea, rifleman/t tipounamu.</p> <p>Threatened Species: K re rea (B), kea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Jollies Pass, in particular, was an important droving route between Nelson and Canterbury. Route also used previously by M ori travellers. Note: Acheron Accommodation house of cob construction (1863) lies north of this reserve on Molesworth Station. Managed by DOC North Canterbury for DOC Nelson/Marlborough.</p> <p>Visitor Use: Day walking, tramping, recreational hunting</p> <p>Facilities: N/A</p> <p>Other Features: No data</p>	
THREATS To Ecological Features: <p>Animal Threats: Domestic stock, hares, possums</p> <p>Plant Threats: Broom, wilding conifers, sweet brier.</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Weed control to protect ecological and landscape values More thorough assessment of ecological values</p> <p>Priorities: Assessment of ecological values. Broom and wilding conifer control. Fire control.</p>	

LAND UNIT: N32033 (also includes N32034)	NAME: WAIRANGI SCENIC RESERVE AND ADJACENT CONSERVATION AREA
ADMINISTRATION Legal Status : Scenic Reserve; Section 62, Conservation Act Reserve Classified ? :Y Grid Reference : 2516807 5853910 Legal Description : RS 41378 RS 41377 SO 15771 Survey Blk & District : II WAIUAU	CMS Map # : 2 Area : 51.7600 ha Ecological District : Dillon Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Rolling, stream-dissected, upper-lowland hill country with beech-podocarp forest in two reserved blocks about 500m apart.</p> <p>Location: Near Inland Kaikoura Road between Lottery and Wandle Rivers, c.20km E of Hanmer Springs.</p> <p>Main Ecosystems: Beech-podocarp forest; beech forest; regenerating m nuka-beech shrubland.</p> <p>Main Plant Species: Mountain beech/tawai, kahikatea, mata , rimu, p k k , mingimingi; mountain beech/tawai, <i>Coprosma</i> spp./karam ; m nuka, mountain beech/tawai, grass spp., <i>Polystichum</i> broadleaf/k puka sp.</p> <p>Notable Fauna: Tomtit/miromiro, bellbird/k parapara or korimako, kerer , t (reported), rifleman/t tipounamu (reported).</p> <p>Threatened Species: Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Very low day visitors</p> <p>Facilities: N/A</p> <p>Other Features: No data</p>	
THREATS To Ecological Features: <p>Animal Threats: Pigs, possums, wasps</p> <p>Plant Threats: NO weed threats apparent in 1997</p> <p>Other: Top-dressing drift and/or run-off. Fire</p>	
MANAGEMENT <p>Issues: Fence E block as part of larger "Wandle Bush" (over 150ha) - consider additions.</p> <p>Priorities: Fence maintenance, possum control.</p>	

LAND UNIT: N32113	NAME: TERAKO DOWNS SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : N Grid Reference : 2520000 5855000 Legal Description : LOT 1, DP 65299 Survey Blk & District : XIV TERAKO, II WAIUAU	CMS Map # : 2 Area : 191.4700 ha Ecological District : Manakau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Mountain and black beech forest with scattered emergent podocarps on tertiary rock and loess covered hillslopes and gullies. Logging threatened the forest until Crown-purchase then reservation in 1994.</p> <p>Location: West of Inland Road (SH 70) between Waiiau and Kaikoura, 15km N of Waiiau township, inland North Canterbury.</p> <p>Main Ecosystems: Beech forest with scattered and clustered podocarps; five induced seral communities of k nuka, m nuka and cassinis shrubland and forest; grading into a native pasture ecosystem.</p> <p>Main Plant Species: Black beech, mountain beech/tawai, kahikatea, mata , rimu (rare), p k k , marbleleaf, <i>Lophomyrtus obcordata</i>, broadleaf/k puka , lancewood/horoeka, <i>Neomyrtus pedunculata</i>, <i>Coprosma linariifolia</i>; k nuka, m nuka, <i>Cassinia leptophylla</i>, <i>Leucopogon fasticulatus</i>, <i>Cyathodes juniperina</i>.</p> <p>Notable Fauna: Common bush birds including tit/miromiro, rifleman/t tipounamu and kerer . Bush robin/kakaruai recorded.</p> <p>Threatened Species: Kerer (B)</p> <p>Landscape: Is a regionally significant feature or landscape</p> <p>Historic/Cultural: Not known</p> <p>Visitor Use: Very low day visitors</p> <p>Facilities: N/A</p> <p>Other Features: Wainuna sp an endemic land snail present. Area was ranked as a SSWI of high value. Rimu, kahikatea and to a lesser extent mata , are comparatively rare in Canterbury, after depletion by major logging. Widespread local interest in this scenic area.</p>	
THREATS To Ecological Features: <p>Animal Threats: Past stock damage recorded in 1987 but possums are likely to be an ongoing threat, wasps</p> <p>Plant Threats: No weed problems apparent in 1992</p> <p>Other: Past logging of podocarps as recently as 1987. Fire</p>	
MANAGEMENT <p>Issues: Grazing stock, possums, wasps</p> <p>Priorities: Fence maintenance Monitor possums</p>	

LAND UNIT: N33010	NAME: CULVERDEN SCIENTIFIC RESERVE
ADMINISTRATION Legal Status : Scientific Reserve Reserve Classified ? : Y Grid Reference : 2500653 5825742 Legal Description : SEC 85 Survey Blk & District : VI,VII CULVERDEN	CMS Map # : 5 Area : 15.0000 ha Ecological District : Culverden Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: A fenced remnant of 1-2m high k nuka woodland on flat, stony and well drained land on the intensively farmed Culverden Plain.</p> <p>Location: Corner of St Leonards and Kaiwara Rds, 3km east of Culverden township.</p> <p>Main Ecosystems: Mosaic of k nuka woodland, open grassland, and moss and grassland clearings amongst shrubs.</p> <p>Main Plant Species: K nuka, matagouri, porcupine scrub, sweet vernal, <i>Elymus rectisetus</i>, woolly moss, <i>Hieracium pilosella</i>, cats ear, rip gut broom, native shrub broom. Numerous moss and lichen species.</p> <p>Notable Fauna: Unknown.</p> <p>Threatened Species: <i>Coprosma intertexta</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Historic botanical interest. Could be considered a "heritage landscape".</p> <p>Visitor Use: Entry by permit only</p> <p>Facilities: N/A</p> <p>Other Features: One of few examples of uncultivated and unirrigated soils on Culverden Plain.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Rabbits.</p> <p>Plant Threats: Potential invasion of broom and gorse. Loss of native grassland species and regeneration of shrubs because of vigorous growth of adventives.</p> <p>Other: Fire, spray drift, fertiliser drift, water runoff from irrigation.</p>	
MANAGEMENT <p>Issues: Reassess effects of adventive species. Full protection may not be aiding nature conservation.</p> <p>Priorities: Assess impacts of adventive grass species. Bromm and gorse control. Rabbit control.</p>	

LAND UNIT: N33039 (also includes N33041)	NAME: BOUNDARY CREEK SCENIC RESERVE.
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2515293 5803449 Legal Description : RS 41573, 41574 SO 16326; RS 41574 SO 16326 Survey Blk & District : XI STONYHURST	CMS Map # : 5 Area : 74.35 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Lowland forest remnant in the gullied upper and upper middle reaches of Boundary Creek Stream has become incised in tertiary sandstones near below Glendhu Rd and extends upstream into greywacke hillslopes up to 200m a.s.l. Dry unstable gully slopes common</p> <p>Location: Both sides of Glendhu Rd, off Motunau Beach Rd. In coastal hill country E of Greta Valley settlement, SH1.</p> <p>Main Ecosystems: Gradations of several lowland forest types: mixed black beech and k nuka forest on spurs, ridges (NW of Glendhu Rd) and dissected gully slopes (SE of road); broadleaved forest (with minor podocarp component) on hillsides and gully floors; broadleaved forest in upstream gullies; shrubland on hillslopes on forest margins.</p> <p>Main Plant Species: Black beech/tawai, <i>Coprosma</i> spp/karam ., <i>Helichrysum lanceolatum</i>, <i>Cyathodes juniperina</i>, <i>C. fasciculata</i>; k nuka, m hoe, broadleaf/k puka, five-finger, k whai, prostrate k whai, scattered podocarps k h h ; k nuka.</p> <p>Notable Fauna: Kerer , abundant common bush birds.</p> <p>Threatened Species: ANIMALS: kerer (B) (recorded in 1981) PLANTS: Teucrium parviflorum (C)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: - Beech/tawai stands are uncommon in coastal Canterbury. - Unusual occurrence of podzolic soils under beech forest on free-draining Tertiary sandstones. - Fossil and subfossils exposed in stream-cut cliffs and banks.</p>	
THREATS To Ecological Features: Animal Threats: Deer, feral stock, possums, goats. Plant Threats: Nassella tussock, gorse, minor broom, blackberry and sweet briar, old man's beard (potential) Other: Fire - lower beech forests are relatively dry.	
MANAGEMENT Issues: Animal control. Control weed spread on to neighbouring property. Priorities: Control noxious plants as required. Co-operate with adjacent landholders in cancelling Tb vectors.	

LAND UNIT: N33040	NAME: CRANKY TOM SCENIC RESERVE.
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2514120 5800320 Legal Description : RS 41579 SO 16328 Survey Blk & District : XI,XV STONYHURST	CMS Map # : 5 Area : 50.4500 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Upper reaches of Cranky Tom Stream. Lowland inland forest on gentle to steep valley sides.</p> <p>Location: Within coastal hill country NE of Motunau Beach Rd, SE of Greta Valley settlement. Not visible from the road.</p> <p>Main Ecosystems: Beech forest; k nuka shrubland.</p> <p>Main Plant Species: Black beech/tawai (dominant), <i>Coprosma</i> spp./karam , m hoe, k h hu, <i>Cyathodes juniperina</i>, <i>C. fasciculata</i>, broadleaf/k puka, fivefinger; k nuka (site specific details lacking).</p> <p>Notable Fauna: Brown creeper, K re rea, pipit/p hoihoi, bellbird/k parapara or korimako, kea, rifleman/t ti pounamu.</p> <p>Threatened Species: Common bush birds</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: The treefern species <i>Dicksonia squarrosa</i> is present here, uncommon in coastal North Canterbury.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Possums, feral stock, possibly deer, goats.</p> <p>Plant Threats: Old man's beard (potential), gorse, nassella, broom, sweet briar, boxthorn, elderberry.</p> <p>Other: Fire, parts of the beech forest are on very dry sites.</p>	
MANAGEMENT <p>Issues: Reassessment needed. (Past surveys have covered the whole catchment) Animal control.</p> <p>Priorities: Fence and maintain boundary fences. Removal of feral stock. Control noxious plants. Co-operate with adjoining landholders in controlling Tb vectors.</p>	

LAND UNIT: N33044	NAME: NAPENAPE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2529819 5806990 Legal Description : RS 40425 Survey Blk & District : I WELD	CMS Map # : 5 Area : 47.4000 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Dry coastal forest in a striking amphitheatre-shaped slumped area on the North Canterbury coast. Landforms include colluvial hillslope limestone bedrock cliffs and outcrops, scree, sinkholes and blockfields.</p> <p>Location: 5km SW of Hurunui River mouth, coastal North Canterbury.</p> <p>Main Ecosystems: Coastal forest on limestone substrate.</p> <p>Main Plant Species: <i>Dodonea viscosa</i>, ngaio, broadleaf/k puka (<i>Griselinia littoralis</i>), <i>Griselinia lucida</i>, kawakawa, red matipo/m pou, <i>Olearia paniculata</i>, k h h , <i>Coprosma robusta</i>/karam , <i>Hebe salicifolia</i>/koromiko.</p> <p>Notable Fauna: Tomtit/miromiro, kererū , common bush birds. Invertebrates and reptiles not surveyed.</p> <p>Threatened Species: Rare grass <i>Astrostyca littoralis</i> (IUCN-R) is found on coastal margin of the reserve, within the splash zone; Kererū (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Recorded archaeological site with middens, fire area, artefacts.</p> <p>Visitor Use: Medium. Camping, walking, fishing and diving access, day visitors.</p> <p>Facilities: 1 forty site camping ground.</p> <p>Other Features: - <i>Brachyglottis monroi</i> is present at its southern limit. - One of only 2 sites where Waikari rendzina soils (from limestone) are protected. Yellow-grey earths under native forest are uncommon in NZ. - Unusual and varied limestone landforms. - Napenape is listed as an ASCV for coastal planning purposes (area of significant conservation value). Designation reflect the high natural values of the reserve which is adjacent to the coast. - Reserve contains largest single collection of many species in Canterbury. - Excellent examples of <i>Griselinia lucida</i> trees with very large leaves and exposed roots on outcrops at shattered blocky limestone. - Recent study of subfossil remains recorded bones of sooty shearwater, 4 kiwi (species unknown), k k riki and t , all birds absent in today's fauna (See File BIR001, (46)).</p>	
THREATS To Ecological Features: Animal Threats: Stock - occasional intrusion by sheep - possums Plant Threats: Potential nassella tussock problem. Other: Fire from adjacent DOC camping ground and from private land.	
MANAGEMENT Issues: Weeds, stock, fire, recreation management. Priorities: Maintain pest control	

LAND UNIT: N33046	NAME: BALMORAL LOOKOUT (EX)
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2491523 5814619 Legal Description : RS 41590, 41591 Survey Blk & District : IV WAIKARI	CMS Map # : 5 Area : 39.4700 ha Ecological District : Culverden Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Moderately steep, dry rocky hillslopes above Hurunui River dissected by two minor valleys. A vehicle track climbs through introduced grassland and native shrublands to a disused fire lookout.</p> <p>Location: Adjacent and above SH7 Hurunui river bridge at the SE end of Culverden Basin.</p> <p>Main Ecosystems: Introduced grassland (80% of area); shrub grassland (15%), silver tussock/w grassland (5%); sedge and rush seepage wetland (minor)</p> <p>Main Plant Species: <i>Stipa nodosa</i> (introduced grass), sweet vernal, broom, horehound, wooly mullein; <i>Elymus rectisetus</i>, silver tussock/wi; prostrate k whai, matagouri; <i>Muehlenbeckia complexa</i>, <i>Coprosma propinqua</i>, lawyer, native convolvulus, t r kau/t k ura, ti, porcupine scrub and leafless clematis.</p> <p>Notable Fauna: Pipit/p ho hoi</p> <p>Threatened Species: <i>Muehlenbeckia astonii</i> (A) (2 known large shrubs)</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Historic fire lookout</p> <p>Visitor Use: Day visitors</p> <p>Facilities: Fire lookout</p> <p>Other Features: Potentially good lizard habitat</p>	
THREATS To Ecological Features: Animal Threats: Rabbits, stock Plant Threats: Broom, minor gorse and blackberry, and nassella tussock. Other: Broom spraying has damaged prostrate k whai and native shrubs. Fire (a very dry site)	
MANAGEMENT Issues: Assess stocking, consider land exchange of less natural areas. Weed control, with improved instruction for operators. Future of Fire Lookout Priorities: Weed control. Rabbit control.	

LAND UNIT: N34004	NAME: MT ARARAT R T RESERVE
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2497343 5794278 Legal Description : PT RES 4933 Survey Blk & District : II TEVIOTDALE	CMS Map # : 5 Area : 3.0000 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Isolated stand of southern r t on a small but prominent quartz sandstone outcrop surrounded by a privately-owned pine forest.</p> <p>Location: N of Mt Cass limestone ridge, at the head of Smothering Gully, Omihi, North Canterbury.</p> <p>Main Ecosystems: Sparse r t - k nuka and m nuka forest/ shrubland.</p> <p>Main Plant Species: Southern r t (<i>Metrosideros umbellata</i>) (often stunted), k nuka, m nuka, <i>Cyathodes fasciculata</i>, <i>C. juniperina</i>, <i>Gaultheria antipoda</i>, broadleaf/k puka (stunted, <i>Coprosma</i> spp., ti, <i>Pinus radiata</i>.</p> <p>Notable Fauna:</p> <p>Threatened Species: <i>Metrosideros umbellata</i></p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural:</p> <p>Visitor Use:</p> <p>Facilities: Nil</p> <p>Other Features: - This r t stand was considered to be far outside known climatic and geographic range of this species (Molloy and Wardle 1969). It is unusual in its proximity to the coast. The only other East Coast South Island site of r t is in the Catlins area. - Site includes 2 species at their known southern limits, herb <i>Celmisia monroi</i> and fern <i>Hymenophyllum cupressiforme</i>.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Possums, other browsing animals, possibly deer and goats.</p> <p>Plant Threats: Wilding pines, nassella tussock may spread to the island.</p> <p>Other: Fire, accidental or during forestry operations.</p>	
MANAGEMENT <p>Issues: Wilding pine removal, reassessment of condition and distinctiveness (as part of planned PNA survey).</p> <p>Priorities: Reassess values, threats and take management action necessary to protect key features.</p>	

LAND UNIT: N34010	NAME: MOTUNAU RIVER CONSERVATION AREA
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2516592 5795359 Legal Description : PT LOT 1 DP11958 RS 40703 RS 40704 SO 17144 Survey Blk & District : XV STONYHURST	CMS Map # : 5 Area : 4.0851 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Small tract of low lying land on true left of Motunau River at mouth. Formerly proposed as a scientific reserve.</p> <p>Location: Opposite Motunau Beach settlement on North Canterbury coast.</p> <p>Main Ecosystems: Introduced trees and grassland; dune pingao remnant (minor).</p> <p>Main Plant Species: P ngao, macracarpa, boxthorn, marram, exotic grasses.</p> <p>Notable Fauna: Pied shag/k au (breeding site in macrocarpa trees beside rivermouth). No further data.</p> <p>Threatened Species: Insufficient data.</p> <p>Landscape: Local coastal significance.</p> <p>Historic/Cultural: M ori occupation and midden sites.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Possible source area for fossils.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:No data.</p> <p>Plant Threats: Boxthorn.</p> <p>Other: Human disturbance of shags and cultural site, possibly from "harbour" and boat landing site protection works.</p>	
MANAGEMENT <p>Issues: Retain habitat for pied shags, ensure archaeological sites are not disturbed, ecological assessment needed.</p> <p>Priorities: Boxthorn control. Manage habitat for shags (replacement nesting trees). Survey for natural values, define threats and evaluate management options.</p>	

LAND UNIT: N34020	NAME: MOTUNAU ISLAND NATURE RESERVE
ADMINISTRATION Legal Status : Nature Reserve Reserve Classified ? :Y Grid Reference : 2516417 5793889 Legal Description : RES 103 Survey Blk & District : XV STONYHURST	CMS Map # : 5 Area : 2.0234 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Small flat-topped island of eroding cliffs. Tertiary rock, capped with loess and gravels, surrounded by wave-cut reefs. Friable soils are burrowed extensively by breeding seabirds. A key site for seabirds.</p> <p>Location: 1.2km south and offshore from Motunau River mouth, North Canterbury.</p> <p>Main Ecosystems: Introduced grassland on raised platform/plateau; grassland and herbfields on cliffs and scarps; mixed shrubland patches (mainly introduced species), rocky shore.</p> <p>Main Plant Species: Barley grass, ryegrass, silver tussock/w (once common), <i>Juncus distegus</i>/w w , native ice plant (<i>Disphyma australe</i>), boxthorn, tree nettle, fat hen (<i>Cheropodium murale</i>), scattered broadleaved shrubs including <i>Coprosma</i> spp. and <i>Muehlenbeckia complexa</i>, bracken/aruhe.</p> <p>Notable Fauna: White flippered race or type of little blue penguin/koror (breeding colony of 5000 birds), breeding populations of white-faced storm petrel, fairy prion, sooty shearwater/ti t , variable oystercatcher, white fronted terns/tara. 3 species of lizard including regionally uncommon <i>Leiopsima lineocellatum</i>. Rock platforms are used as a haul out area for fur seals/kekeno.</p> <p>Threatened Species: Little blue penguin/koror .</p> <p>Landscape: Is a regionally significant natural feature or landscape</p> <p>Historic/Cultural: Archaeological site.</p> <p>Visitor Use: Nil. Entry permit only.</p> <p>Facilities: Hut for management purposes.</p> <p>Other Features: - Supports half world's breeding population of NZ white faced storm petrel. An outstanding colony of little blue penguin/koror . - Island is free of introduced mammals. Rabbits have been eradicated. - Meets criteria as a coastal ASCV (area of significant conservation value). - Within an area suggested as a marine reserve.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Introduction of mammalian pests, self introduction of stoats.</p> <p>Plant Threats: Boxthorn (birds are impaled and burrows become inaccessible), barley grass extensive.</p> <p>Other: Human disturbance (illegal landings), especially damaging to burrows; fire.</p>	
MANAGEMENT <p>Issues: Boxthorn control, access policies and control, including enforcement, seabird monitoring, monitoring of predator free status at regular intervals.</p> <p>Priorities: Control of boxthorn, prepare and implment operational weed control plan. Encourage others to undertake structured seabird monitoring programme.</p> <p>Mangement Plan: Plan approved 1980, expired 1985. To be revoked under S 40A (4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: N34021	NAME: TIROMOANA SCENIC RESERVE (CASS PEAK AREA) (PART)
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2495163 5791359 Legal Description : SEC 10 SO 18669, SEC 10, SO 18669 Survey Blk & District : TEVIOTDALE II TEVIOTDALE	CMS Map # : 5 Area : 31.2980 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Regenerating lowland forest remnant on S facing gully and hillsides on dip slope of Mt Cass limestone, on low coastal hill country.</p> <p>Location: N of Mt Cass Road near Waipara, North Canterbury. Reserve extends from valley floor to a line just below ridge crest, SW of Mt Cass.</p> <p>Main Ecosystems: Lowland broadleaved-hardwood forest with podocarps; shrub tussockland (small areas included on margin, especially near ridge crest).</p> <p>Main Plant Species: Broadleaf/k puka , m hoe, five finger, k h h , lancewood/horoeka, ngaio, k whai, <i>Coproosam</i> spp./karam , narrow-leaved lacebark, <i>Fuchsia excorticata</i>/k tukutuku, <i>Urtica ferox</i>, mata , t tara, t toki (sparse); silver tussock/w , matagouri.</p> <p>Notable Fauna: No notable species recorded</p> <p>Threatened Species: <i>Ileostylis micranthus</i> (IUCN-L), <i>Tupeia antarctica</i> (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: - Limestone outcrops are a feature of the forest. - Notable t toki and podocarp component, k nuka uncommon. - Rare grass <i>Australopyrum calcis</i> spp. calcis 9A, is present on Mt Cass ridge limestone carp to the NE of the reserve. This species may also occur in the reserve. Search required.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Stock</p> <p>Plant Threats: Nassella tussock</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Complete fencing, public access may become limited by <i>Urtica ferox</i>. Adjoining covenant agreement.</p> <p>Priorities: Complete reservation status. Finalise adjoining covenant.</p>	

LAND UNIT: N34023	NAME: TIROMOANA SCENIC RESERVE (ELLA PEAK AREA) (PART)
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2498426 5788517 Legal Description : SEC 16 SO 18670, SEC 16, SO 18670 Survey Blk & District : VI, VII TEVIOTDALE, VI VIII TEVIOTDALE	CMS Map # : 5 Area : 59.5500 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Coastal hillslope and incised gully running from ridgetop to sea level, culling through a raised marine terrace. Gazetted as Scenic Reserve as recently as 1992.</p> <p>Location: Near Ella Peak on low hills adjacent to the coast, near Glenarife Beach, end of Mt Cass Road, North Canterbury coast.</p> <p>Main Ecosystems: K nuka dominant hardwood forest on hillslope and coastal gully.</p> <p>Main Plant Species: K nuka, <i>Coprosma robusta</i>, m hoe, broadleaf/k puka, <i>Coriaria arborea</i>, <i>Urtica ferox</i>, <i>Carpodetus serratus</i>, various <i>Corposma</i> shrub species.</p> <p>Notable Fauna: Common bush birds recorded.</p> <p>Threatened Species: Insufficient data</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Nil</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock, occasional deer, possum</p> <p>Plant Threats: Nasella tussock</p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Public access.</p> <p>Priorities: Assess fencing and management needs for this new reserve. Clarify public access provisions.</p>	

LAND UNIT: N34046	NAME: TEVIOTDALE ARCHAEOLOGICAL SITE
ADMINISTRATION Legal Status : Section 62, Conservation Act Reserve Classified ? : Grid Reference : 2495297 5786193 Legal Description : PT RS 39482 Survey Blk & District : VI TEVIOTDALE	CMS Map # : 5 Area : .0589 ha Ecological District : Motunau Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: M ori rock shelter near a stream on hillslopes surrounded by pine forest. Very small area of DOC land.</p> <p>Location: Near Teviotdale Station, on southern edge of Omihi forest at N end of Pegasus Bay.</p> <p>Main Ecosystems: Not known. Surrounded by pine forest.</p> <p>Main Plant Species: Introduced grasslands, exotic trees.</p> <p>Notable Fauna: None</p> <p>Threatened Species: None</p> <p>Landscape: Low significance</p> <p>Historic/Cultural: M ori rock shelters. High significance to Ng i Tahu</p> <p>Visitor Use: Negligible (not encouraged)</p> <p>Facilities: None</p> <p>Other Features: None</p>	
THREATS To Ecological and Archaeological Features: <p>Animal Threats:Not stocked.</p> <p>Plant Threats: Nassella tussock (possible)</p> <p>Other: Human disturbance.</p>	
MANAGEMENT <p>Issues: Ensure site remains undisturbed.</p> <p>Priorities: Inspection and assessment – site maintenance.</p>	

LAND UNIT: N36001 (also includes N36002, N36019)	NAME: GODLEY HEAD FARM PARK
ADMINISTRATION Legal Status : Government Purpose Defence Area Reserve Classified ? :N Grid Reference : 2493235 5734838 Legal Description : PT RS 42345, 42346 SO 16901; PT RS 42345, 42346, 42347 SO 16901. Survey Blk & District : I,II PIGEON BAY II,III SUMNER	CMS Map # : 9 Area : 210.3158 ha Ecological District : Port Hills Area Office : North Canterbury District Council : Christchurch City
DESCRIPTION <p>General: Drought prone and tunnel gully erosion-prone loess covered volcanic headland surrounded by steep cliffs which drop into small stony bays. Gentle slopes dominated by introduced grassland. A former military base.</p> <p>Location: Headland on the Port Hills at the NE end of Lyttelton Harbour/Whakaraup .</p> <p>Main Ecosystems: Introduced grassland pasture on hillslopes; silver tussock/w -shrubland and coastal herb shrubland on steep southern slopes and coastal cliff ledge habitats.</p> <p>Main Plant Species: Introduced grasses and herbs, e.g. browntop, sweet vernal, <i>Poa pratensis</i>, dogstail, <i>Stipa variabilis</i>, <i>Crepis capillaris</i>, catsear, native grass <i>Rytidosperma</i> spp. and <i>Elymus rectisetus</i>, silver tussock/w , <i>Muehlenbeckia complexa</i>, porcupine scrub, flax/harakeke; introduced ice plant <i>Carpobrotus edulis</i>, native ice plant <i>Disphyma australe</i>.</p> <p>Notable Fauna: Common skink/mokomoko; spotted shag, white-flipped penguin, white fronted tern/tara, pipit/p hoihoi.</p> <p>Threatened Species: PLANTS: <i>Carex appressa</i> (IUCN-L), rare in Canterbury. ANIMALS: White-flipped penguin (B) (classification subject to taxonomic clarification).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: World War II historic sites, M ori archaeological site, lighthouse.</p> <p>Visitor Use: High</p> <p>Facilities: Walkway, toilet, mountain bike track</p> <p>Other Features: - Full species list in Partridge (1989) - Extensive range of naturalised exotics some of which are shrubby herbs and succulents well adapted to the dry coastal environment.</p>	
THREATS To Ecological Features: <p>Animal Threats:Grazed by sheep and rabbits. Removal from steep tussock shrublands would enhance botanical values (Wilson 1992). Elsewhere, destocking would encourage growth of adventive grasses (Partridge 1989). Predators of penguins, especially cats, dogs and ferrets.</p> <p>Plant Threats: Gorse on S side, broom (minor), boxthorn.</p> <p>Other: Fire, careless use of weed spray. Vandalism.</p>	
MANAGEMENT <p>Issues: Recreation and historic site management, fire control, gorse control (although gorse may assist native regeneration). Assess ongoing management approach. Grazing. Visitor safety.</p> <p>Priorities: Provide access to Harbour Board/Port Company ex-lease area. Secure and provide safe access to historic sites. Obtain sponsorship for historical and ecological restoration with associated interpretation and recreation development. Review Department of Conservation management and consider other administrative options.</p>	

LAND UNIT: N36003	NAME: RIPAPA ISLAND HISTORIC RESERVE
ADMINISTRATION Legal Status : Historic Reserve Reserve Classified ? : Y Grid Reference : 2490189 5731847 Legal Description : RES 109 Survey Blk & District : I PIGEON BAY	CMS Map # : 9 Area : 1.6187 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Small low basaltic island with historic fortifications, small beach area below the stone walls and a reef system. Island has Tōpuni status under the Ngāi Tahu Claims Settlement Act 1998.</p> <p>Location: 3km SE of Lyttelton in Lyttelton Harbour/Whakaraup .</p> <p>Main Ecosystems: Exotic grassland.</p> <p>Main Plant Species: Exotic grasses, ice plant (native?)</p> <p>Notable Fauna: Seabirds, black-backed gull nesting.</p> <p>Threatened Species: Nil</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Pursuant to the Ngāi Tahu Claims Settlement Act (and schedule 88 of that Act), the Crown has acknowledged Te Rūnanga o Ngāi Tahu 's statement of Ngāi Tahu's cultural, spiritual, historic and/or traditional values relating to Ripapa Island, as set out below. The island has variously been a P site, a quarantine station, and the Fort Jervis defence facility.</p> <p>Visitor Use: Low, entry by permit only.</p> <p>Facilities: Wharf</p> <p>Other Features: Reserve extends down to MHWM.</p>	
TE RŪNANGA'S STATEMENT OF NGĀI TAHU VALUES RELATING TO THE ISLAND <p>Ripapa is significant to Ngāi Tahu, particularly the rūnanga of Canterbury and Banks Peninsula, for its many urupā (burial places). Urupā are the resting places of Ngāi Tahu tūpuna (ancestors) and, as such, are the focus for whānau traditions. These are places holding the memories, traditions, victories and defeats of our tūpuna, and are frequently protected by secret locations.</p> <p>Ripapa was also a pā (fortress) of Taununu, a leading Ngāi Tahu warrior prominent during the 1820s. Taununu was a Kaikoura chief who had decided to live at Kaiapoi. However, after settling at Kaiapoi, Taununu saw that Ripapa was a better place to live, so he and his people moved on and settled on the island. Taununu fortified Ripapa Island to withstand attacks from tribes armed with muskets.</p> <p>Taununu eventually became involved in an inter-tribal war and attacked a village at Te Taumutu. Because the Taumutu people were connected to the southern hapū of Ngāi Tahu, a chieftainess and seer called Hine-Haaka was sent south from Te Taumutu to seek reinforcements. Tradition tells that when Hine-Haaka arrived at Ruapuke, near Stewart Island, she composed a song telling Taununu to weep as in the morning he would be killed. Hine-Haaka's kai oreore (a chant that curses) ran thus:</p> <p style="padding-left: 40px;">Taununu of Bank's Peninsula Weep for yourself On the morning your bones will be transformed into fishhooks To be used in my fishing grounds to the South This is my retaliation, an avenging for your attacks All I need is one fish to take my bait</p> <p>Taununu's pā was attacked from both sea and land by an alliance of related hapū from Southland, Otago and Kaiapoi. Hine-Haaka's vision was proved right. Taununu managed to escape this attack, but was later killed at Wairewa (Little River).</p> <p>To end the hostilities between the two regions, the southern chiefs arranged for the daughter of Hine-Haaka, Makei Te Kura, to marry into one of the families of Rapaki Ngāi Tahu. This union took place in the mid-1800s, and peace was cemented between Rapaki and Murihiku Ngāi Tahu.</p> <p>For Ngāi Tahu, histories such as this represent the links and continuity between past and present generations, reinforce tribal identity and solidarity, and document the events which shaped Ngāi Tahu as an iwi.</p>	

THREATS

To Ecological and Historic Features:

Animal Threats: Nil

Plant Threats: Excessive ice plant growth.

Human Threats: disturbance or deliberate damage of historic features; harm to or diminution of Ngāi Tahu values relating to the Tōpuni.

Other: Fire; vandalism.

MANAGEMENT

Issues: Tōpuni management (see the specific principles and actions required of the Director-General of Conservation, as set out below).
Protection of the historical values; public access; fire control and prevention.

Priorities:

Implementation of Tōpuni requirements (as below).

Stabilise condition of historic structures.

Restoration of key buildings.

Improving public access.

SPECIFIC PRINCIPLES RELATING TO TŌPUNI AREA (from Attachment 12.143 of the Deed of Settlement 1997)

The following specific principles are directed at the Minister of Conservation avoiding harm to, or the diminishing of, the Ngāi Tahu Values related to the Tōpuni:

- (a) Encouragement of respect for Ngāi Tahu's association with Ripapa;
- (b) Accurate portrayal of Ngāi Tahu's association with Ripapa; and
- (c) Recognition of Ngāi Tahu's relationship with wāhi tapu and wāhi taonga, including archaeological sites.

ACTIONS BY THE DIRECTOR-GENERAL OF CONSERVATION IN RELATION TO THE SPECIFIC PRINCIPLES

Pursuant to clause 12.5.10 of the Deed of Settlement, the Director-General has determined that the following actions will be taken by the Department of Conservation in relation to the specific principles:

- (a) **Encouragement of respect for Ngāi Tahu's association with Ripapa**
Staff, conservation board members, concessionaires and the public will be provided with information about the Ngāi Tahu values and the existence of the Tōpuni over Ripapa;

Educational material will be made available to visitors to Ripapa only explaining that activities such as picnicking on urupā sites denigrates their tapu status;

A review will be undertaken of conditions to be applied generally to new concessions;

The removal of all rubbish and wastes from Ripapa will be encouraged;

The Department will ensure, as far as reasonably practicable, that it disposes of waste, particularly human waste, in a way that minimises the risk of contamination of Whakaraupō (Lyttelton Harbour); and

Te Rūnanga will be consulted about the siting and design of new structures, and particular regard had to its views.
- (b) **Accurate portrayal of Ngāi Tahu's association with Ripapa**
The Department will ensure, as far as reasonably practicable, that Ngāi Tahu's association with Ripapa is accurately portrayed in all of its new public information and interpretative material; and

The Department will consult with Te Rūnanga in the provision of its new public information or interpretative material, and as far as reasonably practicable, will only use Ngāi Tahu cultural information with the consent of Te Rūnanga.
- (c) **Recognition of Ngāi Tahu's relationship with wāhi tapu and wāhi taonga, including archaeological sites**
Significant earthworks and disturbances of soil and/or vegetation will be avoided wherever possible; and

Where significant earthworks and disturbances of soil and/or vegetation cannot be avoided, Te Rūnanga will be consulted and particular regard will be had to its relevant policies, including those relating to Kōiwi Tangata (unidentified human remains) and Archaeological and Rock Art Sites.

LAND UNIT: N36005	NAME: ADDERLEY HEAD SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2495864 5732725 Legal Description : RES 61 Survey Blk & District : II PIGEON BAY	CMS Map # : 9 Area : 132.3322 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Steep, cliffed headland with flattish ridge top in droughty pasture and with extensive native coastal vegetation around coastal cliffs.</p> <p>Location: Eastern head of Lyttelton Harbour/Whakaraupō, Banks Peninsula.</p> <p>Main Ecosystems: Open droughty pasture with some silver tussock/wī; extensive coastal cliffs and banks with drought- and saline-tolerant vegetation.</p> <p>Main Plant Species: Exotic pasture species, <i>Microlaena stipoides</i>, <i>Rytidosperma clavatum</i>, silver tussock/wī; <i>Sonchus kirkii</i>, native ice plant/horokaka, leafless <i>Clematis</i>, Festuca Banks Peninsula blue tussock; toetoe, <i>Olearia paniculata</i>, <i>Muehlenbeckia complexa</i>.</p> <p>Notable Fauna: Spotted shag, white-flipped blue penguin/koror white-fronted tern/tara, NZ pipit/p hoihoi, fur seal/kekeno (occasional), skink/mokomoko spp.</p> <p>Threatened Species: White-flipped blue penguin/koror (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: M ori occupation sites. Signal station building (1860s), signalling workers' village and pilot station, first whaling station on Banks Peninsula, jetty site and rock walls. (Well documented)</p> <p>Visitor Use: Signalmans Track from Little Port Cooper used. Visit historic sites access by boat only.</p> <p>Facilities: Signal Station</p> <p>Other Features: Good lizard habitat. Headland is dramatic landmark at entrance of Lyttelton Harbour.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock grazing (if too heavy)</p> <p>Plant Threats: Boxthorn (major), variegated thistle, gorse, Nasella tussock</p> <p>Other: Vandalism</p>	
MANAGEMENT <p>Issues: Continued light grazing by sheep probably best management option; control of boxthorn.</p> <p>Priorities: Assessment of long term management strategy and role of grazing. Boxthorn control. Annual maintenance of historic sites.</p>	

LAND UNIT: N36006	NAME: PUKERAUARUHE ISLAND RECREATION RESERVE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? : N Grid Reference : 2496089 5731138 Legal Description : RES 5267 Survey Blk & District : II PIGEON BAY	CMS Map # : 9 Area : .3035 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks Peninsula
DESCRIPTION <u>General:</u> Very small islet within Port Levy/Koukourarata, the smaller and more exposed of two islands. <u>Location:</u> Within the harbour of Port Levy/Koukourarata, two thirds of the way to the harbour mouth, S of Adderley Head, on the W side. North Banks Peninsula. <u>Main Ecosystems:</u> No data. Thought to include coastal rock and bluff habitats, plus grassland on loessal soils. <u>Main Plant Species:</u> No data <u>Notable Fauna:</u> No data <u>Threatened Species:</u> No data <u>Landscape:</u> No data <u>Historic/Cultural</u> M ori and European occupation. <u>Visitor Use:</u> <u>Facilities:</u> <u>Other Features:</u> Former M ori and Pakeha occupation site.	
THREATS To Ecological Features: <u>Animal Threats:</u> No data, mammalian predators likely <u>Plant Threats:</u> No data Other:	
MANAGEMENT Issues: Assessment needed, but very low priority. Priorities: Consult with Ng i Tahu over direction of future use. Subject to silent file area.	

LAND UNIT: N36007	NAME: HOROMAKA ISLAND RECREATION RESERVE
ADMINISTRATION Legal Status : Recreation Reserve Reserve Classified ? :N Grid Reference : 2496404 5728583 Legal Description : RES 2840 Survey Blk & District : V PIGEON BAY	CMS Map # : 9 Area : 1.4771 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Small loess capped island formerly part of the mainland, within Port Levy.</p> <p>Location: Off E side of Port Levy/Koukourarata inner harbour, N Banks Peninsula.</p> <p>Main Ecosystems: Rock bluffs; shrub grassland; No data available.</p> <p>Main Plant Species: No data.</p> <p>Notable Fauna: No data.</p> <p>Threatened Species: No data.</p> <p>Landscape: Locally significant coastal feature.</p> <p>Historic/Cultural: Significant to Ng i Tahu. Scout hut built c. 1917</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Former Ng i Tahu occupation site.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:No data.</p> <p>Plant Threats: No data.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Assessment required. Consultation with Te R nanga o Koukourarata.</p> <p>Priorities: Assessment of ecological values and management requirements. Assess revegetation / restoration potential. Assess historic significance of hut.</p>	

LAND UNIT: N36010	NAME: LITTLE AKALOA SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2509605 5725655 Legal Description : LOT 8 DP 20032 Survey Blk & District : I OKAINS	CMS Map # : 9 Area : .4342 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <u>General:</u> Light coastal k nuka-akeake forest on sloping valley side at head of Little Akaloa Bay. <u>Location:</u> Just E of Little Akaloa township, Little Akaloa Bay, Banks Peninsula. <u>Main Ecosystems:</u> Coastal k nuka forest; exotic grassland in clearings. <u>Main Plant Species:</u> K nuka (dominant species), k whai, akeake (increasing), narrow-leaved lacebark, ngaio, m hoe, <i>Coprosma</i> spp./karam , kawakawa, <i>Scandia geniculata</i> , native spinach; creeping bent and other exotic grass species, some shrubs, e.g. <i>Coprosma</i> spp. <u>Notable Fauna:</u> <u>Threatened Species:</u> <i>Ileostylis micranthus</i> (IUCN-L) <u>Landscape:</u> Minor feature. <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> Light <u>Facilities:</u> <u>Other Features:</u> <i>Scandia geniculata</i> and native spinach, both undergrowth plants, are uncommon nationally.	
THREATS To Ecological Features: <u>Animal Threats:</u> Possum. <u>Plant Threats:</u> Wild parsley, sycamore, broom, <i>Pinus radiata</i> , periwinkle, <i>Muehlenbeckia australis</i> (potential) Other:	
MANAGEMENT Issues: Adding slope below road to beach would add amenity value. Priorities: Low priority	

LAND UNIT: N36015	NAME: MT FITZGERALD SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2497106 5722011 Legal Description : RES 3736 Survey Blk & District : XI PIGEON BAY	CMS Map # : 9 Area : 44.1107 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks Peninsula
DESCRIPTION <p>General: Steep, south-facing hillslopes and gully dropping from summit ridge, in moist, diverse, montane thin-bark t tara/mixed broadleaved forest.</p> <p>Location: Mt Fitzgerald, c.8km NE of Little River, Banks Peninsula.</p> <p>Main Ecosystems: Diverse montane mixed-broadleaved forest with thin-bark t tara; remnant thin-bark t tara/mixed broadleaved forest; moist bluff vegetation; fringing shore tussock and pasture.</p> <p>Main Plant Species: Fuchsia/k tukutuku, mountain fivefinger, broadleaf/k puka, marble leaf, thin-bark t tara; remnant thin-bark t tara, broadleaf/k puka, fuchsia/k tukutuku, mountain holly, <i>Dracophyllum atherosum</i>, <i>Chionochoa conspicua</i>, <i>Astelia fragrans</i>, <i>Cordyline indivisa</i>, <i>Parahebe lyallii</i>, <i>Humenophyllum</i> spp; silver tussock/w , <i>Acaena ansinerifolia</i>, exotic pasture species.</p> <p>Notable Fauna: Jewelled gecko, tomtit/miromiro, bellbird/k parapara or korimako, brown creeper, kerer</p> <p>Threatened Species: Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Yes</p> <p>Visitor Use: Medium. Mount Herbert/Te Ahu Patiki – Hilltop Walkway</p> <p>Facilities: Walkway</p> <p>Other Features: About 20 individuals of <i>Cordyline indivisa</i> and some saplings of <i>Libocedrus bidwillii</i>, both uncommon in Canterbury.</p>	
THREATS To Ecological Features: <p>Animal Threats: Possums (serious), stock grazing, goats.</p> <p>Plant Threats: Elderberry, <i>Hieracium</i> spp. <i>Tropaeolum speciosum</i></p> <p>Other: Fire</p>	
MANAGEMENT <p>Issues: Stock-proof fencing; possum and goat control; reserve extension to include tussocky summit area below reserve, and gully below reserve.</p> <p>Priorities: Implement Banks Peninsula Possum Control Plan Implement Banks Peninsula Goat Control Plan Ensure exclusion of domestic stock.</p> <p>Management Plan: Plan approved 1979, expired 1984. To be revoked under S40A(4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: N36016	NAME: MORICE SETTLEMENT SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2496622 5720501 Legal Description : RES 3737 Survey Blk & District : IX,XIII PIGEON BAY	CMS Map # : 9 Area : 6.1208 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Small lowland riparian remnant of podocarp/mixed-broadleaved forest on moderately sloping valley floor and lower hillslopes.</p> <p>Location: 5km NE of Little River, Banks Peninsula.</p> <p>Main Ecosystems: Lowland m hoe-dominant mixed-broadleaved forest with scattered emergent podocarps (most of area); fringing regenerating small-leaved Coprosma scrubland.</p> <p>Main Plant Species: M hoe, lemonwood/tarata, fuchsia/k tukutuku, kaikomako, ribbonwood, mata , kahikatea, lowland t tara, k whai, tree fern spp.; <i>Coprosma areolata</i>, <i>C. rotundifolia</i>, <i>C. virescens</i>, <i>C. rubra</i>, lawyer, pohuehue.</p> <p>Notable Fauna: Stream has galaxiids, kerer , bellbird/k parapara or korimako, tomtit/miromiro.</p> <p>Threatened Species: PLANTS: <i>Tupeia antarctica</i> (B;IUCN-V), <i>Ileostylis micranthus</i> (IUCN-L) ANIMALS: Kerer (B)</p> <p>Landscape:</p> <p>Historic/Cultural: Yes</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Just upstream of reserve is found <i>Dicksonia fibrosa</i>, very rare tree fern on Banks Peninsula. Reserve has excellent old-growth podocarps, with t tara up to 200cm d.b.h.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Possums, goats.</p> <p>Plant Threats: Flowering currant, sycamore, elder, blackberry, Himalayan honeysuckle.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Maintain stock-proof fences; possum and goat control.</p> <p>Priorities: Fence maintenance. Implement Banks Peninsula operational goat control plan. Set weed control priorities for reserve.</p>	

LAND UNIT: N36017 (also includes N36021)	NAME: MT SINCLAIR SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2498270 5720823 Legal Description : RES 3106, 3234; LOT 1 DP 38013; RES 3235; LOT 1,2 DP 37374; LOT 1 DP 53124 Survey Blk & District : IX, X, XIII, XIV PIGEON BAY	CMS Map # : 9 Area : 80.518 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Mountain tara and mixed broadleaf forest on the slopes and valley heads of Mount Sinclair, moderately steep hillslopes of the Akaroa volcanics. includes several large seep areas and bluffs.</p> <p>Location: On the southern side of Mt Sinclair, central Banks Peninsula, NE of Little River.</p> <p>Main Ecosystems: Thin-bark tara/hardwood forest; snow tussock shrubland; Olearia ilicifolia scrub; fescue tussock/browntop grassland.</p> <p>Main Plant Species: Thin-bark tara, broadleaf/k puka, fuchsia/k tukutuku, fivefinger, lemonwood/tarata, putaweta, <i>Chionochloa rigida</i>, mountain flax/wharariki, <i>Dracophyllum acerosum</i>, <i>Aciphylla aurea</i>; <i>Olearia ilicifolia</i>, <i>Aristotelia fruticosa</i>, <i>Hebe strictissima</i>; <i>Festuca novae zelandiae</i>, <i>Agrostis tenuis</i>. <i>Aristotelia fruticosa</i> is regionally rare, <i>Hebe strictissima</i> is endemic to Banks Peninsula.</p> <p>Notable Fauna: Rifleman/t tipounamu</p> <p>Threatened Species: None known.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Historic Purau Track passes through the reserve.</p> <p>Visitor Use: No</p> <p>Facilities: None</p> <p>Other Features: <i>Aristotelia fruticosa</i> is regionally rare. <i>Hebe strictissima</i> is endemic to Banks Peninsula.</p>	
THREATS To Ecological Features: <p>Animal Threats: Goats, domestic stock especially cattle.</p> <p>Plant Threats: <i>Pinus radiata</i> wildings, <i>Hieracium</i> spp., elderberry, broom, gorse.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: - Prevention of stock entry/fence maintenance. - Goat and possum control. - Wilding tree and broom control.</p> <p>Priorities: Maintenance of stockproof fences. Implement Banks Peninsula operational goat and possum control plans. Control of wilding trees and noxious plants as required.</p> <p>Management Plan: Approved 1980, expired 1985. To be revoked under S 40A (4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: N36020	NAME: GLENRALLOCH SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2499037 5721589 Legal Description : LOT 1 DP 30313 Survey Blk & District : X PIGEON BAY	CMS Map # : 9 Area : 6.8872 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Steepish hillslopes on either side of a gentle spur in montane mixed-broadleaved forest with thin-bark t tara, dominant in parts.</p> <p>Location: NE spur off Mt Sinclair, c.5km SW of Pigeon Bay, Banks Peninsula.</p> <p>Main Ecosystems: Montane mixed-broadleaved forest and scrub; remnant montane thin-bark t tara/mixed-broadleaved forest; tall, reverting pasture with Coprosma spp.</p> <p>Main Plant Species: Coprosma parviflora, mountain peppertree, fuchsia/k tukutuku, mountain holly, bush lawyer, thin-bark t tara (occasional); thin-bark t tara, broadleaf/k puka, fuchsia/k tukutuku, mountain peppertree, ribbonwood/houhi; sweet vernal and other exotic pasture species, silver tussock/w , bracken, fuchsia/k tukutuku, <i>Aciphylla subflabellata</i>/taramea.</p> <p>Notable Fauna: Bellbird/k parapara or korimako, rifleman/t tipouamu, tomtit/miromiro.</p> <p>Threatened Species: PLANTS: <i>Brachyglottis sciadophila</i> (IUCN-L) (relatively abundant), <i>Ileostylis micranthus</i> (IUCN-L)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Some large, fine specimens of thin-bark t tara, broadleaf/k puka and mountain holly.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Goats; stray stock, possums.</p> <p>Plant Threats: Himalayan honeysuckle, gorse, elder</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Possible merge into large reserve in Mt Sinclair area; goat and possum control.</p> <p>Priorities: Goat control. Possum control. Fence maintenance.</p>	

LAND UNIT: N36024	NAME: WHATARANGI SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2499321 5719949 Legal Description : LOT 1 DP 37564 Survey Blk & District : XIV PIGEON BAY	CMS Map # : 9 Area : 4.7422 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <u>General:</u> Small thin bark t tara/hardwood forest remnant on summit hillslopes of Mt Sinclair. <u>Location:</u> On the southern side of Mount Sinclair, central Banks Peninsula, NE of Little River. <u>Main Ecosystems:</u> T tara/hardwood forest. <u>Main Plant Species:</u> Thin-bark t tara, <i>Olearia ilicifolia</i> , mata , <i>Cyathea colensoi</i> , <i>Brachyglottis sciadophila</i> , <i>Fuchsia excorticata</i> /k tukutuku. <u>Notable Fauna:</u> None known. <u>Threatened Species:</u> <i>Brachyglottis sciadophila</i> (IUCN-L) <u>Landscape:</u> Is a regionally significant natural feature or landscape. <u>Historic/Cultural:</u> Unknown <u>Visitor Use:</u> High. Traversed by Mount Herbert/Te Ahu Patiki – Port Levy/Koukourarata Walkway. <u>Facilities:</u> None <u>Other Features:</u> None	
THREATS To Ecological Features: <u>Animal Threats:</u> Domestic stock, possums, goats. <u>Plant Threats:</u> Gorse, broom. Other:	
MANAGEMENT Issues: Maintenance of fence. Priorities: Goat control. Fence maintenance.	

LAND UNIT: N36025	NAME: HAY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2501791 5722672 Legal Description : LOT 1 DP 30312 Survey Blk & District : X PIGEON BAY	CMS Map # : 9 Area : 6.0095 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Narrow lowland alluvial valley with several indistinct terrace levels, supporting podocarp/broadleaved coastal forest.</p> <p>Location: North side of Banks Peninsula on the main valley floor running into Pigeon Bay. Adjoins Pigeon Bay road.</p> <p>Main Ecosystems: Kahikatea-mata -lowland t tara forest; k nuka forest; exotic trees.</p> <p>Main Plant Species: kahikatea, mata , lowland t tara, miro, t toki, p k k , m hoe, lemonwood/tarata, k whai, fuchsia/k tukutuku; k nuka, m hoe, red matipo/m pou; exotic conifers, elm, sycamore, lime, cherry, willow, poplar, ash.</p> <p>Notable Fauna: Bellbird/k parapara or korimako, wood pigeon/kerer (B)</p> <p>Threatened Species: None known.</p> <p>Landscape: Significant natural forest remnant in valley floor.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: Track - footbridges, toilet</p> <p>Other Features: Miro present (rare in Canterbury).</p>	
THREATS To Ecological Features: <p>Animal Threats: Possum</p> <p>Plant Threats: Sycamore, crack willow, travellers joy, old man's beard</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Weed control - sycamore. Maintain fence.</p> <p>Priorities: Weed control, fence maintenance</p>	

LAND UNIT: N36030	NAME: MT HERBERT SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2489510 5723142 Legal Description : RES 3064 Survey Blk & District : VII PIGEON BAY	CMS Map # : 9 Area : 240.7879 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks Peninsula
DESCRIPTION <p>General: Steep to very steep, bluffy hillslopes dropping from summit ridge to steep valley floor, with large area of diverse lowland to montane forests (much old growth thin bark totora) and some sub-alpine grassland.</p> <p>Location: S face of Mt Herbert/Te Ahu Patiki, Banks Peninsula.</p> <p>Main Ecosystems: Exotic pasture; montane thin-bark t tara/broadleaf mixed-broadleaved forest; lowland m hoe-dominant mixed broadleaved forest; lowland m hoe dominant mixed broadleaved forest with podocaps; montane fuchsia/k tukutuku-dominant mixed-broadleaved forest; montane-subalpine flax/harakeke shrubland; vegetated bluffs; native grassland with herbs; flushes.</p> <p>Main Plant Species: Exotic grass species; thin-bark t tara, broadleaf/k puka, fivefinger, marble leaf; m hoe, k whai, lemonwood/tarata, mata , t tara, kahikatea; fuchsia/k tukutuku, thin-bark t tara, pate, shield fern; flax/harakeke, tutu, mountain fivefinger, broadleaf/k puka, mountain holly, thin-barked t tara; mingimingi, akiraho, many interesting and rarer plants; silver tussock/w , fescue tussock, Chionochloa conspicua/k puka; Schoenus sp., other sedges.</p> <p>Notable Fauna: Kerer , rifleman/t tipounamu, tomtit/miromiro, brown creper, k re rea/NZ falcon (one sighted here on surveys)</p> <p>Threatened Species: Kerer (B), k re rea (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Culturally significant.</p> <p>Visitor Use: High</p> <p>Facilities: Hut, toilet</p> <p>Other Features: Was one most important area on Banks Peninsula for cedar <i>Libocedrus bidwillii</i> until die-back in 1950s. Still has most important population of saplings and seedlings. Bluffs support a diverse and interesting array of plant species.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Goats, stray stock, cattle grazing (above bluffs).</p> <p>Plant Threats: Gorse, <i>Pinus radiata</i>, <i>Hieracium pilosella</i>.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Cattle grazing; goat and possum control; more detailed faunal survey required.</p> <p>Priorities: Implement Banks Peninsula operational goat and possum control plans. Fence maintenance. Faunal survey.</p> <p>Management Plan: Plan approved 1980, expired 1985. To be revoked under S 40A(4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: N36031	NAME: KAITUNA SPUR SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2491242 5720739 Legal Description : RES 3002 Survey Blk & District : VIII,XII PIGEON BAY	CMS Map # : 9 Area : 23.3453 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Steep upper hillslopes dropping from a narrow spur, in montane thin-bark t tara/mixed broadleaved forest and rough pasture.</p> <p>Location: 5km NNW of Little River, Banks Peninsula.</p> <p>Main Ecosystems: Browntop pasture with silver tussock/w ; bracken-dominated rough pasture with occasional shrubs; thin-bark t tara/mixed-broadleaved forest; bluff vegetation.</p> <p>Main Plant Species: Browntop, silver tussock/w , <i>Acaena anserinifolia</i>, prickly shield fern; bracken/aruhe, exotic pasture species, toetoe, fuchsia/k tukutuku; thin-bark t tara, broadleaf/k puka, mountain fivefinger, narrow-leaved lacebark, <i>Brachyglottis lagopus</i>, <i>Hebe laudiana</i>, flax/harakeke, snowberry.</p> <p>Notable Fauna: Bellbird/k parapara or koimako, tomtit/miromiro, NZ pipit/p hoihoi.</p> <p>Threatened Species: PLANTS: <i>Ophiglossum petiolatum</i> (O:IUCN-V)</p> <p>andscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features:</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Stock browsing</p> <p>Plant Threats: None of note; though half the reserve has strong component of exotic pasture species.</p> <p>Other: Deer, pigs, goats, possum</p>	
MANAGEMENT <p>Issues: Fencing.</p> <p>Priorities: Fence to exclude stock.</p> <p>Implement Banks Peninsula operational Possum Control Plan.</p>	

LAND UNIT: N36041	NAME: PA ISLAND
ADMINISTRATION Legal Status : Government Purpose Lighthouse Reserve Reserve Classified ? : N Grid Reference : 2518328 5723487 Legal Description : RES 2731 Survey Blk & District : IV OKAINS	CMS Map # : 9 Area : 1.1128 ha Ecological District : Herbert Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: A steep sided, loess capped basalt islet adjacent to mainland Banks Peninsula. tenuous land connection at low tide (which may enable predators to cross). Former P , now a lighthouse reserve.</p> <p>Location: Off exposed NE coast of Banks Peninsula, E of Okains Bay, near East Head.</p> <p>Main Ecosystems: Shrub grassland; coastal cliff; nearshore marine and rocky shore with intertidal seaweed communities.</p> <p>Main Plant Species: Cocksfoot, other pasture grasses, <i>Elymus</i> sp., silver tussock/w , <i>Lacnagrostis richardii</i>, flax/harakeke, toetoe, <i>Hebe strictissima</i>, <i>Scirpus nodosus</i>, holy grass (native), tree mallow, <i>Asplenium</i> spp.; <i>Puccinellia</i> sp., native ice plant; bull kelp/rimurapa and brown kelp.</p> <p>Notable Fauna: Fur seal/kekeno, spotted shags (breeding), white fronted tern/tara, white flippered penguin, possible burrowing nest sites of sooty shearwater/t t and/or fairy prion/t t (presence not confirmed).</p> <p>Threatened Species: White fronted tern/tara (C), white flippered penguin (B, subject to taxonomic revision)</p> <p>Landscape: Yes</p> <p>Historic/Cultural: P site of cultural significance to Ng i Tahu</p> <p>Visitor Use: None</p> <p>Facilities: None</p> <p>Other Features: - 2 regional endemic plants present - Hebe strictissima and Festuca "Banks peninsula blue tussock" - Several low m hoe and 1 battered t tara tree present. -- Beds of bull kelp and brown kelp <i>Xiphophora</i> sp. are common around Pa Island but generally uncommon elsewhere around the Peninsula coastline (Wilson 1992).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Mammalian predators, possums.</p> <p>Plant Threats: Naturalised pasture grasses and tree mallow. Boxthorn (potential threat).</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Predator control, possible enhancement of wildlife habitat.</p> <p>Priorities: Cultural</p>	

LAND UNIT: N36047	NAME: ELLANGOWAN SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2512283 5712118 Legal Description : LOT 1 DP 29194 LOT 1 DP 52762 Survey Blk & District : I GOUGHS	CMS Map # : 9 Area : 36.0186 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Long thin reserve along bluffy summit ridge and spur in montane mixed-broadleaved forest with some thin-bark t tara and red beech.</p> <p>Location: Summit road, NE of Akaroa, Banks Peninsula.</p> <p>Main Ecosystems: Mixed-broadleaved forest with thin-bark t tara and scattered red beech; montane scrub/shrubland; bluff vegetation.</p> <p>Main Plant Species: Broadleaf/k puka, fivefinger, thin-bark t tara, red beech/tawai, <i>Coprosma</i> spp/karam , koromiko, fuchsia/k tukutuku, silver tussock/w , <i>Hebe laudiana</i>, <i>Chionochloa conspicua</i>, <i>C. rigida</i>, <i>Brachyglottis lagopus</i>.</p> <p>Notable Fauna: Bellbird/k parapara or korimako.</p> <p>Threatened Species: Unknown</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Medium, walking.</p> <p>Facilities: Nil</p> <p>Other Features: <i>Cordyline indivisia</i>, uncommon in Canterbury, was recorded present here (1971).</p>	
THREATS To Ecological Features: <p>Animal Threats:Possums</p> <p>Plant Threats: Gorse and blackberry (both minor), boneseed, Spanish heather</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire control; possum control.</p> <p>Priorities: Implement Banks Peninsula possum control plan. Fence maintenance</p>	

LAND UNIT: N36087 (also includes N36088)	NAME: OTEPATOTU SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2510077 5717997 Legal Description : RES 3238; RES 2791; LOT 1 DP 16788 Survey Blk & District : V OKAINS	CMS Map # : 9 Area : 39.9246 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Steep, bluffy hillslopes dropping from summit ridge in montane thin-bark t tara forest, regenerating in parts.</p> <p>Location: Summit Road, 8km NE of Akaroa.</p> <p>Main Ecosystems: Montane thin-bark t tara/hardwood forest; montane fuchsia/k tukutuku-dominant broadleaved forest; bluff vegetation; tall tussockland and tussock shrubland.</p> <p>Main Plant Species: Thin-bark t tara, broadleaf/k puka, mountain fivefinger, lemonwood/tarata; fuchsia/k tukutuku, mountain holly, broadleaf/k puka, putaputaweta; <i>Brachyglottis lagopus</i>, <i>Ourisia lactea</i>, <i>Anisotome aromatica</i>; <i>Chionochloa conspicua</i>, Thin-bark t tara, mountain fivefinger, <i>Coprosma</i> spp/karam ., mountain peppertree.</p> <p>Notable Fauna: Brown creeper, rifleman/t tipounamu, tomtit/miromiro, bellbird/koparapra or korimako, kerer , jewelled gecko, Banks Peninsula tree w t (<i>Hemideina ricta</i>)</p> <p>Threatened Species: Kerer (B); <i>Hemideina ricta</i> (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Of cultural significance to Ng i Tahu</p> <p>Visitor Use: High</p> <p>Facilities: None</p> <p>Other Features: Many individuals of <i>Cordyline indivisia</i> present, very uncommon on Banks Peninsula. <i>Hemideina ricta</i> is a threatened and protected species. A dipteran fly species, <i>Austrolimnophila</i> sp., found here is of high scientific interest, with only 1 specimen found.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats:Possums; feral cats, goats.</p> <p>Plant Threats: Wilding pines from plantation, gorse (sparse), <i>Hieracium</i> spp., Spanish heather.</p> <p>Other: Rock climbing; fire.</p>	
MANAGEMENT <p>Issues: Rock climbing; grazing; weed control (esp. wildings and gorse); fire control; inclusion of unformed legal road; goat and possum control.</p> <p>Priorities: Implement Banks Peninsula operational possum and goat control plans. Strategy for weed control within reserve. Closure and inclusion of unformed legal road. Maintain fencing. Determine status and management of <i>Austrolimnophila</i> sp.</p> <p>Management Plan: Plan approved 1979, expired 1984. To be revoked under S 40A (4)(b) Reserves Act and management objectives set by the CMS.</p>	

LAND UNIT: N36107	NAME: WAINUI SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2502129 5711313 Legal Description : LOT 12 DP 17024 Survey Blk & District : III AKAROA	CMS Map # : 9 Area : .8339 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Tiny remnant of coastal podocarp/mixed-broadleaved forest on steeply sloping hillslope.</p> <p>Location: c.1km N of Wainui, Akaroa Harbour.</p> <p>Main Ecosystems: M hoe-dominant mixed broadleaved forest with podocarps; introduced pasture.</p> <p>Main Plant Species: M hoe, pigeonwood, kawakawa, emergent kahikatea and mata (about 12 in total), t toki, abundant climbers (including supplejack leafless lawyer and native vine); cocksfoot, yorkshire fog, planted natives (exotic origin).</p> <p>Notable Fauna: Kerer , bellbird/k perapare or korimako, brown creeper.</p> <p>Threatened Species: PLANTS: <i>Brachyglottis sciadophylla</i> (IUCN-L) ANIMALS: kerer (B)</p> <p>Landscape: Regionally significant natural feature and part of landscape</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities:</p> <p>Other Features:</p>	
THREATS To Ecological Features: <p>Animal Threats: Possums</p> <p>Plant Threats: <i>Muehlenbeckia australis</i> behaving like invasive weed; hawthorn, blackberry, willow.</p> <p>Other: Plantings of natives of unknown genetic source.</p>	
MANAGEMENT <p>Issues: Reserve boundary extension.</p> <p>Priorities: Removal of weeds. Determine policy on indigenous plantings of external genetic stock.</p>	

LAND UNIT: N36115	NAME: MONTGOMERY PARK SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :N Grid Reference : 2499801 5718151 Legal Description : RS 17758,18831 Survey Blk & District : XIV PIGEON BAY	CMS Map # : 9 Area : 16.1874 ha Ecological District : Port Hills Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Volcanic crater summit rocks, bluffs and steep slopes facing SE, clad mainly in broadleaved forest. Straddles the lowland-montane bioclimatic transition of about 500m.</p> <p>Location: Adjacent and above the Summit Rd, near Hilltop, Banks Peninsula.</p> <p>Main Ecosystems: Podocarp-broadleaved forest; introduced pasture; fuchsia/k tukutuku shrubland; bracken fernland with regenerating broadleaved species; bluff flax/harakeke and scrubland; planted indigenous shrubland and specimen trees.</p> <p>Main Plant Species: M hoe, fivefinger, ribbonwood, narrow-leaved lacebark, broadleaf/k puka, lemonwood/tarata, red m pou, lancewood/horoeka, scattered mata , t tara; browntop, cocksfoot; fuchsia/k tukutuku (also in forest); bracken/aruhe; flax/harakeke, Hall's t tara, holy grass, <i>Coprosma parviflora</i>, mountain holly.</p> <p>Notable Fauna: Kerer , bellbird/k parapara or korimako, greywarbler/riroriro</p> <p>Threatened Species: PLANTS: Brachyglottis sciadophila (IUCN-L) ANIMALS: Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Old youth hostel site. Historic non-local native plantings.</p> <p>Visitor Use: High</p> <p>Facilities: None</p> <p>Other Features: - Reserve includes the most conspicuous rock outcrops of the NW skyline of Akaroa crater. Excellent viewpoint. - Reserve features some lowland and montane species pairs e.g. lowland and montane fivefinger, lowland t tara and Hall's t tara. - One very large t tara is of historic and curiosity value. - Contains planted indigenous non-local species that are of historic but not ecological value. Species include red beech, rimu, silver and black beech, rewarewa, rangiora, <i>Hoheria populnea</i>, <i>Nestegis cunninghamii</i> and <i>Lophomyrtus bullata</i> (ramarama). Rangiora is now adventive.</p>	
THREATS To Ecological Features: <p>Animal Threats:Possums, goats.</p> <p>Plant Threats: <i>Cotoneaster microphyllus</i>, Darwin's barberry, rangiora - an introduced native species.</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Recreation management, control and management of non-local indigenous plantings, animal control, control and management of exotic trees on adjoining council land.</p> <p>Priorities: Exotic tree removal. Management of introduced native plantings. Goat control</p>	

LAND UNIT: N36135 (also includes M37017, M37018, M37019, M37020)	NAME: WAIREWA (LAKE FORSYTH)
ADMINISTRATION Legal Status : Section 62, Conservation Act; Crown land; Local Purpose Reserve Reserve Classified ? : Grid Reference : 2489223 5711615 Legal Description : RES 3186; RES 2903; RS 35040; PT RES 3730 Survey Blk & District : I AKAROA IV, VIII ELLESMERE	CMS Map # : 9 Area : 627.5526 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Narrow lake (7.6 x 1km) within an ancient harbour eroded between volcanic rock deposits. Lake is impounded by both old and recent beach gravels. There is a tenuous connection to the sea via a short river. Lake marginal strip excluded.</p> <p>Location: Southern Banks Peninsula adjacent to the base of Kaitorete Spit, Birdlings Flat to Little River localities.</p> <p>Main Ecosystems: Shallow brackish and eutrophic aquatic system (2m max. depth) with attached vegetation; barrier beach gravels with sparse vegetation; salt marsh (limited area included in these land units).</p> <p>Main Plant Species: Raup . <i>Bulboschoenus caldwellii</i>, <i>Schoenoplectus pungens</i>, <i>Eleocharis acuta</i>, water plants - <i>Potamogeton pectinatus</i>, <i>Lamprothamnium papulosum</i>, <i>Myriophyllum triphyllum</i>, <i>Enteromorpha</i> spp. (alga), (full list in Wilson, 1992).</p> <p>Notable Fauna: Eel (2 <i>Anguilla</i> spp., mainly <i>Anguilla australis</i>); Caspian tern/tara, white fronted tern/tara, crested grebe/k mana, black fronted tern/tarapirohe, royal spoonbill, black shag/k au, little shag/k au, white heron/k tuku, grey teal/tete, NZ shoveller/kuruwhengu, banded dotterel/pohowera.</p> <p>Threatened Species: Crested grebe/k mana (O), Caspian tern/tara (O), white heron/k tuku (O), royal spoonbill (O), white fronted tern/tara (C), black fronted tern/tarapirohe (B), banded dotterel/pohowera (C).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Lake is of outstanding value to Ng i Tahu. A railway embankment traverses the lake edge beside the highway. Whole line is considered a historic industrial archaeological site. A potential recreation resource. Part of N36135 as well as M37020 have management transferred to Ng i Tahu.</p> <p>Visitor Use:</p> <p>Facilities:</p> <p>Other Features: - Highly valuable waterfowl habitat, particularly notable as a seasonal habitat for transitory crested grebe/k mana. - Occasional blooms of blue-green algae (<i>Nodularia spumigena</i>) which makes waters toxic to mammals. - Included in Herbert RAP 17 - Wairewa - 4 RAPs surround the lake. Many ecosystems represented. - Meets RAMSAR Convention criteria as a wetland of international importance. - Ranks as a fishery of national importance (Davis 1987). - Okana River delta which has formed at the lake inlet is a geopreservation site of national importance, the best example of a cusplate delta in the South Island.</p>	
THREATS To Ecological Features: <p>Animal Threats: Stock especially cattle.</p> <p>Plant Threats: Impact on ecosystem of algal blooms is unknown.</p> <p>Other: Eutrophication, degradation of water quality, sand mining, disturbance of hydrology through artificial opening of the lake - impacts unknown. Uncontrolled vegetation on stone walled railway embankment.</p>	
MANAGEMENT <p>Issues: Water quality and water level management, consultation with iwi, maintenance of ecological values. Willows growing on railway embankment.</p> <p>Priorities: Removal of willows and other vegetation from stone walled railway embankment. Cultural. Implementation of Ng i Tahu settlement.</p>	

LAND UNIT: N36139	NAME: OKUTI VALLEY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2496584 5713740 Legal Description : RES 3990,4299 Survey Blk & District : II AKAROA	CMS Map # : 9 Area : 4.3483 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Moderately steep lower hillslopes on and above an old river terrace in a broad lowland valley, with small patch of regenerating podocarp/mixed broadleaved forest.</p> <p>Location: Okuti Valley, 5km E of head of Wairewa/Lake Forsyth, Banks Peninsula.</p> <p>Main Ecosystems: Lowland podocarp/mixed-broadleaved forest on terrace face and top; tall k nuka-dominant mixed-broadleaved forest with increasing broadleaved component, silver fern.</p> <p>Main Plant Species: T tara, mata , kahikatea (most of podocarps 2nd growth, but some original), m hoe (dominant), k nuka, k whai; k nuka, lemonwood/tarata, lacebark, ribbonwood, kawakawa.</p> <p>Notable Fauna: Bellbird/k parapara or korimako, kerer .</p> <p>Threatened Species: PLANTS: <i>Pseudopanax ferox</i> (IUCN-L), <i>Ileostylis micranthus</i> (IUCN-L), <i>Teucrium parvifolium</i> (C;IUCN-V)</p> <p>Landscape: None</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: High</p> <p>Facilities: Toilet/walkway</p> <p>Other Features: Reserve showing very closely successional development of k nuka-dominant forest through mixed-broadleaved forest through to podocarp/mixed-broadleaved forest. Small <i>Carex secta</i> swampland of some interest.</p>	
THREATS To Ecological Features: Animal Threats: Goats, possums. Plant Threats: Sycamore, blackberry, cherry plum, crack willow, foreign plantings (e.g. rimu from Marlborough Sounds) Other:	
MANAGEMENT Issues: Goat and possum control. Priorities: Animal control	

LAND UNIT: N36140	NAME: TE KA SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2494130 5710801 Legal Description : RES 3991 Survey Blk & District : II,VI AKAROA	CMS Map # : 9 Area : 11.6347 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Very steep convex hillslopes and gully on massive lavas of the Akaroa volcanics in the upper lowland altitudinal zone. Gully vegetated by mixed broadleaved secondary forest with k nuka forest on steep convex slopes. Scattered emergent podocarps in broadleaved forest.</p> <p>Location: Hillslopes south of Little River, Banks Peninsula.</p> <p>Main Ecosystems: M hoe mixed broadleaved forest; k nuka forest.</p> <p>Main Plant Species: Lowland t tara, mata , kahikatea, thin-bark t tara, m hoe, fivefinger, k whai, lemonwood/tarata, narrow leaved lacebark, red matipo/m pou, k h h , fuchsia/k tukutuku, ngaio, pigeonwood, ribbonwood; k nuka, k whai, m hoe, <i>Coprosma rhamnoides</i></p> <p>Notable Fauna: Bellbird/k parapara or korimako, brown creeper, kerer .</p> <p>Threatened Species: Kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features:</p>	
THREATS To Ecological Features: Animal Threats: Domestic stock. Plant Threats: <i>Pinus radiata</i> wildings. Other: Fire.	
MANAGEMENT Issues: Fire. Fencing required. Wildings, possum impacts Priorities: Fencing to exclude stock. Seek voluntary assistace to control wilding trees. Implement Banks Peninsula operational possum control plan.	

LAND UNIT: N36142	NAME: MT PEARCE SCENIC RESERVE.
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2505229 5721420 Legal Description : LOT 1,2 DP 52815 Survey Blk & District : XI PIGEON BAY	CMS Map # : 9 Area : 32.3100 ha Ecological District : Herbert Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Montane podocarp broadleaved forest on steep volcanic crater rim slopes. S and SE of Mt Pearce (737m). Reserve extends for 1.5 km along the upper slopes. A remnant of a once extensive forest.</p> <p>Location: Near Pearce, a high point on the main summit ridge of Banks Peninsula, above Duvauchelles, Pigeon Bay and Little Akaloa.</p> <p>Main Ecosystems: Dominated by podocarp-broadleaved forest; <i>Coprosma</i> shrubland (minor)</p> <p>Main Plant Species: Fuchsia/k tukutuku, broadleaf/k puka, horopito, ribbonwood/tarata, mountain holly, Hall's (thin-bark) tara (including dead emergent, moribund live trees, regenerating and healthy adult trees), weeping m pou, lancewood/horoeka, prickly shield fern, <i>Coprosma rhamnoides</i>, C. sp. "t". Detailed species notes compiled by Wilson.</p> <p>Notable Fauna: Brown creeper, tomtit/miromiro, rifleman/t tipounamu.</p> <p>Threatened Species:</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: None</p> <p>Facilities: None</p> <p>Other Features: Banks Peninsula tree w t (<i>Hemideina ricta</i>) (B) occurs just outside this reserve.</p>	
THREATS To Ecological Features: Animal Threats: Possums, goats. Plant Threats: Gorse, pines. Other:	
MANAGEMENT Issues: Continued animal control. comparisons needed with other summit reserves. Priorities: Animal control.	

LAND UNIT: N37002	NAME: PERAKI SADDLE SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2498662 5709434 Legal Description : RES 3237,3239 LOT 1,32 DP 9750 RS 41157,41158 Survey Blk & District : VII AKAROA VII AKAROA	CMS Map # : 9 Area : 74.4678 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: A fragmented reserve on steep hillslopes with a range of moist, upper-lowland to montane vegetation communities, including short tussockland, montane fuchsia/k tukutuku-thin-bark t tara forest and an area of old growth podocarp/mixed broadleaved forest.</p> <p>Location: N of Carews Peak, S Banks Peninsula c.3km W of Akaroa Harbour.</p> <p>Main Ecosystems: Short tussockland; lowland/upper-lowland m hoe-dominant mixed broadleaved forest with scattered podocarps; montane fuchsia/k tukutuku - thin-bark t tara forest; fuchsia/k tukutuku scrub; k nuka scrub and forest; lowland podocarp/mixed broadleaved forest; low bluffs.</p> <p>Main Plant Species: Silver tussock/w , fescue tussock, <i>Rytidosperma clavatum</i>, exotic pasture species; m hoe, broadleaf/k puka, lowland fivefinger, lemonwood/tarata, mata ; thin-bark t tara, mountain fivefinger; fuchsia/k tukutuku, <i>Coprosma</i> 't', mountain pepper tree, lawyer; k nuka, lancewood/horoeka, mata , lowland, kahikatea, k whai, supplejack; snow tussock, <i>Dracophyllum acerosum</i>, <i>Gingidia montana</i>, <i>Brachyglottis lagopus</i></p> <p>Notable Fauna: Bellbird/k parapara or korimako, kerer , brown creeper, NZ pipit/p hoihoi.</p> <p>Threatened Species: ANIMALS: kerer (B)</p> <p>Landscape: No</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Species of restricted distribution (uncommon) in Canterbury recorded here include: <i>Trichomanes endlicherianum</i>, <i>Tmesipteris tannensis</i> and <i>T. aff. elongata</i>.</p>	
THREATS To Ecological Features: <p>Animal Threats: Possums; stock grazing.</p> <p>Plant Threats: Pinus radiata, gorse (sparse; giving way to natives in several areas)</p> <p>Other: Fire (esp. k nuka by road)</p>	
MANAGEMENT <p>Issues: Fencing (high priority if unfenced); amalgamation of fragments into one intact reserve; possum and goat control.</p> <p>Priorities: None</p>	

LAND UNIT: N37007	NAME: MAGNET BAY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2491163 5708792 Legal Description : RES 3992 Survey Blk & District : V AKAROA	CMS Map # : 9 Area : 18.9190 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Lowland 2nd growth podocarp broadleaved forest on mid-valley slopes. A moderate to steep S-facing gully set within tussock-clad loess covered volcanic hills.</p> <p>Location: Mid reaches of Magnet Bay valley near the SW crest of Banks Peninsula.</p> <p>Main Ecosystems: 2nd growth m hoe dominated mixed broadleaved forest with scattered podocarps (69%); silver tussock/w grassland (15%); k nuka shrubland (9%), forest fringe shrubland (7%), bluff communities (minor).</p> <p>Main Plant Species: M hoe, ngaio, t toki, k h h , red m pou, k whai, <i>Dodonaea viscosa</i>, pigeonwood, fivefinger, supplejack/karaeopirita, fuchsia/k tukutuku, lemonwood/tarata, broadleaf/k puka, narrow leaved lacebark, kawakawa, <i>Olearia paniculata</i>, 3 tree fern species, plus podocarps, mata , kahikatea, t tara; silver tussock/w , cocksfoot, browntop; k nuka; <i>Coprosma</i> spp., <i>Helichrysum lanceolatum</i>; on bluffs, hound's tongue fern, <i>Microlaena polynoda</i>, <i>Stipa</i> sp.</p> <p>Notable Fauna: Kerer , bellbird/k parapara or korimako, fantail/p wakawaka.</p> <p>Threatened Species: ANIMALS: kerer (B) PLANTS: <i>Iteostylus micranthus</i> (IUCN-L), <i>Olearia fragrantissima</i> (R/B), <i>Anemanthe lessoniana</i> (L/-)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No</p> <p>Visitor Use: None</p> <p>Facilities:</p> <p>Other Features: - Strong coastal species component in this mid-altitude forest. - Several coastal species are at their southern limits, e.g. <i>Dodonaea</i>, t toki, kawakawa, native passion vine. - <i>Olearia fragrantissima</i> occurs at its northern limit. - Several notable species occurrences recorded here (by Wilson 1992).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Goats, stock, possums.</p> <p>Plant Threats:</p> <p>Other:</p>	
MANAGEMENT <p>Issues: Fencing, stock control, wild animal control (in progress).</p> <p>Priorities: Implement Banks Peninsula operational goat and possum control plans. Complete fencing.</p> <p>Management Plan: Released 1979, never approved.</p>	

LAND UNIT: N37008	NAME: DEVILS GAP SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2496557 5708795 Legal Description : RS 41146 Survey Blk & District : VI AKAROA	CMS Map # : 9 Area : 48.7340 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Flat spur, steep gully and gully walls formed on Andesitic and Basaltic volcanic flows. Old lowland second growth mixed hardwood forest with scattered podocarps in the valley and snow tussock on spurs.</p> <p>Location: Southern end of Banks Peninsula, West of Akaroa Harbour.</p> <p>Main Ecosystems: Old secondary m hoe mixed broadleaved forest; <i>Chionochloa rigida</i> tussockland; k nuka forest; rock bluff herbs and shrubs.</p> <p>Main Plant Species: M hoe, red matipo/m pou, k h h , pigeonwood, lemonwood/tarata, k whai, mata , kahikatea, lowland t tara; <i>Chionochloa rigida</i>, <i>Dracophyllum acerosum</i>, mountain flax//wharario; k nuka, <i>Coprosma rhamnoides</i>, lancewood/horoeka, shining karam , k h h , <i>Olearia paniculata</i>.</p> <p>Notable Fauna: Bellbird/k parapara or korimako, brown creeper, kerer .</p> <p>Threatened Species: Kerer (B), <i>Tupea antarctica</i> (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: None</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: - Large area of <i>Chionochloa rigida</i> at low altitude is uncommon on Banks Peninsula. - Occurrence of <i>Tmesipteris tannensis</i> which is rare in Canterbury. - The relative abundance of lowland t tara regeneration is noteworthy and the presence of sapling kahikatea regeneration is very uncommon on Banks Peninsula.</p>	
THREATS To Ecological Features: <p>Animal Threats:Goats, domestic stock.</p> <p>Plant Threats: Pinus radiata wildings, old man's beard, gorse.</p> <p>Other: Fire.</p>	
MANAGEMENT Issues: - Exclusion of stock. - Extension of protected area (RAP) - Control of Old Man's Beard. Priorities: Animal and weed control	

LAND UNIT: N37009	NAME: CAREWS PEAK SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2499943 5707912 Legal Description : RES 2782,2783,2785 LOT 1,2 DP 43022 LOT 1 2 DP 47123 Survey Blk & District : VII AKAROA VII AKAROA	CMS Map # : 9 Area : 79.0567 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Steep, south-facing hillslopes in upper gully with moist, upper-lowland to montane-broadleaved forests with podocarps, especially thin-bark t tara, and 2 small outlying patches of mixed-broadleaved forest.</p> <p>Location: Bossu Rd, S and E of Carews Peak, S Banks Peninsula W of Akaroa Harbour.</p> <p>Main Ecosystems: Upper-lowland m hoe-dominant mixed-broadleaved forest with scattered podocarps; montane broadleaved forest with thin-bark t tara; k nuka-dominant mixed-broadleaved forest.</p> <p>Main Plant Species: M hoe, broadleaf/k puka, pigeonwood, mountain fivefinger, m pou, silver fern, k whai, mata , thin-bark t tara; fuchsia/k tukutuku, pate, broadleaf/k puka, crown fern; k nuka, m hoe, fivefinger.</p> <p>Notable Fauna: Kerer , bellbird/k parapara or korimako.</p> <p>Threatened Species: Kerer (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Reserve has unusual plants: Only population of ecological district, and best in ecological region, of <i>Hymenophyllum dilatatum</i>, as well as abundant populations of 3 other film ferns and 2 spp. of <i>Tmesipteris</i>; <i>Cordyline indivisia</i>, uncommon in Canterbury. Area part of RAP 11 - Carews Peak.</p>	
THREATS To Ecological Features: Animal Threats: Goats; straying stock; possums. Plant Threats: Gorse (sparse on margins). Other:	
MANAGEMENT Issues: Goat and possum control; extension of reserve at least to merge fragments, possibly include area of RAP. Priorities: Implement Banks Peninsula operational goat and possum control plans. Investigation of extension to reserve.	

LAND UNIT: N37011	NAME: ARMSTRONG SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2509401 5708094 Legal Description : LOT 1 DP 28242 Survey Blk & District : IV GOUGHS	CMS Map # : 9 Area : 36.6619 ha Ecological District : Akaroa Area Office : Christchurch District Council : Bks.Peninsula
DESCRIPTION <p>General: Steep hillslopes dropping from summit ridge with large area of montane red beech/tawai forest, mixed-broadleaved forest in gully, vegetated bluffs and areas of snow-tussock grassland.</p> <p>Location: Near Flag Peak (809m), SE of Akaroa, Banks Peninsula.</p> <p>Main Ecosystems: Montane red beech forest with some mountain beech/tawai (over half area); snow tussock grassland with shrubs; montane bluff vegetation; gorse scrub with shrubs; thin-bark t tara forest; Fuchsia/k tukutuku- dominated mixed-broadleaved forest.</p> <p>Main Plant Species: Red beech/tawai, mountain beech/tawai (on dry knobs), broadleaf/k puka, crown fern; <i>Chionochloa rigida</i>, <i>Dracophyllum</i> sp., <i>Coprosma</i> spp/karam .., kaikawaka (seedlings); <i>Celmisia mackaui</i>, <i>Hebe lavaudiana</i>, <i>Gingidia enysi</i>; thin-bark t tara, broadleaf/k puka, fuchsia/k tukutuku, kaikawaka (dead adults); fuchsia/k tukutuku, mountain fivefinger, broadleaf/k puka, mountain pepper tree.</p> <p>Notable Fauna: Kerer , morepork/ruru koukou, rifleman/t tipounamu, tomtit/miromiro, NZ pipit/p hoihoi, bellbird/k parapara or korimako.</p> <p>Threatened Species: PLANTS: <i>Tupeia antarctica</i> (B;IUCN-V), <i>Celmisia mackaui</i> (IUCN-L) BIRDS: Kerer (B).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Kaikawaka, much of it destroyed in the area in a disastrous fire in 1984, is very rare on Banks Peninsula. Area has <i>Cordyline indivisia</i>, rare in Canterbury and on Banks Peninsula, and many other species of plant of particular interest.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Goats, straying stock.</p> <p>Plant Threats: Gorse, Spanish heath, broom, <i>Pinus radiata</i>, <i>Hieracium</i> spp.</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire prevention and control; goat control; reserve extension from S boundary (into Akaroa RAP 4)</p> <p>Priorities: Implement Banks Peninsula operational possum and goat control plans. Investigate reserve extension. Assess plant threats. Undertake statutory weed control.</p> <p>Management Plan: Draft plan released 1984, expired 1989. To be revoked under S 40A(4)(b) Reserves Act and management objectives set by the CMS</p>	

LAND UNIT: N37012	NAME: PERAKI BAY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2495699 5706632 Legal Description : R.S. 41173 Survey Blk & District : VI AKAROA	CMS Map # : 9 Area : 18.7185 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Narrow rectangular reserve on an east-facing hillslope, mid-way up Peraki Creek Valley. Boundaries do not coincide with landform or biological features. Contains a mosaic of induced communities.</p> <p>Location: Peraki Creek Valley, upslope from Peraki Bay, S side of Banks Peninsula.</p> <p>Main Ecosystems: Patchy mosaics of 2nd growth broadleaved forest; k nuka forest, shrubland dominated by <i>Coprosma</i> and <i>Helichrysum lanceolatum</i>; silver tussock/w grassland with encroaching shrub regeneration.</p> <p>Main Plant Species: M hoe, k whai, kaikomako, narrow-leaved lacebark, supplejack, broadleaf/k puka, plus common broadleaved forest species, t toki, ngaio, scattered mata and t tara; k nuka; <i>Helichrysum lanceolatum</i>, <i>Coprosma</i> spp.; silver tussock/w, cocksfoot, dogstail, <i>Microlaena stipoides</i>.</p> <p>Notable Fauna: Kerer, bellbirds/k parapara or korimako</p> <p>Threatened Species: <i>Ileostylus micranthus</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Contains <i>Leptinella minor</i> and <i>Festuca 'Banks Peninsula blue tussock'</i>, regional endemics.</p>	
THREATS To Ecological Features: Animal Threats: Goats, possums, stock. Plant Threats: Old man's beard (potential). No existing serious weed pests. Other:	
MANAGEMENT Issues: Possum and goat control. reassess boundaries in terms of ecological protection needs, assess fencing and stock control requirements. Priorities: Fencing	

LAND UNIT: N37016	NAME: LONG BAY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2499571 5705155 Legal Description : RES 2790 Survey Blk & District : XI AKAROA	CMS Map # : 9 Area : 13.5569 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Banks.Peninsula
DESCRIPTION <p>General: Small area of lowland second growth podocarp-broadleaved forest. Reserve lies below an impressive waterfall (60-70m high) in a natural amphitheatre part way up a long V-shaped valley. Has damp gully habitats and dry rocky habitats. Lava-flow bluffs outcrop at the waterfall and eastern ridge. In similar geographic position as Magnet and Peraki Bay reserves.</p> <p>Location: Southern Banks Peninsula, inland from Long Bay coastline.</p> <p>Main Ecosystems: 2nd growth m hoe mixed broadleaved forest (with scattered podocarps (85%); k nuka - Coprosma forest fringe shrubland (6%); silver tussock/w grassland (8%), shaded and dry bluff communities (minor).</p> <p>Main Plant Species: M hoe, k whai, narrow-leaved ribbonwood, pate, lancewood/horoeka, supplejack, lemonwood/tarata, k h h , t toki, ngaio, <i>Coprosma robusta</i>/karam , red m pou, kawakawa, <i>Dodonaea viscosa</i>, 4 tree fern species, t tara, mata ; <i>Coprosma</i> spp., k nuka, weeping m pou; cocksfoot, <i>Rytidosperma</i> sp., dogtail, silver tussock/w .</p> <p>Notable Fauna: Kerer , bellbird/k parapara or korimako, fantail/p wakawaka, greywarbler/riroriro.</p> <p>Threatened Species: ANIMALS: Kerer (B) PLANTS: <i>Tenucridium parviflorum</i> (C), <i>Pseudopanax ferox</i> (IUCN-L).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: No</p> <p>Visitor Use: Light</p> <p>Facilities: None</p> <p>Other Features: Contains several species at their southern limits, including kawakawa, native passion vine, t toki, <i>Dodonaea viscosa</i>.</p>	
THREATS To Ecological Features: Animal Threats: Goats, possums, deer Plant Threats: Other: Deer	
MANAGEMENT Issues: Animal control; maintain fencing. Priorities: Maintain fencing. Rationalise boundaries. Implement Banks Peninsula goat and possum control plans	

LAND UNIT: N37017	NAME: DAN ROGERS CREEK NATURE RESERVE
ADMINISTRATION Legal Status : Nature Reserve Reserve Classified ? :Y Grid Reference : 2507281 5704039 Legal Description : RES 5180 Survey Blk & District : XII AKAROA	CMS Map # : 9 Area : 6.8796 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: An amphitheatre-like excavation at mouth of steep narrow stream at edge of Akaroa Harbour with sheer extensively vegetated bluffs and steeply sloping riparian hillslopes in coastal broadleaved forest, pasture and some coastal turf.</p> <p>Location: S of Akaroa on E side of Akaroa Harbour, Banks Peninsula.</p> <p>Main Ecosystems: Exotic grassland; mixed-broadleaved light coastal forest; rock bluff vegetation; shrubland; tussockland; coastal salt turf.</p> <p>Main Plant Species: Brome, sweet vernal, other exotic pasture species; m hoe, pigeonwood, kawakawa, n kau; <i>Celmisia mackau</i>, <i>Ourisia lactea</i>, <i>Poa astonii</i>, <i>Wahlenbergia</i> 'Akaroa Heads'; <i>Coprosma propinqua</i>, <i>C. crassifolia</i>; silver tussock/w , lowland flax/harakeke; <i>Leptinella dioica</i>, <i>Disphyma australe</i>, <i>Sarcocornia quinqueflora</i>.</p> <p>Notable Fauna: White-flipped little blue penguins/koror , spotted shag (large breeding colonies adjacent to reserve), fur seals/kekeno, bellbird/k parapara or korimako, tomtit/miromiro.</p> <p>Threatened Species: PLANTS: <i>Anogramma leptophylla</i> (O:IUCN-V), <i>Celmisia mackau</i> (IUCN-L), <i>Pseudopanax ferox</i> (IUCN-L), <i>Ileostylus micranthus</i> (IUCN-L). ANIMALS: white-flipped little blue penguin/koror (B-subject to taxonomic confirmation).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: High significance for Ng i Tahu and wider community.</p> <p>Visitor Use: Medium</p> <p>Facilities: Nil</p> <p>Other Features: Particularly abundant population of <i>Celmisia mackau</i>. Very wild, dramatic landscape. N kau is near to its southern distribution limit.</p>	
THREATS To Ecological Features: Animal Threats: Goats, sheep browse. Plant Threats: Gorse (sparse), monkey musk. Other: Fire (high summer risk)	
MANAGEMENT Issues: Possum control. Amalgamation with adjacent reserve. Sheep browse. Addition of coastal road reserve. Priorities: Animal control.	

LAND UNIT: N37019	NAME: TUTAKAKAHIKURA SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2508840 5706252 Legal Description : LOT 1 DP 52839 Survey Blk & District : IV GOUGHS	CMS Map # : 9 Area : 11.3832 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Narrow stand of red beech in moderate-steep gully hillslope of the Akaroa Harbour.</p> <p>Location: Adjacent to Flea Bay Road, 5-7km South East of Akaroa, Banks Peninsula.</p> <p>Main Ecosystems: Red beech forest/tawai.</p> <p>Main Plant Species: Red beech/tawai, lancewood/horoeka, mountain fivefinger, lowland fivefinger, mata , putaputaweta, <i>Fuchsia excorticata</i>/k tukutuku, <i>Coprosma rotundifolia</i>, m pou, pigeonwood, kaikomako, broadleaf/k puka .</p> <p>Notable Fauna: Unknown.</p> <p>Threatened Species: Unknown.</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: High, Banks Peninsula Track traverses the reserve.</p> <p>Facilities: Bridge</p> <p>Other Features: Red beech of very limited distribution on Banks Peninsula, this locality may represent a refugia for beech during the last period of glaciation.</p>	
THREATS To Ecological Features: <p>Animal Threats: Goats, domestic stock.</p> <p>Plant Threats: Gorse, broom</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: -Removal of goats. - Fence maintenance.</p> <p>Priorities: Fence maintenance, goat removal</p>	

LAND UNIT: N37018	NAME: AKAROA HEAD SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : N Grid Reference : 2508365 5702193 Legal Description : PT RS 41588 RES 2166 PT RS 41588,41255 Survey Blk & District : XII AKAROA VI GOUGHS XII AKAROA VI GOUGHS	CMS Map # : 9 Area : 15.4490 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Steep coastal hillslopes and precipitous-cliffed headland, with silver tussock/w pasture on slopes and scattered salt-tolerant vegetation on cliffs.</p> <p>Location: Akaroa Heads, entrance to Akaroa Harbour, Banks Peninsula.</p> <p>Main Ecosystems: Open silver tussock/w and pasture; coastal cliffs with scattered vegetation.</p> <p>Main Plant Species: Silver tussock/wi, <i>Scirpoides nodosus</i>, <i>Rytidosperma clavatum</i>, p huehue, <i>Carmichaelia</i> sp., exotic pasture species; native ice plant, <i>Sarcocornia quinqueflora</i>, <i>Samolus repens</i>, <i>Leptinella dioica</i>, <i>Selliera radicans</i>, <i>Apium prostratum</i>.</p> <p>Notable Fauna: Spotted shags, gull spp., white-fronted tern/tara, white-flipped little blue penguins/koror , fur seals/kekeno.</p> <p>Threatened Species: ANIMALS: white-fronted tern/tara (C); white-flipped little blue penguin/koror (B; taxonomic status requires confirmation)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Remains of a house site, ruins of lighthouse site and associated buildings and landing structures (steps).</p> <p>Visitor Use: Has vehicle access, also visited as part of Banks Peninsula Coastal Walk.</p> <p>Facilities: Nil</p> <p>Other Features: Reserve has <i>Blechnum banksii</i>, very local on Banks Peninsula. Reserve has high scenic values.</p>	
THREATS To Ecological Features: Animal Threats: Grazing Plant Threats: Coprosma repens (not native to area) and exotic ice-plant. Other:	
MANAGEMENT Issues: Vegetation management, plant threats, pest impact on native plants. Priorities: Assess role of grazing in reserve management. Remove introduced native plants and exotics. Implement Banks Peninsula operational possum control plan. Interpretation of historic features Management Plan: Draft plan released 1982, expired 1987. Never approved	

LAND UNIT: N37020	NAME: PALM GULLY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? : Y Grid Reference : 2506895 5704537 Legal Description : LOT 1 DP 50933 SEC M,N,P,O,Q DP 50934 LOT 1 DP 50932 Survey Blk & District : XII AKAROA VIII,XII AKAROA XII AKAROA	CMS Map # : 9 Area : 20.5630 ha Ecological District : Akaroa Area Office : North Canterbury District Council : Bks.Peninsula
DESCRIPTION <p>General: Extremely steep coastal gorge of volcanic bluffs with wide range of native plants and coastal mixed-broadleaved forest on very steep valley floor.</p> <p>Location: S of Akaroa on E side of Akaroa Harbour.</p> <p>Main Ecosystems: Vegetation on bluffs, rocks and ledges; m hoe-dominant coastal mixed-broadleaf/k puka forest; rough exotic grassland; coastal scrub; coastal cliff and salt turf; coastal short tussockland.</p> <p>Main Plant Species: <i>Celmisia mackauai</i>, <i>Carex trifida</i>, <i>Ourisia lactea</i>, <i>Poa astonii</i>, <i>Hebe laudiana</i>; m hoe, kawakawa, n kau (c.80 adults), ti oki, pigeonwood; sweet vernal, bracken/aruhe; akeake, ngaio; <i>Disphyma australe</i>, <i>Sonchus kirkii</i>, <i>Samolus repens</i>; <i>Festuca</i> 'Banks Peninsula blue tussock'</p> <p>Notable Fauna: Kerer , brown creeper, NZ pipit/p hoihoi, spotted shag.</p> <p>Threatened Species: PLANTS: <i>Celmisia mackauai</i> (IUCN-L), <i>Myosotis 'lytteltonensis'</i> (A;IUCN-V), <i>Pseudopanax ferox</i> (IUCN-L), <i>Anogramma leptophylla</i> (O;IUCN-V), <i>Ophioglossum petiolatum</i> (O;IUCN-V; thought extinct in Canterbury) ANIMALS: kerer (B)</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Historic European dendroglyphs on n kau palms, dating back to pre-1900s.</p> <p>Visitor Use: Very high.</p> <p>Facilities: None</p> <p>Other Features: Has many plant species close to their southern limits of distribution: including akeake, pigeonwood, t toki, kawakawa, NZ passion vine, n kau palm. High scenic values.</p>	
THREATS To Ecological Features: <p>Animal Threats: Straying stock, goats, possums, stoats.</p> <p>Plant Threats: Elderberry, <i>Hieracium pilosella</i>, variegated thistle (none significant)</p> <p>Other: Fire.</p>	
MANAGEMENT <p>Issues: Fire control; possum control; addition of coastal road reserve; improve access.</p> <p>Priorities: Restore ladder access.</p>	

LAND UNIT: O33005	NAME: WAIAU RIVERMOUTH SCENIC RESERVE.
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2539650 5826875 Legal Description : RES 3666 Survey Blk & District : V CHEVIOT	CMS Map # : 5 Area : 39.8615 ha Ecological District : Cheviot Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Isolated lowland podocarp-broadleaved forest fringed with k nuka forest, situated on a steep hillslope, of the lower Waiau River gorge, 1.5km from the coast on the true Left. Local name – ‘Faraway Reserve’.</p> <p>Location: Near Waiau River mouth, NE of Cheviot. No road access.</p> <p>Main Ecosystems: Broadleaved forest with scattered podocarps on hillslopes; podocarp-broadleaved forest on river terrace, valley floor and lower hillslopes; k nuka forest; mixed shrubland on forest margin; silver tussock/w - introduced pasture grassland.</p> <p>Main Plant Species: M hoe, mata , t tara, lemonwood/tarata, ti oki, hinau, kawakawa, ngaio, kahikatea; k nuka, <i>Coprosma rhamnoides</i>, <i>C. crassifolia</i>; <i>Helichrysum lanceolatum</i>, silver tussock/w .</p> <p>Notable Fauna: T i, tomtit/miromiro, kerer (not confirmed recently), common bush birds.</p> <p>Threatened Species: ANIMALS: kerer (B) PLANTS: <i>Iteostylis micranthus</i> (IUCN-L), <i>Anemanthele lessoniana</i> (IUCN-L) (grass species).</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Archaeological sites.</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: Good example of Hurunui soils under lowland forest. <i>Myrsine montana</i> noted as an unusual occurrence. Uncommon species include <i>Microlaena polynoda</i>, (grass) <i>Aleris tremula</i> (fern).</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Past stock and pig damage, now minor; possums, pig</p> <p>Plant Threats: Broom, gorse (extensive around reserve), nassella tussock, briar (Weeds mainly marginal to forest).</p> <p>Other: Fire (risk of spread from intentional fires on adjacent private land).</p>	
MANAGEMENT <p>Issues: Grazing licence management, weed control, especially statutory control of nassella tussock, fence maintenance, regular assessment of condition and management needs.</p> <p>Priorities: Fence maintenance Statutory weed control</p>	

LAND UNIT: O33049	NAME: GORE BAY SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2534786 5815695 Legal Description : SEC 50 SO 14903 Survey Blk & District : XI CHEVIOT	CMS Map # : 5 Area : 63.0550 ha Ecological District : Cheviot Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Coastal broadleaved forest on steep gully slopes, and scattered shrublands mixed within calcareous siltstone badlands "The Cathedrals", the key feature of this reserve.</p> <p>Location: S end of Gore Bay settlement, N Canterbury coast, E of Cheviot.</p> <p>Main Ecosystems: Broadleaved forest, shrubland on steep slopes of gullies and badlands.</p> <p>Main Plant Species: M nuka (rather than the more common k nuka), <i>Olearia paniculata</i>, <i>Dodonea viscosa</i>, fivefinger, k whai, ngaio, ti, <i>Coprosma robusta</i>/karam, <i>Carmichaelia robusta</i>, <i>Helichrysum lanceolatum</i>, kawakawa, m hoe, <i>Muehlenbeckia complexa</i> and <i>M. australis</i></p> <p>Notable Fauna: Kerur, fantail/p wakawaka, tomtit/miromiro. Good number of coastal bird species.</p> <p>Threatened Species: Nil</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Archaeological sites.</p> <p>Visitor Use: Medium</p> <p>Facilities: Tweedies Gully Track</p> <p>Other Features: The Cathedrals in Gore Bay Scenic Reserve are a striking badlands formation. Deeply dissected and fluted gravel cliffs and pinnacles. Listed as a geopreservation site of national interest. - One of few reserves of yellow grey - yellow brown earth intergrades under coastal native vegetation. This reserve protects an example of Medina intergrade soils. - Ecologically similar to Putangina Pinnacles Reserve in Palliser Bay, Wairarapa (especially because of m nuka and badlands landforms). - Kelly records Karaka in the Gore Bay area, a species thought to have been introduced by M ori.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Possums, grazing animals.</p> <p>Plant Threats: Nassella tussock, gorse (minor), wilding pines, broom.</p> <p>Other: Fire (especially from housing settlement).</p>	
MANAGEMENT <p>Issues: Nassella tussock, recreation management.</p> <p>Priorities: Weed control, boundary fencing.</p>	

LAND UNIT: O33070	NAME: SHAG ROCK SCENIC RESERVE
ADMINISTRATION Legal Status : Scenic Reserve Reserve Classified ? :Y Grid Reference : 2538507 5821795 Legal Description : SEC 4 SO 16758 Survey Blk & District : VIII CHEVIOT	CMS Map # : 5 Area : 38.5600 ha Ecological District : Cheviot Area Office : North Canterbury District Council : Hurunui
DESCRIPTION <p>General: Recently reserved coastal forest with a notable podocarp component, situated on remote steep gullies and ridges. hillslopes extend from sea level to 250m. Adjacent Shag Rock, a former headland relic just offshore, and a rocky coastline.</p> <p>Location: End of Glenkens Rd (part private), E of Cheviot on North Canterbury coast.</p> <p>Main Ecosystems: Coastal broadleaved-hardwood forest with podocarp tree species; hardwood, m nuka and k nuka forest; bracken fernland, silver tussock/w grassland.</p> <p>Main Plant Species: Ngaio, t toki, <i>Olearia paniculata</i>, broadleaf/k puka, <i>Coprosma</i> spp./karam, m hoe, fivefinger, m nuka, k nuka, kawakawa, k whai, emergent mata, t tara and hinau; forest grades into bracken/aruhe, flax/harakeke, ti/t k ura/t r kau; then into silver tussock/w on farmland margins.</p> <p>Notable Fauna: Common bush birds, fur seals/kekeno on legal road strip along coastline (largest colony on South Island east coast).</p> <p>Threatened Species: Nil</p> <p>Landscape: Is a regionally significant natural feature or landscape.</p> <p>Historic/Cultural: Unknown</p> <p>Visitor Use: Low</p> <p>Facilities: Nil</p> <p>Other Features: - Meets criteria to be recognised as an ASCV. - Coastline beside the reserve supports a large and expanding fur seal/kekeno colony (over 2000 counted between Waiiau River and Shag Rock). - Shag Rock supports breeding gulls and shags. - Reserve contains 3 uncommon ferns <i>Lastreopsis glabella</i>, <i>L. velutina</i>, and <i>Pteris tremula</i>. - Reserve was gifted by Winskill family. Gazetted in 1993.</p>	
THREATS <p>To Ecological Features:</p> <p>Animal Threats: Possums, cats</p> <p>Plant Threats: Nassella tussock, Montpellier broom</p> <p>Other: Fire from burning on adjacent farmland.</p>	
MANAGEMENT <p>Issues: Monitor condition, clarify public access.</p> <p>Priorities: Weed control., boundary fencing, pest control.</p>	