

Table of Infestation sites on land administered by DOC

Note: An asterisk (*) in the 'Total Score' column indicates that weeds other than wilding conifers pose the main threat to the management unit.

Management Unit name / Infestation Site Name	Area Office	Area under threat (ha)	Rank Scores				Important natural values of the management unit (justification for ranking scores)	Threat posed to the management unit by invasive weeds	Objectives of potential or actual wilding conifer control programme	Wilding Conifer species threatening the management unit	Other weed or animal pest species threatening the management unit
			botanical	wildlife	urgency	Total Score					
Big Bay / Big Bay & Martins Bay	TA	50	5f	6	3.5	21 L-M	Shrubland, sandfield on extensive dunes, representative of ED (5f); unnamed species of skink endemic to the dunes at these two sites (6)	Invasion and suppression of dune vegetation and skink habitat; risk of extinction of skink; threat to landscape character	Remove all wildings; seek to remove seed trees from adjoining land?	radiata pine macrocarpa?	blue gum, tree lupin, broom, tutsan
Cromwell Chafer Beetle Reserve	CE	81	5d	6	3.5	21 H	Short tussockland and cushionfield with large population of endangered	Invasion and suppression of tussockland; destruction of beetle habitat; national extinction of	Remove all seedlings; monitor for reinfestation	radiata pine	broom, thyme, sweet briar, herbaceous weeds

							species (<i>Luzula celata</i>) (5d); contains animal species endemic to ED (<i>Prodontria lewisi</i> chafer beetle) (6)	beetle; loss of <i>Luzula celata</i> habitat			
Mt Richmond Forest Park / Red Hills	MO SA	12000	6a	4	3.5	21 H	Ultramafic tussockland and rockland communities, nationally threatened vegetation type endemic to ED (6a); <i>Myosotis laeta</i> (and other species) endemic to area	Invasion and suppression of open communities; national extinction of plant community; threat to landscape character and historic sites	Remove all wildings on Red Hills; remove <i>contorta</i> from take-off sites on Beebys Ridge and from above 1300m asl on Gordon Range (dense infestation covering 450 ha)	<i>contorta</i> pine <i>radiata</i> pine Douglas fir mountain pine Corsican pine	
Aldinga Conservation Area	CE	370	4f	6	3	18 M	Semi-arid lowland cushionfield, modified by herbaceous weeds (4f); contains animal species endemic to ED (<i>Prodontria</i> sp.	Invasion and suppression of cushionfield vegetation and destruction of beetle habitat; local extinction of beetle	Remove single wilding pine tree; remove any seedlings; monitor for further infestations	<i>radiata</i> pine	brown top, sweet vernal, stonecrop, haresfoot trefoil, sweet brier, broom, thyme, elder, cherry plum, everlasting pea

							beetle) (6)				
Lance McCaskill Nature Reserve and Castle Hill Conservation Area	WA	60	6b	4d	3	18 M	Best representative example of limestone talus plant community (6b)	Invasion and suppression of all plant communities in the reserve, including local extinction of threatened species; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	larch Pinus spp.	viper's bugloss sandwort field chickweed Chewings fescue oxeye daisy
Enys Reserve	WA	4	6a	1	3	18 M-H	Small area of relatively modified shrubland and short tussockland, containing threatened species endemic to ED (Hebe armstrongii) (6a)	Invasion and suppression of all plant communities in the reserve, including local extinction of threatened species; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	larch Pinus spp.	broom, gorse, blackberry, Hieracium pilosella
Masons / Mason Bay	SI	10	5f	5a	3	15 L	Extensive dune vegetation, representative of ED (5f); containing population of recovering	Invasion and suppression of dune plant communities, including likely local extinction of	Remove wildings, especially those infestations directly threatening	macrocarpa	marram grass, tree lupin

							(conservation-dependent) species (Gunnera hamiltonii); Cat.B species breeds in unit (tokoeke) (5a)	Gunnera population; threat to landscape character	Gunnera population		
Kahurangi / Cobb Valley	GB	10	6b	5a	2.5	15 L	Heathland on ultramafic rock, endemic to ED, best representative site of uncommon plant community (6b); Cat.B species breed in unit (karearea, kea) (5a)	Invasion and suppression of heathland and re tussockland; threat to historic sites	Remove wildings; infestations still very confined and no immediate threat to rare communities	Lawson's cypress	gorse, broom Russell lupin, buddleia, Cotoneaster franchetii
Mt Ararat Rata Reserve	NC	3	5c	2	3	15 M	Southern rata forest with species at geographic limit (Celmisia monroi, Hymenophyllum cupressiforme) (5c)	Invasion of plant community and local extinction of rata and Celmisia monroi	Remove wildings; monitor and control re-infestation	radiata pine?	nassella tussock (potential threat)
Kowhai Point	SM	10	5d	2	3	15	Riparian forest	Invasion and	Remove	Pinus sp.	broom, gorse,

Scenic Reserve						M	remnant with threatened species not endemic to ED (Carex inopinata) (5d)	suppression of forest; possible local extinction of Carex population (3)	wildings, especially those threatening the Carex population; seek to remove, or contain spread from, seed trees on adjoining land		blackberry, cherry, spindle tree, gooseberry
Denniston Scenic Reserve	BU	20	6b	5a	2.5	15 M	Extensive shrubland, tussockland and rockland coal plateau communities, best representative site of a nationally uncommon vegetation type (6b), contains vegetation type endemic to ED (Chionochloa juncea tussockland) (5e); vulnerable (Cat. B) species breeds	Invasion and suppression of low-stature plant communities (esp. tussockland); modification of kiwi habitat; threat to landscape character and historic sites	Remove wildings and seed trees; monitor for further infestations	contorta pine radiata pine mountain pine	gorse, broom, grey willow

							in the unit (great spotted kiwi) (5a)				
Bendhu Scientific Reserve	TW	46	5f	?	3	15 M	Bog pine shrubland, best example in ED; representative of ED (5f)	Invasion and suppression of bog pine shrubland; local extinction of bog pine shrubland	Remove wildings, monitor, and control new infestations	contorta pine	elder, sweet brier, broom, rabbit
Lake Lyndon / Cupress-oides Stream	WA	50	5d	3a	3	15 M	Montane shrubland, uncommon in ED, containing best Canterbury population of threatened species not endemic to ED (Hebe cupressoides) (5d)	Invasion and suppression of shrubland by wildings from nearby shelterbelt and wilding trees; potential local extinction of Hebe cupressoides	Remove wildings; seek removal of shelterbelt, or containment of spread	Pinus sp.	sweet brier, Hieracium pilosella
Awarua- Waituna	MU	150	6b	5	2.5	15 M	Lowland peatland and wetland; the best representative site in the country for this uncommon vegetation type	Invasion and suppression of wetland plant communities; displacement of plants at some sites; threat to landscape	Remove all wildings; contain wildings at adjoining sites	radiata pine	gorse, broom, Spanish heath, elder

							(6b)	character			
Flat Top Hill Conservation Area	CE	200	5f5d	5a	3	15 M	Semi-arid lowland cushionfield, short tussockland, shrubland, representative of ED (5f), important site for endangered plant (Ceratocephala pungens) (5d); Cat.A species breeds in unit (Prodontria chafer beetle) (5a)	Invasion and suppression of cushionfield, tussockland, and shrubland; reduction in habitat of Ceratocephala, local extinction of beetle; threat to landscape character	Remove all seedlings; seek to remove seed trees from adjoining land	contorta pine radiata pine	sweet brier, broom, gorse, pear, hawthorn, elder, thyme, herbaceous weeds
D'Urville Island (and French Pass SR buffer)	SO	200	6a 6b	5a	2.5	15 M	Extensive forest and coastal ultramafic vegetation, with threatened species endemic to ED (Pimelea sp.) (6a); best representative of nationally uncommon vegetation type	Invasion and suppression of ultramafic plant communities; threat of re-invasion across French Pass; threat to cultural sites?	Remove wildings from ultramafic plant communities; prevent further infestations	radiata pine	old man's beard, banana passionfruit, Japanese honeysuckle, gorse, broom, Spanish heath, climbing asparagus, ginger, and others

							(coastal ultramafic vegetation) (6b); Cat.B species breed in unit (karearea, kaka, bat, snail) (5a)				
Cave Stream Reserve	WA	16	5d	2	3	15 M-H	Modified shrubland and short tussockland, containing threatened species (Hebe cupressoides) (5d)	Invasion and suppression of all plant communities in the reserve, including local extinction of threatened species; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	radiata pine?	broom, crack willow, blackberry, Russell lupin, gooseberry, gorse, sweet brier
Emerald Stream	CO	1000	5d	6	2.5	15 M-H	Red and snow tussockland, shrubland, containing endangered grass (Simplicia laxa) (5d); Cat.A species best represented in this unit (Otago skink and grand skink) (6)	Invasion and suppression of tussockland and shrubland; shading of rock tors important for skinks; threat to landscape character	Remove existing pine shelterbelt; remove all wilding spread; monitor	radiata pine	domestic stock

Kirkliston Range Conservation Area	TW	2000	5f	5e	3	15 M-H	Extensive tussockland, herbfield, representative of ED (5f); large area of habitat not represented elsewhere (5e)	Invasion and suppression of tussockland; local extinction of plant communities; threat to landscape character	Remove wildings, monitor, and control new infestations (ongoing control programme)	contorta pine	elder, sweet brier, broom, gorse
Eyre Mountains	WK	1000	6b	5a	2.5	15 M-H	Subalpine and alpine vegetation communities in excellent condition; contains plants endemic to ED including <i>Celmisia thomsonii</i> and <i>Aciphylla spedenii</i> ; best representative site of uncommon vegetation type (6b); contains endangered species (<i>Olearia hectorii</i>); Cat.B species breed in unit (kea and	Invasion and suppression of cushionfield tussockland and shrubland; core of unit currently unaffected but margins are being invaded	Remove wildings; monitor; remove further infestations	contorta pine radiata pine Corsican pine Douglas fir	broom, gorse, sweet brier, herbaceous weeds, goats (sparse), chamois, deer

							karearea) (5a)				
Shag Point Scientific Reserve	CO	5	5d	1	3	15	Snow tussockland at low altitude coastal site, containing vulnerable species (Uncinia strictissima) (5d)	Invasion and suppression of tussockland; local extinction of Uncinia ?; threat to landscape character	Remove seedlings; continue to monitor and remove further infestations	radiata pine Douglas fir macrocarpa	gorse, cotoneaster, broom
Pukaki Scientific Reserve	TW	50	5f 5d	5b	3	15	Montane red tussockland and shrubland, representative of ED (5f), containing threatened species not endemic to ED (Hebe cupressoides) (5d); important habitat for Cat.A species (black stilt) (5b)	Invasion and suppression of shrubland and red tussockland; local extinction of Hebe cupressoides; threat to landscape character	Remove wildings, monitor, and control new infestations	contorta pine Pinus nigra	cotoneaster, mat grass (Nardus stricta), rabbit
Wilderness	TA	100	5a	4d	3	15	Montane bog pine shrubland, good example of nationally uncommon vegetation type (5a); habitat not	Invasion and suppression of shrubland; displacement and local extinction of bog pine	Remove wildings; monitor for further infestations; seek to remove seed	radiata pine Douglas fir	rowan, gorse, broom, heather

							represented to same extent elsewhere in ED (4d)	shrubland; threat to landscape character	trees on adjoining land		
Mt Richmond Forest Park / Hackett	MO	500	5e 5a 5d	3a	3	15 H	Ultramafic vegetation communities, forest communities endemic to ED (5e), shrubland nationally uncommon (5a); containing vulnerable species (<i>Coprosma obconica</i>) (5d); habitat for typical species (3a)	Invasion and suppression of low-stature plant communities; local extinction of shrubland; threat to historic sites	Remove pines from priority sites; monitor for further spread; remove or contain seed sources	radiata pine? contorta pine?	
Ferintosh Retirement Area (including Dusky CA)	TW	15000	5f 5d	5a	3	15 H	Extensive area of tussockland, shrubland, rockfield, representative of ED (5f), containing threatened species (<i>Hebe cupressoides</i>) (5d); Cat.B species breeds in unit (kea-	Invasion and suppression of red tussockland and bog pine shrubland; local extinction of <i>Hebe cupressoides</i> shrubland	Remove wildings, monitor, and control new infestations	larch contorta pine	rowan, cotoneaster, broom, gorse, wallaby, rabbit

							inferred) (5a)				
Tin Range-Pegasus / Rakeahua Valley	SI	2	5f	6	2.5 1.5	15 * L	Extensive intact forest and sub-alpine plant communities, representative of ED (5f); animal species best represented in this ED (Harlequin gecko, NZ dotterel) (6)	Invasion and suppression of valley floor shrubland; wilding conifers pose no significant threat to forest or animal habitat	Remove wildings; remove, or contain spread from, seed trees	macrocarpa	
Pt Lyttelton Scenic Reserve	NC	28	5d	2	3 1.5	15 * M	Hardwood forest remnants, scrub, rockland, and pasture, containing threatened species not endemic to ED (Leptinella nana and Myosotis australis var. lytteltonensis) (5d)	Invasion of low-stature plant communities; local extinction of threatened species	Remove wildings; monitor and control re-infestation	radiata pine? (minor component)	old man's beard, gorse, hawthorn, bone-seed, baccharis, flowering currant, boxthorn, spindle tree, Darwin's barberry, Cotoneaster microphylla, and others
Sutton Salt Lake	CO	140	6a	?	2.5 1.5	15 *	Inland salt lake, plant community endemic to ED	Invasion and suppression of salt lake plant communities	Remove seedlings; monitor and control further	radiata pine	salt grass (Puccinellia fasciculata), sow thistle,

						M	(6a); wildlife values?	by herbaceous weeds; threat to landscape character (wilding conifers are unlikely to affect salt lake)	spread; seek to remove seed trees on adjoining land		Californian thistle, broom, gorse, sweet brier, elder, hawthorn, Prunus sp., Khasia berry (Cotoneaster simonsii)
Blumine Island	SO	370	5b	6	2.5 1.5	15 * M	Regenerating coastal forest, unmodified by possums (5b); contains animal species endemic to ED (Powelli-phanta hochstetteri bicolor) (6)	Invasion and possible suppression of regenerating forest; indirect risk to fauna; threat to cultural and historic sites	Remove wildings; remove or contain seed sources	radiata pine?	old man's beard, wattle, periwinkle, cherry plum
Abel Tasman National Park / northern coastline	GB	625	5a 5d	4	3 1.5	15 * M	Coastal dune vegetation, nationally uncommon (5a); containing threatened plants not endemic to ED (Lepidium banksii and Rorippa divaricata) (5d)	Invasion and suppression of coastal plant communities; local extinction of spinifex and cress species	Remove wildings; seek to remove seed sources on adjoining land?	radiata pine (minor component) Ponderosa pine?	ice plant, montbretia, willow, privet, broom, blackberry, buddleia, cotton-easter, Japanese honey-suckle, banana passionfruit,

											selaginella, periwinkle, Tradescantia, boxthorn, marram, gorse
Lake Alexandrina Scenic Reserve	TW	800	5f	4a	3 1.5	15 * M	Montane sedgeland and reedland. best example of Carex secta in ED, representative of ED (5f); supports species that have declined significantly (southern crested grebe, Australasian bittern, marsh crane) (4a)	Invasion and suppression of sedgeland (local extinction of Carex secta community); modification of wildlife habitat; threat to landscape character	Contain wilding spread to protect sedgeland	Ponderosa pine Pinus nigra	silver birch, crack willow, lupin (Russell or tree?)
Takaka Hill / Golden Bay lowland limestone	GB	312	5a	5a	3 1.5	15 * H	Lowland forested karst, nationally uncommon vegetation type (5a); Cat.B species (P. h. hochstetteri) breeds in unit (5a)	Invasion and suppression of coastal plant communities; threat to land snail habitat and local extinction of species	Remove wildings; seek to remove seed sources on adjoining land?	radiata pine? (minor component)	old man's beard, gorse, banana passionfruit, broom, cotoneaster, Himalayan honeysuckle, periwinkle

Mount Aspiring National Park / Makarora Township	WN	4	5a 5f	5a	2.5	12.5 L	Podocarp-silver beech-mixed hardwood forest on valley floor, representative of ED (5f); nationally uncommon vegetation type (5a); Cat.B species breeds in unit (kaka) (5a)	Invasion of intact forest by shade-tolerant spruce? trees	Remove wilding trees; seek removal of seed trees on adjoining land	Norway spruce? (listed as "spruce – Abies sp.") (Norway spruce is Picea abies))	sycamore, cherry laurel, hawthorn, sweet cherry, gooseberry, broom, gorse, sweet brier
Masons / Kilbride	SI	10	5f	5a	2.5	12.5 L	Extensive dune vegetation, representative of ED (5f); Cat.B species breeds in unit (tokoeke) (5a)	Invasion and suppression of dune plant communities; potential threat to Gunnera hamiltonii population nearby; threat to landscape character	Remove wildings; monitor for further infestations	macrocarpa	gorse, tree lupin, marram grass
Mounds of Misery / Lochinvar	WA	10	5f	5a	2.5	12.5 L-M	Extensive beech forest, representative of ED (Cass RAP 24) (5f); Cat.B species breed in unit (kea-inferred)	Possible invasion of beech forest; significant threat to adjoining short tussockland on Mt White	Remove wildings; remove seed trees at Lochinvar Hut	Douglas fir Corsican pine	gorse?

							(5a)	pastoral lease (Cass RAP 24)			
Motuara and Long Islands	SO	20	4e	5a 5b	2.5	12.5 L-M	Regenerating coastal forest, possum-free (4e); kiore absent (Motuara); supports breeding population of endangered species (little spotted kiwi, Long Is) (5a); provides refuge for endangered species (Okarito brown kiwi, Motuara) (5b)	Suppression of forest regeneration; invasion of new sites; indirect effect on endangered species habitat?; threat to cultural and historic sites	Remove wildings; remove, or contain spread from, seed trees	radiata pine?	old man's beard, ivy, periwinkle, hydrangea, wallflower, pohutukawa
Aoraki West	AO	250	5d 5f	5a	2.5	12.5 L-M	Remnant silver beech forest, sub-alpine shrubland, valley-floor grasslands (modified), representative of ED (5f); contains threatened species not	Invasion and suppression of grassland and regenerating shrubland. at three sites (Birch Hill Stream, White Horse Hill (campground), and the Hermitage;	Remove all wildings at all three infestation sites; monitor for further spread; seek to remove seed trees (especially aggressive species) and	contorta pine Pinus nigra radiata pine Douglas fir larch Ponderosa	heather, sweet cherry, rowan, cotoneaster, elder, poplar, silver birch, bugle, columbine, raspberry, broom

							endemic to ED (Deschampsia cespitosa) (5d); Cat.B species breeds in unit (kea) (5a)	threat to landscape character	contain spread from other trees at zero density	pine Sitka spruce Norway spruce	
Cameron Valley	RU	300	5f	3a	2.5	12.5 L-M	Extensive montane and alpine tussockland, rockfield, herbfield shrubland (minor), representative of ED (5f); habitat for kea, karearea (3a)	Invasion of low-stature plant communities including herbfield and tussockland; suppression of shrubland regeneration in lower valley; threat to landscape character	Remove wildings; monitor and remove seedlings; remove seed trees (planted)	Douglas fir macrocarpa	gorse, broom, crack willow (mostly on adjoining land), thar, chamois
Havelock	RU	400	5f	5a 5e	2.5	12.5 L-M	Extensive montane to alpine tussockland, shrubland, forest remnants, and open riverbed, representative of ED (5f); threatened species breed in unit (blue duck, kea,	Invasion and suppression of low-stature plant communities, including important open riverbed habitat and tussockland and shrubland; threat to landscape	Remove wildings; monitor and remove seedlings; remove seed trees (planted)	Douglas fir Lawson's cypress? larch Corsican pine	silver birch, Nothofagus antarctica, apple, pussy willow, alder, elder, Russell lupin, columbine, thar, chamois, possum

							black fronted tern, wrybill) (5a)	character			
Lauder Basin Conservation Area	CE	500	5f	5a	2.5	12.5 L-M	Snow tussockland and cushionfield, relatively unmodified, best example of Chionochloa macra grassland in Central Otago (5f); Cat.B species breed in unit (karearea, weta, and chafer beetles (5a)	No current infestation but occasional wilding conifers removed	Monitor for new infestations; seek removal of wilding and seed trees on adjoining land	contorta pine	willow, herbaceous weeds
Jollie Brook	NC	2000	5f	5a	2.5	12.5 L-M	Montane beech forest, representative of ED (5f); modified grassland (3c); Cat. B species breed in unit (great spotted kiwi) (5a)	Potential threat to forest community and kiwi habitat	Remove wildings; monitor and control re-infestation (substantial control already undertaken)	contorta pine Douglas fir Corsican pine	broom
Paparoa National Park /	BU	2	5a	3a	2.5	12.5	Lowland forest and scarp	Invasion and suppression of	Remove wildings from	radiata pine	gorse, montbretia

Punakaiki						M	vegetation on karst, nationally uncommon vegetation type (5a)	low-stature coastal scarp communities; threat to landscape character	hillside above SH6; monitor for further infestations		
Punakaiki Scenic Reserve / Kaipakati Point	BU	5	5d	3a	2.5	12.5 M	Coastal shrubland and rockland (cliff), containing threatened species (Lepidium sp.)? (5d); habitat for little blue penguin (3a)	Invasion of coastal shrubland and bluff vegetation; threat to landscape character	Remove wildings; negotiate removal of seed trees on private land; monitor	radiata pine	gorse, pampas, cotoneaster
Eyres / Cromel Stream	MU	10	5f	5a	2.5	12.5 M	Extensive montane forest and shrubland, representative of ED (5f); Cat.B species breed in unit (kea, karearea-inferred) (5a)	Invasion and suppression of valley floor grassland	Monitor for wilding spread around Cromel Branch Hut (controlled 1997)	larch	gorse, broom
Dobson Conservation Area	TW	10 ?	5d 5f	5a	2.5	12.5 M	Extensive forest, scrub, tussockland, representative of ED (5f), containing threatened species	Invasion and suppression of subalpine scrub and tussockland; threat to landscape character	Remove wildings, monitor, and control new infestations	larch contorta pine Corsican sp.	elder

							(Pittosporum patulum) (5d); Cat.B species breeds in the unit (kea-inferred) (5a)				
Long Bay Scenic Reserve	NC	13	5c	3a	2.5	12.5 M	Lowland successional forest with remnant podocarps, and several species at geographic limit (kawakawa, titoki, akeake) (5c); habitat for kereru and other forest birds (3a)	Invasion and suppression of forest regeneration	Remove wildings; monitor and control re-infestation	radiata pine?	
Wye Creek	WK	13	5d	3c	2.5	12.5 M	Montane shrubland, regenerating forest, contains endangered species (Hebe cupressoides) (5d); contains animal species typical of habitat (3c)	Invasion and suppression of shrubland and regenerating forest	Remove wildings; monitor for further infestations	Douglas fir Corsican pine contorta pine Lawson's cypress	broom
Motuariki Island	TW	25	5f	?	2.5	12.5	Lowland prostrate	Invasion and suppression of	Contain wilding	Pinus nigra	?

						M	kowhai-matagouri-Coprosma shrubland, best example in ED, representative of ED (5f)	shrubland	spread to protect shrubland	Pinus coulteri	
Awakino Conservation Area	TW	40	5f	?	2.5	12.5 M	Dryland shrubland, representative of ED (5f)	Potential threat to area from seed sources nearby	Monitor, and remove new infestations	wilding pines (potential)	broom, nassella tussock, barberry, rabbit
Slopedown	MU	50	5f 5d	4a	2.5	12.5 M	Tussockland, representative of ED (5f); containing threatened species not endemic to ED (Deschampsia cespitosa) (5d)	Invasion and suppression of tussockland	Remove wildings that threaten tussockland, remove or contain other infestations	contorta pine Corsican pine larch	gorse, broom
Broken River Forest / Avoca Homestead	WA	50	5f	4d	2.5	12.5 M	Montane dry-climate beech forest, representative of ED (Cass RAP 4) (5f); largely unmodified habitat best not as well represented elsewhere in	Invasion of open beech forest and forest margins	Remove wildings, monitor and control new infestations; remove seed trees from wider area	radiata pine	broom, crack willow, gorse, sweet brier

							ED (4d)				
Peraki Saddle Scenic Reserve	NC	74	5f	4a	2.5	12.5 M	Montane podocarp hardwood forest and associated communities, representative of ED (5f); habitat for kereru and other species (3a)	Invasion of tussockland and forest openings	Remove wildings; monitor and control re-infestation	radiata pine	gorse
Otemat-apaeo Recreation Reserve	TW	84	5f	?	2.5	12.5 M	Lowland dryland shrubland and herbfield, best example in ED, representative of ED (5f)	Invasion and suppression of shrubland and herbfield	Contain wilding spread to protect shrubland	Pinus nigra	sweet briar, Hieracium spp
Abel Tasman National Park / Abel Tasman Islands	MO	100	5a 5b	4	2.5	12.5 M	Coastal plant communities, nationally uncommon (5a); largely unmodified (5b)	Invasion and suppression of coastal plant communities; threat to cultural sites	Remove all wildings (Adele Island and Fishermans Island); monitor for further infestations; remove seed sources	radiata pine?	
Lewis Pass Scenic	NC	100	5f	5a	2.5	12.5	Extensive montane beech	Invasion and suppression of	Seek to remove all	Douglas fir	gorse, broom

Reserve / Boyle Village						M	forest and valley floor shrubland, representative of ED (5f); Cat.B species breed in unit (kea, karearea-inferred) (5a)	valley floor shrubland; possible invasion of forest	wildings surrounding village (partly on private land?); seek to remove seed trees in village	radiata pine (potential) macrocarpa (potential) Ponderosa pine (potential)	
Jollie & Cass Conservation Areas	TW	100	5f	5a	2.5	12.5 M	Extensive alpine and sub-alpine plant communities, representative of ED (5f); Cat.B species breed in unit (kea, invertebrates-inferred) (5a)	Potential threat from wilding conifers	Monitor, and remove new infestations	larch Corsican pine (potential threat)	thar
Rockwood / Hoods Bush	WA	100	5d	3a	2.5	12.5 M	Montane beech forest remnant, typical of ED, containing threatened species not endemic to ED (Coprosma pedicellata) [formerly C. "violacea"] (5d); habitat for	Invasion of forest margin and openings	Contain wilding spread to prevent invasion of fertile forest edge sites (C. pedicellata habitat)	larch	broom, gorse, blackberry, Himalayan honeysuckle

							karearea (3a)				
Treble Cone Skifield Conservation Area	WN	100	5f	5a	2.5	12.5	Alpine herbfield, snow tussockland and rock outcrops representative of ED? (5f); Cat.B species breed in unit (kea) (5a)	Invasion and suppression of tussockland and herbfield	Remove wildings; monitor; remove further infestations	mountain pine	herbaceous weeds
Craigieburn Valley	WA	150	3a	5a	2.5	12.5	Montane beech forest, sub-alpine and alpine communities, typical of ED (3c); Cat.B species breeds in the unit (kea) (5a)	Invasion and suppression of low-stature plant communities, threat to sub-alpine habitat of kea	Remove wildings, monitor and control new infestations; remove seed trees (trial plots)	contorta pine Pinus sp.	crack willow, other willow (Salix piperii, Salix boothii)
Mt Stalker Conservation Covenant	CO	153	5f	3c	2.5	12.5	Red tussock grassland, representative of ED? (5f); typical animals of the habitat (3c)	Invasion and suppression of tussockland; threat to landscape character	Remove all wilding spread; continue to monitor	Pinus sp.?.	herbaceous weeds
Lindis Pass Scenic Reserve	TW	200	5f	3c	2.5	12.5	Montane tussockland, best example in ED, representative	Invasion and suppression of tussockland; threat to landscape	Remove wildings; monitor; and control new infestations	contorta pine?	sweet brier, broom, tree lupin

							of ED (5f); large site supporting most species typical of habitat (3c)	character			
Broken River	WA	200	3a	5a	2.5	12.5 M	Montane beech forest, sub-alpine and alpine communities, typical of ED (3c); Cat.B species breeds in the unit (kea) (5a)	Invasion and suppression of low-stature plant communities, threat to sub-alpine habitat of kea	Remove wildings, monitor and control new infestations; remove seed trees (trial plots)	Douglas fir larch contorta pine Pinus sp.	Eucalyptus niphophila
Mt Fyffe	SM	200	4a	5a	2.5	12.5 M	Alpine plant communities; once more widespread in ED (4a); Cat.B species breeds in unit (speargrass weevil <i>Lyperobius huttoni</i>) (5a)	Invasion and suppression of low-stature plant communities	Remove wildings on north face; remove seed trees on lower slopes	Pinus sp.	alder
Nelson Lakes National Park / St Arnaud	SA	235	5d 5f	5a	2.5	12.5 M	Montane forest and shrubland adjoining Rotoiti Recovery Project area, containing	Invasion of forest and shrubland; threat to cultural and historic sites; threat to	Remove all Douglas fir wildings; seek to remove seed trees from adjoining	Douglas fir	Russell lupin, cotoneaster, buddleia, rowan, ivy, raspberry, blackberry, willow, and

							threatened species (Pittosporum patulum) (5d); and representative of ED (5f); Cat.B species breeds in unit (kaka) (5a)	Mainland Habitat Island project	land		others
Porter	WA	250	3a	5a	2.5	12.5 M	Montane and alpine tussockland, rockland, and herbfield typical of ED (3c); Cat.B species breeds in the unit (kea) (5a)	Invasion and suppression of low-stature plant communities, threat to sub-alpine habitat of kea; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	contorta pine larch Douglas fir Pinus sp.	broom, gorse
Benmore	WA	250	5f	3a	2.5	12.5 M	Extensive area of montane and sub-alpine rockland, tussockland, shrubland, scrub and forest, representative of ED (5f); habitat for kea, karearea (3a)	Invasion and suppression of low stature plant communities; threat to landscape character	Monitor for wilding spread; remove seedlings (the area is largely unaffected by wilding conifers, but threatened by extensive plantings and wildings)	Pinus sp.	

									nearby)		
St Mary Range	TW	300	5f	?	2.5	12.5 M	Montane and alpine tussockland, wetland, rockland, representative of ED (5f); wildlife values?	Invasion and suppression of plant communities	Remove wildings; monitor	Douglas fir contorta pine mountain pine redwood	sweet brier, Hieracium sp.
Eyres / Ashton Burn	MU	400	5f	5a	2.5	12.5 M	Extensive montane and sub-alpine tussockland, rockland, herbfield, representative of ED (5f); Cat.B species breed in unit (kea, karearea-inferred) (5a)	Invasion and suppression of valley floor grassland; threaten to landscape character	Remove all wildings (controlled in 1994/95 and 1999); monitor for further infestations	Ponderosa pine Corsican pine?	
Foggy Peak	WA	450	5f	3a	2.5	12.5 M	Extensive area of montane and sub-alpine rockland, tussockland, shrubland and forest, representative of ED (5f); habitat for kea, karearea (3a)	Invasion and suppression of low stature plant communities; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	larch contorta pine Scots pine Douglas fir	broom

Rogerson Catchment	NC	500	5d	3a	2.5	12.5 M	Contains threatened species not endemic to ED (Coprosma obconica) (5d), and other local species; kea, karearea and other species (3a)	Invasion of low stature plant communities, possible local extinction of threatened species?	Remove wildings; monitor and control re-infestation	Douglas fir contorta pine maritime pine	Spanish heath, cherry, broom, gorse, blackberry
Burwood / Burwood	TA	500	5f	4	2.5	12.5 M	Extensive tussockland and wetland communities representative of ED (5f)	Invasion and suppression of tussockland and wetland plant communities	Remove isolated infestations; contain larger infestations; seek removal of seed trees on adjoining lands	radiata pine?	broom, gorse, crack willow
Godley-McCauley CA	TW	500	5f	5a?	2.5	12.5 M	Montane tussockland, rockland (braided riverbed), representative of ED (5f); Cat.A species (black stilt) and Cat.B species (wrybill, black-fronted tern) breed in unit? (5a)	Invasion and suppression of tussockland and rockland; threat to landscape character	Remove wildings	larch	crack willow (potential?)

Mt Rosa	WK	500	5d 5f	5a	2.5	12.5 M	Endangered <i>Lepidium sisymbrioides</i> ssp. <i>kawarau</i> present (5d); remnant stand of Hall's totara in Doolans Creek; Cat.B species (kea, inferred) breeds in unit (5a)	Invasion and suppression of <i>Lepidium</i> bluff habitat and remnant totara; threat to landscape character	Remove all wildings; monitor for reinfestation	contorta pine Corsican pine larch	broom sweet brier Hieracium spp. goat rabbit hare possum
Mount Alta Conservation Area	WN	22000	5f	5a	2.5	12.5 M	Extensive area of snow tussockland, representative of ED (5f); Cat.B species breed in unit (kea, karearea) (5a)	Invasion and suppression of tussockland; threat to landscape character	Remove all wilding trees; seek removal of seed trees on adjoining land	contorta pine Ponderosa pine (potential) Douglas fir (potential)	herbaceous weeds
Blue Mountains / Blue Mountain summits	MU	1300	5f	4a	2.5	12.5 M	Extensive shrubland, tussockland, and alpine plant communities, representative of ED (5f); largely unmodified site with most	Invasion and suppression of shrubland, tussockland and alpine plant communities; threat to landscape character	Remove or contain all wildings; monitor for further infestations (part of area controlled 1987-1994; 1998/99)	contorta pine Corsican pine radiata pine Douglas fir	broom, gorse, Darwin's barberry

							typical species (4d) (mohua best represented in this ED - in forest)				
Ruataniwha Conservation Area	TW	1315	5f	4a	2.5	12.5 M	Montane mountain totara forest, shrubland, tussockland, representative of ED (Ben Ohau RAP 8 & RAP 9) (5f); contains species that have declined significantly (spotted skink) (4a)	Invasion and suppression of shrubland and tussockland; threat to landscape character	Remove wildings, monitor, and control new infestations	contorta pine	elder, crack willow, poplar, broom, thar, rabbit
Bendigo Scenic/Historic Reserve	CE	1372	5f	2	2.5	12.5 M	Kanuka shrubland, representative of ED (5f), typical native animal species (2)	Invasion and suppression of kanuka shrubland; threat to landscape character	Remove all wilding spread and all seed trees, continue to monitor	macrocarpa radiata pine	gorse, elder, sweet cherry, crack willow, Lombardy poplar, sweet brier, Clematis tibetana, herbaceous weeds
Bains Conservation	CE	1500	5f	5a	2.5	12.5	Montane snow tussockland,	Invasion and suppression of	Monitor for new	Pinus sp.?	broom, herbaceous

Area						M	high altitude cushionfield and wetlands, representative of ED (5f); Cat.B species breeds in unit? (karearea) (5a)	tussockland and cushionfield; wildings already removed	infestations; seek removal of wilding and seed trees on adjoining land		weeds
Molyneux Faces Special Lease	CE	2339	5f	2	2.5	12.5 M	Semi-arid lowland cushionfield, short tussockland, shrubland, kanuka shrubland; representative of ED (5f)	Invasion and suppression of cushionfield, tussockland and shrubland; threat to landscape character	Remove all wilding spread and all seed trees, continue to monitor	radiata pine?	sweet brier, lupin, herbaceous weeds
Takitimu / Cheviot Faces & Wairaki Ridge & Aparima-Waterloo	TA	3500	5f 5d	5a	2.5	12.5 M	Extensive forest, tussockland, and alpine communities, representative of ED (5f); containing threatened species (Ranunculus ternatifolius) not endemic to ED (5d); Cat.B species breeds in unit (kea)	Invasion and suppression of low-stature plant communities; displacement of species; reduction in habitat quality; threaten to landscape character; threat to Ngai Tahu topuni	Remove wildings; monitor for further infestations; seek to remove plantings and seed trees on adjoining land; monitor possible spread from Douglas fir plantings	contorta pine mountain pine Douglas fir (potential)	gorse, broom, green alder

							(5a)				
Oteake (Hawkdun and Mt Ida Conservation Areas)	CE TW	10000	5f	5a	2.5	12.5 M	Montane snow tussockland, high altitude rockland (scree), representative of ED (5f); Cat.B species breeds in unit (scree skink) (5a)	Invasion and suppression of tussockland and rockfield; threat to landscape character	Monitor for re-infestation; ongoing problem with source from Naseby Forest	Corsican pine contorta pine larch Douglas fir radiata pine	sweet brier, elder, blackberry, herbaceous weeds
Remarkables	WK	4000	5f	5a	2.5	12.5 M	Montane beech forest, shrubland, tussockland, representative of ED (5f); Cat.B species breeds in unit (kea) (5a)	Invasion and suppression of tussockland and shrubland; threat to landscape character	Remove wildings; monitor for further infestations	contorta pine Corsican pine Douglas fir larch radiata pine Scots pine	sycamore, buddleia, elder, old man's beard, hawthorn, broom, sweet brier, gorse, goat, chamois, deer, rabbit
McKerrow Conservation Area	WN	2500	5f	5a	2.5	12.5 M	Large area of fellfield, snow tussockland, beech forest representative of ED (5f); Cat.B species breed in unit	Invasion and suppression of tussockland	Remove regrowth from Highburn Spur infestation; remove sparse wildings from	radiata pine contorta pine	herbaceous weeds, chamois, thar

							(kea and karearea) (5a)		remainder; monitor		
Ohau Conservation Area / Ohau Range & Freehold Creek	TW	5000	5f	5a	2.5	12.5	Extensive tussockland, herbfield and other alpine plant communities, representative of ED (Ahuriri RAP 2 & RAP 3) (5f); Cat.B species breeds in unit (kea-inferred) (5a)	Invasion and suppression of tussockland	Remove wildings, monitor, and control new infestations	contorta pine larch Corsican pine? Ponderosa pine? Douglas fir?	sweet brier, green alder (potential), wild mignonette, cotoneaster, broom, rabbit, domestic stock
Mt Gerald Two Thumb Conservation Area	TW	8000	5f	4d	2.5	12.5	Extensive tussockland and alpine vegetation, representative of ED (5f); large site not represented to same extent elsewhere in ED (4d)	Potential threat from trees on adjoining land	Monitor, and remove new infestations	larch contorta pine	wallaby, thar
Ferny Gair Conservation Area (includes Black Birch)	SM	10000 ?	5f	3	2.5	12.5	Extensive montane forest, shrubland, scrub, and subalpine tussockland, rockland	Invasion and suppression of low-stature plant communities (pines at early stage of	Remove or contain wildings to protect values of unit	radiata pine Douglas fir Pinus spp.	sweet brier, willow, hawthorn

							communities representative of ED (5f); wildlife values?	invasion)			
Askews Hill / Mt McLaren	SO	100	5a	3	2.5	12.5	Shrubland and tussockland on ultramafic rock, nationally uncommon vegetation type (5a)	Suppression of low-stature plant communities; threat to cultural sites	Control wildings; prevent further invasion	radiata pine?	gorse, Spanish heath, pampas
Mt Furneaux Reserves	SO	200	5f	5a	2.5	12.5	Lowland forest remnants, representative of ED (5f); Powelliphanta snail sp? (5a)	Suppression of forest regeneration; possible invasion of forest margins; threat to cultural and historic sites	Remove smaller wilding infestations; reduce or contain larger infestations	radiata pine?	Darwin's barberry, Tradescantia, selaginella, periwinkle, buddleia, ivy, and possibly others
Hokonui Hills / Bare Hill	MU	250	5f	4	2.5	12.5	Extensive red tussockland, representative of ED (5f)	Invasion and suppression of tussockland	Remove or contain infestations that threaten tussockland	radiata pine	broom, gorse, Spanish heath
Mt Dobson Conservation Area	RU	450	5f	3a	2.5	12.5	Extensive alpine tussockland, rockland (scree) and herbfield, representative	Invasion and suppression of mountain totara remnant; threat to landscape	Remove and/or contain spread from plantations; contain spread from	contorta pine larch mountain pine	alder, wallaby

							of ED (including best remnant of mountain totara forest in the ED) (Two Thumb PNA 3) (5f); habitat for kea, karearea (3a)	character	roadside stabilisation plantings (mountain pine)		
East Dome / East Dome SR	MU	5000	5f	4a	2.5	12.5 M-H	Montane mixed beech forest, shrubland, and tussockland, representative of ED (5f)	Invasion of forest margins, suppression of shrubland regeneration	Remove wildings; remove seed source (see Mid Dome)	contorta pine	
Lake Emma and Roundabout	RU	10	5f	4a	2.5	12.5 H	Raupo-Carex reedland-sedgeland, representative of ED (5f); supports species that has declined significantly (southern crested grebe) (4a)	Invasion of wetland margins by wildings from trees at Lake Camp; threat to landscape character	Remove wildings; remove seed trees from Lake Camp Recreation Reserve; seek removal of seed trees from adjoining land	contorta pine larch	crack willow, grey willow, osier, broom, rabbit
Mt Hutt Forest & Pudding Hill Scenic Reserve	RU	50	5f	5a	2.5	12.5 H	Extensive montane beech forest and alpine tussockland and rockland,	Invasion and suppression of low-stature tussockland and rockland (scree) alpine	Remove wilding trees; contain spread at margins of plantation	mountain pine Corsican pine	broom gorse, alder, cherry plum, possum

							representative of ED (5f); Cat.B species breeds in unit (kea-inferred) (5a)	plant communities	forest on lower slopes		
Shag Point Reserve	CO	58	5c	5a	2.5	12.5 H	Snow tussockland at low altitude coastal site, a vegetation type at a geographic limit (5c), Cat.B species breeds in unit (yellow eyed penguin) (5a)	Invasion and suppression of tussockland, flaxland, and shrubland; some trees present, but reserve still relatively unaffected; threat to landscape character; threat to Ngai Tahu topuni (Matakaea)	Remove wildings, control further spread; seek to establish buffer between reserve and pine plantations	Pinus sp.? macrocarpa (potential)	gorse, boxthorn, hawthorn
Lake Pukaki Terminal Moraine Conservation Area	TW	87	5f5c	4a	2.5	12.5 H	Montane shrubland and short tussockland on moraine, representative of ED (5f); containing species at geographic limit (Carmichaelia petrei,	Invasion and suppression of shrubland and tussockland; threat to landscape character	Remove wildings, monitor, and control new infestations; maintain buffer around amenity plantings [seek removal of aggressive	contorta pine Douglas fir Corsican pine larch? Ponderosa pine?	silver birch, broom, rabbit, domestic stock

							Sophora prostrata) (5c); contains species that have declined significantly (4a)		species from amenity plantings?]		
Lake Dispute / Section 11	WK	90	5d	4d	2.5	12.5 H	Montane forest remnant, shrubland, grassland, contains endangered species (Olearia hectorii); unmodified site supporting range of typical species (4d)	Invasion and suppression of shrubland and regenerating forest, especially below Lake Dispute	Remove wildings; monitor for further infestations?	Corsican pine Scots pine	broom, buddleia, elder
Manson	WA	100	5f	3c	2.5	12.5 H	Montane beech forest, sub-alpine and alpine communities, representative of ED (Craigieburn RAP 4) (5f)	Invasion and suppression of low-stature plant communities	Remove wildings, monitor and control new infestations	Douglas fir	broom, hawthorn, barberry?
Dun Mountain – Bryant Range	SO	100	5a	4	2.5	12.5 H	Shrubland and tussockland on ultramafic rock, nationally	Suppression of low-stature plant communities;	Remove wildings; work with Nelson City	radiata pine?	Spanish heath, gorse

							uncommon vegetation type (5a)	threat to cultural and historic sites	Council to prevent re- infestation		
Mt Grey / Mt Grey	WA	150	5f	4a	2.5	12.5 H	Relatively large area of montane beech forest, smaller area of tussockland, representative of ED (5f); contains species that have declined significantly (kakariki) (4a)	Invasion and suppression of tussockland on Mt Grey summit	Remove wildings, monitor and control new infestations; remove seed trees from wider area	Pinus spp.	crack willow, broom, gorse, Spanish heath
Blue Mountains / Tapanui Faces	MU	300	5f	3a	2.5	12.5 H	Extensive montane beech forest, shrubland, and grassland, representative of ED (5f); habitat for karearea (3a) (mohua best represented in this ED - in forest)	Invasion of shrubland and grassland community; suppression of forest regeneration; threat to landscape character	Remove or contain all wildings; monitor for further infestations; seek to remove seed sources from adjoining land	contorta pine Corsican pine radiata pine Douglas fir	elder, Himalayan honeysuckle, Darwin's barberry
Maukaatua Scenic Reserve	CO	300	4a 4d	5a	2.5	12.5 H	Montane forest, shrubland, tussockland, cushionfield, an	Invasion and suppression of low-stature sub-alpine	Attempt to exclude wilding spread from	Ponderosa pine	gorse, broom, Himalayan honeysuckle, hawthorn,

							example of vegetation formerly more widespread (4a); Cat.B species breeds in unit (karearea) (5a)	plant communities, including tussockland and shrubland; wilding conifers pose no significant threat to montane forest	the Maungatua tops		elder, grey willow, sycamore (potential), old man's beard (potential), sweet cherry (potential)
Ben Lomond	WK	473	5f	5a	2.5	12.5 H	Montane beech forest, shrubland, tussockland, representative of ED? (5f); Cat.B species breeds in unit (kea) (5a)	Invasion and suppression of shrubland and tussockland; invasion of beech forest (Douglas fir); threat to landscape character	Contain wilding spread to prevent further infestation of tussockland; seek to remove seed trees on adjoining land	Douglas fir larch	sycamore
Eyres / Mt Bee Ridge	MU	600	5f	5a	2.5	12.5 H	Extensive montane forest, shrubland, and sub-alpine tussockland, rockland, herbfield, representative of ED (5f); Cat.B species	Invasion and suppression of low-stature plant communities; potential threat to large area; threat to landscape character	Remove and/or contain wilding spread (continue chemical control trials); remove seed trees (NZFS	mountain pine Scots pine	gorse, broom

							breed in unit (kea, karearea-inferred) (5a)		plantings) (some control in 1994/95 and 1998/99)		
Kakanui Peak	CO	690	5f	3c	2.5	12.5 H	High altitude snow tussockland and fellfield, representative of ED (5f)?; contains most native animals typical of the habitat (3c)	Invasion and suppression of tussockland; threat to landscape character	Remove all wilding spread; continue to monitor	radiata pine contorta pine	herbaceous weeds
Lake Tekapo Scientific Reserve	TW	1100	5d	5a	2.5	12.5 H	Modified short tussockland, kettlehole and turf vegetation, containing threatened species not endemic to ED (Isolepis basilaris) (5d); Cat.B species breed in unit (Brachaspis robustus) (5a)	Invasion and suppression of short tussockland; threat to grasshopper habitat; threat to landscape character	Remove wildings, monitor, and control new infestations	contorta pine? Corsican pine? Ponderosa pine? larch?	broom, rabbit
Allen Peaks	CE	1400	5f	5a	2.5	12.5 H	Montane snow tussockland, high altitude rockland (scree),	Invasion and suppression of tussockland and rockfield; threat to	Remove seedlings and seed trees; monitor for re-	Corsican pine contorta pine	broom, herbaceous weeds

							representative of ED (5f); Cat.B species breeds in unit (scree skink) (5a)	landscape character	infestations; ongoing problem with source from Naseby Forest	larch Douglas fir radiata pine	
Jollies Pass Scenic Reserve	NC	2000	5f	3a	2.5	12.5 H	Montane beech forest, alpine tussockland, herbfield, rockland, representative of ED (5f); habitat for kea, karearea (3a)	Invasion and suppression of low-stature plant communities; prevention of forest regeneration; threatens landscape character	Remove wildings; monitor and control re-infestation	contorta pine larch Scots pine Corsican pine Douglas fir Ponderosa pine radiata pine?	gorse, broom
Hossack West and Hossack East	NC	2200	5c	3a	2.5	12.5 H	Montane and alpine tussockland and rockland, southern geographic limit for more than one species (Raoulia cinerea and Haastia pulvinaris?)	Invasion and suppression of low-stature plant communities; prevention of forest regeneration; threatens landscape character	Remove wildings; monitor and control re-infestation	contorta pine larch Douglas fir Corsican pine [7 spp.? (Ledgard,	broom, sweet brier, Hieracium pilosella

							(5c); habitat for kea, karearea (3a)			1993)]	
Mt Crichton	WK	2500	5f	5a	2.5	12.5 H	Montane beech forest, shrubland, grassland, representative of ED (5f); Cat.B species breeds in unit (5a)	Invasion and suppression of grassland and shrubland; threat to landscape character	Remove wildings; monitor for further infestations	Corsican pine radiata pine Scots pine	broom, gorse, Montpellier broom
Mid Dome & Mataura Range	MU	4000	5f	4a	2.5	12.5 H	Extensive tussockland, shrubland, representative of ED (5f)	Invasion and suppression of tussockland; threat to landscape character	Remove wildings that threaten tussockland, remove or contain other infestations; remove seed trees (see FRI report: Ledgard, 1999)	contorta pine (most widespread) mountain pine (major) Scots pine (minor) Corsican pine (minor) Douglas fir (minor) radiata pine (minor)	stonecrop, gorse, broom, green alder, sycamore
Lammer-moor (Nardoo)	CO	3157	5f	5a	2.5	12.5	Extensive low to mid-altitude	Invasion and suppression of	Remove all wildings;	radiata pine	broom, stock, goats

Sci. Res., Black Rock Sci. Res., Deep Stream CA, and Stony Stream Scenic Reserve)						H	snow tussockland in good condition with silver beech remnants and shrubland, representative of ED (5f); Cat.B species breeds in unit (karearea) (5a)	tussockland and shrubland; threat to landscape character	continue to monitor		(localised)
Mt Aurum	WK	5000	5f	5a	2.5	12.5 H	Montane beech forest, grassland, representative of ED (5f); Cat.B species breeds in unit (kea) (5a)	Invasion and suppression of tussockland; threat to landscape character	Remove or contain wildings; seek to remove seed trees on adjoining land	Douglas fir larch mountain pine (potential)	cotoneaster, broom, sweet brier, gooseberry, flowering currant, gorse, hawthorn, wild strawberry
Tahakopa Bay	CO	1	5f	3c	2.5 1.5	12.5 * M	Coastal forest, shrubland, sandfield, representative of ED (5f); containing uncommon species (pingao); contains animal species typical of habitat (3c)	Invasion of regenerating dune podocarp forest; prevention of regeneration	Remove single tree; monitor for further infestations	macrocarpa	Darwin's barberry, Khasia berry (Cotoneaster simonsii), Chilean flame creeper, rowan, crack willow, Himalayan honeysuckle, gorse, broom, tree lupin,

											blackberry, apple, marram grass
Hay Scenic Reserve	NC	6	5f	3a	2.5 1.5	12.5 * M	Lowland podocarp forest, representative of ED (5f); habitat for kereru and other forest birds (3a)	Invasion and suppression of forest canopy and understorey by range of weeds; no significant threat to forest from wildings	Remove wildings; monitor and control re-infestation	western red cedar radiata pine larch	old man's beard, willow, Tradescantia, elm, hawthorn, sycamore, poplar, larch, oak, ash, birch, great bindweed, blackberry
Nugget Point Reserve	CO	10	5d 5f	5a	2.5 1.5	12.5 * M	Coastal herbfield, shrubland, and low forest, contains endangered species (<i>Lepidium oleraceum</i>) (5d); coastal cliff vegetation representative of ED (5f); Cat.B species breeds in unit (yellow eyed penguin) (5a)	Potential threat. No evidence of spread from macrocarpa shelterbelt	Monitor for spread from macrocarpa shelterbelt; seek to remove shelterbelt if spread occurs	macrocarpa	broom, gorse, gooseberry, three-cornered garlic (<i>Allium triquetrum</i>), ivy, <i>Prunus</i> sp.
Otanomomo Scientific	CO	10	5d	4d	2.5	12.5	Coastal podocarp forest	Invasion of forest interior	Remove all wildings;	macrocarpa	elder, Chilean flame creeper,

Reserve					1.5	* M	remnant and associated shrubland, containing a threatened species (<i>Olearia hectorii</i>) (5d); unmodified site with species typical of habitat (4d)	and suppression of podocarp regeneration (wilding conifers unlikely to affect forest)	seek to remove any seed trees on adjoining land		sycamore, gooseberry (potential), flowering currant (potential), spindle tree, holly, hawthorn, gorse, broom, crack willow?
Earnsclough Tailings	CE	120	3h	6	2	12 H	Successional native vegetation modified by herbaceous and woody weeds (3h); contains recently described proposed Cat A species (<i>Siga</i> grasshopper) endemic to ED (6)	Modification of grasshopper habitat; damage to historic tailings of international significance; threat to landscape character	Prevent spread from fringes into tailings; remove seedlings and seed trees; monitor for new infestations	radiata pine?	willow, lupin, broom, herbaceous weeds
McKee Scenic Reserve	MO	3	4a	2	3 1.5	12 * H	Coastal titoki forest, best (only?) remaining example in ED (4a)	Invasion of forest margins and suppression of forest regeneration; local	Remove wildings; seek to remove seed sources from adjoining land; unit	radiata pine (minor component)	old man's beard, buddleia, banana passionfruit, wattle, willow, cherry laurel,

								extinction	affected by many other weed species		Cape ivy, Tradescantia, ivy and others
Wye Reserve	SM	2000	4a	3c	2.5	10	One of last large areas of intact forest and shrubland remaining in ED (4a); contains native species typical of habitat (3c)	Invasion and suppression of low stature plant communities, forest openings, and bluffs	Contain or remove scattered wilding trees	contorta pine mountain pine larch Scots pine	
Burke Pass Scenic Reserve	TW	12	4a	?	2.5	10	Montane tussockland, one of few examples in ED (4a)	Invasion and suppression of tussockland; threat to landscape character	Remove wildings, monitor, control new infestations; seek to remove seed trees	Douglas fir Ponderosa pine Corsican pine contorta pine	broom, Russell lupin, rabbit
Spooners Range Scenic Reserve	MO	40	4a	?	2.5	10	Montane mixed forest, one of few examples remaining in ED? (4a)	Invasion of forest margin and openings; possible threat to forest	Remove wildings on forest margin; monitor for Douglas fir establishment in forest	Douglas fir radiata pine contorta pine	
Waihopai	SM	16000 ?	4a	3c	2.5	10	One of last large areas of intact forest and shrubland	Invasion and suppression of low stature plant	Contain or remove scattered wilding trees;	contorta pine Douglas fir	deer possum

							remaining in ED (4a); contains native species typical of habitat (3c)	communities, forest openings, and bluffs	remove trial plots?	mountain pine?	goat?
Hanmer Forest Park	NC	4000	4e	3a	2.5	10	Montane forest, alpine tussockland and rockland, (successional scrub/shrubland) (4e); habitat for kea, karearea (3a)	Invasion and suppression of low-stature plant communities; prevention of forest regeneration; threatens landscape character	Remove wildings from upper montane and alpine areas; monitor and control re-infestation	Douglas fir larch Corsican pine Ponderosa pine	broom, blackberry, cotoneaster, rowan
Pt Lochiel Run (Organ Range, Boundary Stream)	NC	500	4b	4a	2.5	10	Montane beech forest, snow tussockland, with southern rata in gorge, a regionally uncommon vegetation type (4b); habitat for kea, karearea and other species (3a)	Invasion of tussockland and other low-stature communities (kea and karearea habitat)	Remove wildings; monitor and control re-infestation	radiata pine maritime pine Scots pine	broom, gorse
Mt Harper	RU	10	4e	3a	2.5	10	Extensive montane to alpine tussockland, and rockland	Invasion and suppression of low-stature tussockland and rockland	Remove wilding trees; contain or remove infestation at	Pinus nigra Douglas fir radiata pine	broom, poplar, rowan, lupin, gorse

							(scree), good example of secondary succession (4e); habitat for karearea (3a) (Note high values of adjoining riverbed: vulnerable <i>Luzula celata</i> and bird habitat)	(scree) plant communities; threat to landscape character; potential threat to adjoining high value land	old skating rink		
Mou Waho Island Scenic Reserve	WN	120	4a	4c	2.5	10	Montane hardwood forest, shrubland, rockland (bluff) vegetation, example of vegetation of ED (4a); contains large population of uncommon weta (<i>Hemidiena maori</i>) (4c)	Invasion of bluff vegetation and habitat of weta (weeds already affect a large part of the island but have not yet invaded the bluff community); threat to landscape character	Remove all wildings near the bluffs; remove or contain wildings on other parts of the reserve; seek to remove seed trees	radiata pine Douglas fir macrocarpa	poplar spp., gorse, crack willow, plum, cherry (<i>Prunus</i> sp)
Lower Dingle	WN	200	4d	4c	2.5	10	Regenerating kanuka shrubland, isolated stands of mountain	Invasion and suppression of shrubland	Remove all wildings; monitor for reinfestation	radiata pine Douglas fir contorta pine	herbaceous weeds

							beech; habitat for kea and karearea (4c)				
Montgomery Scenic Reserve	NC	16	4d	3a	2.5	10	Montane successional podocarp forest, with planted natives (exotic to area) (4d); habitat for kereru and other forest birds (3a)	Invasion and suppression of forest regeneration	Remove wildings; monitor and control re-infestation	Lawson's cypress western red cedar radiata pine	silver birch, Darwin's barberry, Cotoneaster microphyllus, Spanish heath
Kahurangi National Park / Hope Range	SA	800	4b	3	2.5	10	Intact subalpine plant communities, surrounded by forest and shrubland (4b)	Invasion and suppression of low-stature subalpine plant communities	Prevent wilding spread onto open tops	radiata pine Douglas fir	
Otaio Scenic Reserve	RU	12	4d	4a	2.5	10	Regenerating hardwood forest with remnant podocarps, example of succession (4a)	Invasion and suppression of regenerating forest	Remove wildings; monitor and remove seedlings; remove seed trees	radiata pine Douglas fir	spindle tree, cotoneaster, cherry, honeysuckle?, old man's beard, wallaby
Kelceys Bush	RU	100	4a	3a	2.5	10	Montane mixed hardwood forest remnant, one of few remnants in area (4a); contains	Invasion of forest by seedlings from nearby plantations	Monitor for establishment of wildings	Douglas fir bishop pine	hawthorn, willows, burdock?

							declining species (Teucrium parvifolium); habitat for kereru (3a)				
Lake Lyndon / Lake Lyndon outlet	WA	100	4e	3a	2.5	10	Montane tussockland, shrubland, forest remnants, good example of secondary succession (4e)	Invasion and suppression of tussockland and shrubland; threat to landscape character	Remove wildings; seek to remove seek trees from near Pathfinder Lodge	radiata pine Ponderosa pine?	sweet brier, Hieracium pilosella
Woodbank Run	NC	500	4e	3a	2.5	10	Montane beech forest remnants, successional fire-induced scrub and tussockland (4e)	Invasion of low-stature plant communities, prevention of forest succession	Remove wildings; monitor and control re-infestation	Scots pine	broom
Two Thumb Conservation Area / Richmond Range	TW	10	4a	?	2.5	10	Tussockland and rockfield (scree) typical of ED (4a); wildlife values not known	Invasion and suppression of tussockland; threat to landscape character	Remove wildings, monitor, and control new infestations	Corsican pine	broom, crack willow
Virgin Terrace	BU	12	4e	4a	2.5	10	Extensive successional scrub (4e); habitat for fernbird and	Invasion and suppression of low-stature plant communities;	Remove established wildings; monitor regularly for	radiata pine	gorse

							brown mudfish (4a)	threat to landscape character	new infestations		
Four Mile	BU	20	4e	4a	2.5	10	Extensive successional scrub (4e); habitat for fernbird and brown mudfish (4a)	Invasion and suppression of low-stature plant communities	Remove established wildings; monitor regularly for new infestations	radiata pine	gorse
Nine Mile – Okari	BU	30	3b	4a	2.5	10	Coastal dune, spit, estuary community, modified by grazing (3b); habitat for skinks (4a)	Invasion of low-stature coastal and estuarine plant communities	Remove established wildings; monitor regularly for new infestations	radiata pine	gorse, marram grass, blackberry
White Horse Creek	BU	40	4b	4a	2.5	10	Extensive manuka shrubland (4b); habitat for fernbird (4a)	Invasion and suppression of shrubland; threat to landscape character	Remove wildings; negotiate removal of seed trees on private land; monitor	radiata pine	gorse
Paroa Wildlife Management Reserve	GR	40	3b	4a	2.5	10	Coastal dune (sand spit) and scrub vegetation (3b); habitat for skinks (4a)	Invasion of dunes and coastal scrub	Remove all wildings; remove seed trees	radiata pine	gorse, blackberry, marram grass
Camerons	GR	2	3b	4a	2.5	10	Coastal dune (sand spit) and	Invasion of dunes and	Remove wildings from	radiata pine	gorse, blackberry,

							scrub vegetation (3b); habitat for skinks (4a)	coastal scrub	Ted McGrath Memorial Walk		marram grass
Carews Peak Scenic Reserve	NC	10	4a	3a	2.5	10	Lowland-montane successional forest, with uncommon fern species (4a); habitat for kereru and other forest birds (3a)	Invasion of regenerating forest communities	Remove wildings, monitor and control re-infestation	radiata pine	
Devils Gap Scenic Reserve	NC	10	4b	3a	2.5	10	Successional forest, tussockland, rockland, with uncommon kahikatea regeneration, a regionally uncommon vegetation type (4b); habitat for kereru and other forest birds (3a)	Invasion and suppression of low-stature plant communities; prevention of forest regeneration; threatens landscape character	Remove wildings, monitor and control re-infestation	radiata pine	gorse
Mt Fitzgerald Scenic Reserve	NC	5	4d	4a	2.5	10	Montane podocarp forest, rockland and tussockland,	Invasion of open bluff and tussockland; possible invasion of	Remove wildings; monitor and control re-infestation	radiata pine	Chilean flame creeper

							good example of succession (4d); habitat for jewelled gecko (4a)	forest			
Mt Herbert Scenic Reserve	NC	25	4d	3a	2.5	10	Montane podocarp forest, sub-alpine tussockland, good example of succession in ED (4d); habitat for kereru, karearea and other species (3a)	Invasion of tussockland and forest openings	Remove wildings; monitor and control re-infestation	radiata pine	gorse
Sign of the Packhorse Scenic Reserve	NC	30	4a	3a	2.5	10	Lowland successional hardwood forest, rockland (bluff), short tussockland, one of few examples in ED (4a)	Invasion and suppression of low stature plant communities	Remove wildings; monitor and control re-infestation	radiata pine	gorse
Lords Bush / Lords Bush Interior	WA	12	5d	2	2	10	Montane podocarp-beech forest remnant, typical of ED, containing a	Established trees threaten forest habitat, already affected by weeds	Remove wildings, monitor and control new infestations; investigate	radiata pine	gorse, broom, hawthorn, cotoneaster, crack willow, elder, blackberry

							threatened species not endemic to ED (Coprosma pedicellata) [formerly C. "violacea"] (5d); small area of species habitat (2)		removal of large trees from within reserve		
North Waihao Bush	RU	50	4d	4a	2.5	10	Montane regenerating riparian hardwood forest and scrub, example of succession (4d); habitat for Cat.B species (blue duck) (4a)	Invasion and suppression of kanuka scrub	Remove wilding trees; contain spread from nearby plantations	radiata pine	wallaby, goat
Pareora Scenic Reserve	RU	2	3b 3e	4a	2.5	10	Modified forest on limestone (3b, 3e); habitat for Cat.B species (long-tailed bat) (4a)	Invasion of upper part of reserve	Remove wildings; monitor and remove seedlings; remove seed trees	radiata pine	gooseberry, barberry, broom
Silverpeaks (Silverpeaks Scenic Reserve and Chalkies Scenic	CO	3850	4d	4a	2.5	10	Extensive area of snow tussockland, broadleaf forest, silver beech	Invasion and suppression of tussockland and shrubland; threat to	Poison remaining large seed trees and remove all wilding	radiata pine	pigs, goats (in parts), Spanish heath

Reserve)							remnants, kanuka and Ozothamnus/inaka shrubland (4d); good range of birds including falcon and fernbird (4a)	landscape character (almost surrounded by exotic pine forest)	spread; monitor		
Lochar Burn Scenic Reserve and Conservation Area	WN	40	4a	4d	2.5	10	Montane kanuka treeland, regenerating mountain totara forest, shrubland, example of vegetation once more widespread in ED (4a); unmodified habitat containing range of native species (4d)	Invasion of treeland, and suppression of regenerating forest and shrubland (only two wilding trees present)	Remove wilding trees; monitor for further infestations	radiata pine	sweet brier
Hook Bush	RU	250	4a	3a	2.5	10	Large area of regenerating hardwood forest with podocarp remnants, one of few remnants in	Invasion and suppression of regenerating podocarp forest	Remove wildings; monitor and remove seedlings; remove seed trees	Pinus spp.	sycamore, gorse, broom, wallaby

							area (4a); contains declining species (<i>Teucrium parvifolium</i>); habitat for kereru (3a)				
Hunters Hills Conservation Area	RU	250	4e	3a	2.5	10	Large area of induced montane tussockland and scrub, good example of succession (4e); habitat for karearea (3a)	Invasion and suppression of low-stature plant communities, especially tussockland	Continue removal of wildings; monitor for further spread	Pinus spp.	wallaby
Pioneer Park	RU	100	3b	5a	2	10	Modified lowland podocarp-hardwood forest (3b); Cat.B species breeds in unit (long-tailed bat) (5a)	Invasion and suppression of regenerating forest	Remove wildings; monitor and remove seedlings; remove seed trees	Pinus spp.	sycamore, ash, poplar, cherry, gorse, broom, possum
Scotsburn Bush	RU	20	4d	3a	2.5	10	Montane mixed hardwood forest with southern rata, regenerating beech forest, example of	Invasion and suppression of regenerating forest	Remove wildings; monitor and remove seedlings; seek removal of seed trees	Pinus spp.	cherry

							succession (4a); habitat for kereru (3a)		on adjoining land or containment of spread		
Lower Timaru Creek	WN	500	4d	4c	2.5	10	Regenerating kanuka shrubland, isolated stands of mountain beech; habitat for kea and karearea (4c)	Invasion and suppression of shrubland	Remove wildings; monitor and remove further infestations; seek to remove seeding trees from adjoining land.	radiata pine Douglas fir contorta pine	herbaceous weeds
Abel Tasman National Park / southern coastline	MO	2000	4b	4	2.5	10	Coastal forest remnants and estuarine communities with undisturbed vegetation sequences, regionally uncommon vegetation type forming part of larger area (4a)	Invasion of regenerating forest and estuary margin; threat to cultural and historic sites	Remove wildings from estuary margins; contain or remove wildings from other sites; remove seed sources?	radiata pine?	ice plant, Tradescantia, periwinkle, montbretia, willow, privet, broom, blackberry, buddleia, cotoneaster
Tarakohe coastal	GB	11	5a	5a	2	10	Coastal forested karst, a nationally uncommon	Invasion and suppression of coastal plant communities;	Remove wildings; seek to remove seed	radiata pine? (minor component)	climbing asparagus, Italian jasmine,

							vegetation type (5a); Cat.B species (Nelson cave spider Spelungula cavernicola) breeds in unit (5a)	unit already affected by many weed species; threat to cultural sites	sources on adjoining land?		buddleia, cotoneaster, climbing dock, gorse, broom, old man's beard, Tradescantia, periwinkle, banana passionfruit, Mexican daisy, pellitory-of-the-wall
Moss Bush	MO	40	4a	3	2.5	10	Alluvial forest, one of best remaining examples in ED? (4a)	Invasion of wetland areas; suppression of regeneration	Remove wildings in conjunction with restoration work; many other weed species present	radiata pine? (minor component)	willow, blackberry, lotus Tradescantia, old man's beard, walnut, tutsan, ash, plum, wattle, montbretia, hop
Awakiki Scenic Reserve	CO	43	4d	3a	2.5	10	Regenerating lowland totara forest, best example of successional community in SE Otago (4d); habitat for kereru (3a)	Invasion and suppression of regenerating forest	Remove seedlings, remove seed trees, monitor for further infestations	macrocarpa	Chilean flame creeper, Darwin's barberry, sycamore, blue gum, hawthorn, elder, gooseberry,

											gorse, broom
Maclennan Scenic Reserve	CO	10	4d	3a	2.5	10	Regenerating lowland beech-podocarp forest, shrubland, example of succession (4d); habitat for range of forest birds, including kereru (3a)	Invasion and suppression of regenerating forest on reserve boundary	Remove wildings; seek to remove seed trees on adjoining land?	macrocarpa	Darwin's barberry, sycamore, Japanese honeysuckle, Chilean flame creeper, cotoneaster, gorse, broom, rowan, holly, Escallonia sp.
Lake Sumner Conservation Area	NC	15	4e	3a	2.5	10	Small montane forest remnants, seral scrub and grassland, lakeshore flax sedgeland, a good example of secondary succession (4e); contains native animal species (wetland spp at Loch Katrine) (3a)	Invasion and suppression of low-stature plant communities; prevention of forest regeneration; threatens landscape character	Remove wildings; monitor and control re-infestation	radiata pine (potential) Douglas fir (potential)	hawthorn, gorse, willow
Loch Katrine Recreation Reserve	NC	11	4a	3a	2.5	10	Montane beech forest, shrubland, pasture on	Potential invasion and suppression of shrubland;	Monitor; seek to remove seed trees (especially	Douglas fir (potential) mountain	

							lakeshore, remnant of riparian forest and shrubland (4a); wildlife values?	possible invasion of forest	aggressive species e.g. Douglas fir)	pine (potential)	
Five Mile, Seven Mile, and Twelve Mile Reserves	WK	100	3h	2	3	9	Montane shrubland and regenerating forest, one of few examples in ED (3h)	Invasion and suppression of shrubland and regenerating forest, especially at edges	Remove wildings (mostly at edges of reserve); remove seed trees	Corsican pine Scots pine	willow sp., broom, Russell lupin, gooseberry, flowering currant, buddleia
Mt Sinclair Scenic Reserve	NC	25	4d	6	1.5	9	Montane podocarp forest, sub-alpine tussockland, good example of succession ED (4d); contains animal species best represented in this ED (Hemideina ricta) (6)	Invasion of tussockland and forest openings; no significant threat to wildlife values	Remove wildings; monitor and control re-infestation	radiata pine	gorse, broom
Waikoropupu Spring SR	GB	10	6a	5a	1.5	9	Freshwater spring with threatened endemic moss (6a); threatened	Invasion of shrubland and suppression of native forest regeneration; possible long-	Contain or remove wildings	radiata pine?	

							species breeds in unit (caddis fly <i>Rakiura vernale</i>) (5a)	term effect on springs (shading)			
Goodwood Scenic Reserve	CO	25	4a	2	2	8	Regenerating coastal podocarp forest, one of best examples in ED (4a); containing uncommon plant species; good numbers of typical animal species (2)	Reserve already substantially affected by weeds; further invasion and suppression of regenerating forest	Remove wilding infestations; remove seed trees	radiata pine Douglas fir	hawthorn, banana passionfruit, elder, Chilean flame creeper, periwinkle, German ivy
Trotters Gorge Reserve	CO	400	4d	3a	2	8	Kanuka forest, regenerating scrub, shrubland, tussockland, flaxland, example of secondary succession (4d); habitat for kereru (3a)	Reserve already substantially affected by weeds; further invasion of low-stature plant communities and suppression of forest regeneration	Remove or contain wilding spread, depending on infestation site	radiata pine Douglas fir	gorse, Himalayan honey suckle, cotoneaster, hawthorn, tutsan, Eucalyptus sp.
Waima-ngaroa – Granity	BU	5	3b	4a	2	8	Coastal, montane, and coal plateau	Invasion of disturbed roadside plant	Remove established wildings;	radiata pine	gorse, ginger, broom, <i>Elaeagnus</i> sp.

(including Millerton)							remnants (3b); habitat for fernbird (4a)	communities; threat to low-stature coal plateau plant communities	monitor regularly for new infestations		
View Hill / View Hill East	WA	10	4a	2	2	8	Small remnant of beech-podocarp forest, one of the few remaining examples in the ED (4a)	Invasion of forest openings; area already affected by weeds	Remove wildings, monitor and control new infestations; remove seed trees from wider area	radiata pine	gorse, broom, elder, Himalayan honeysuckle, crack willow
Caroline-Glenure	MU	25	4a	3	2	8	Montane forest remnant, an example of vegetation type once more widespread in ED (4a)	Invasion of forest openings, suppression of forest regeneration	Remove or contain infestations	Pinus sp.	barberry, elder, gum trees (Eucalyptus sp.)
Thomas Bush	WA	50	3c	3c	2.5	7.5	Montane beech forest remnant, isolated by induced grassland (3c); habitat typical of ED and well represented elsewhere (3c)	Possible invasion of the forest margin and openings	Remove wildings, monitor and control new infestations; remove seed trees from wider area	larch contorta pine Douglas fir	broom, gorse, crack willow
Cockayne	WA	150	3a	5a	1.5	7.5	Montane beech forest, sub-alpine and alpine	Invasion and suppression of low-stature plant	Remove wildings, monitor and control new	contorta pine	broom, alder

							communities, typical of ED (3c); Cat.B species breeds in the unit (kea) (5a)	communities; threat to landscape character	infestations; remove seed trees (trial plots)	Pinus sp. larch	
Lake Camp Recreation Reserve	RU	49	2a	3c	2.5	7.5	Modified montane short tussockland (2a); supports species typical of habitat (3c)	Invasion and suppression of short tussockland and lake margin (also threatens wetlands at Lake Emma and Lake Roundabout) ; threat to landscape character	Contain wilding spread to maintain buffer to prevent infestation of nearby sites; seek removal of seed trees (priority for control determined by score of Lake Emma and Roundabout unit)	contorta pine larch	rowan, crack willow, golden willow
Ohau Conservation Area / Temple	TW	100	5d	5a	1.5	7.5	Montane forest and shrubland, containing a threatened species (Pittosporum patulum) (5d); Cat.B species breeds in the unit (kea-inferred) (5a)	Potential threat from wilding pines	Monitor	contorta pine larch (potential)	

Hikuwai Conservation Area	WN	60	3e	2	2.5	7.5	Kanuka shrubland and cushionfield, a modified but relatively uncommon vegetation type (3e); contains good number of species typical of habitat (2)	Invasion and suppression of kanuka shrubland	Remove wildings; monitor and remove further infestations; seek to remove seed trees on adjoining land	radiata pine Ponderosa pine Douglas fir	crack willow, gum (Eucalyptus sp.), broom, gorse, Lombardy poplar, sweet brier, hawthorn, elder, flowering currant, Khasia berry
Boundary Creek	WN	50	3h	2	2.5	7.5	Regenerating kanuka and hardwood forest (3h); good numbers of typical native animals (2)	Invasion and suppression of successional vegetation	Periodic removal of wildings to maintain clear from here to Makarora	radiata pine Douglas fir	
Dublin/Outlet Reserve	WN	40	3e	2	2.5	7.5	Kanuka shrubland, grassland, cushionfield; a modified but relatively uncommon vegetation type (3e)	Invasion and suppression of kanuka shrubland	Maintain containment line and prevent establishment of new wildings	radiata pine	sweet brier willow poplar
Butterfield Conservation Area	WN	200	3e	2	2.5	7.5	Kanuka shrubland, grassland, cushionfield, a	Invasion and suppression of kanuka shrubland	Remove wildings; monitor and remove	radiata pine Ponderosa pine	crack willow, Lombardy poplar, broom, elder,

							modified but relatively uncommon vegetation type (3e); wetland habitat used by mallard duck (2)		further infestations; seek to remove seed trees, including Ponderosa pine shelterbelt	(potential)	hawthorn, alder, sweet brier, Populus sp., flowering currant
Raules Gully Scenic Reserve	RU	55	2a	3a	2.5	7.5	Small area of modified forest, scrub and grassland (2a); kereru (3a)	Invasion and suppression of regenerating forest	Remove wildings; monitor and remove seedlings; remove seed trees	radiata pine Douglas fir	cherry, sycamore, willow, cotoneaster, gorse, broom
Glendhu	CO	840	3a	2	2.5	7.5	Good quality example of snow tussockland and shrubland surrounded by exotic forest (3a); typical animal species of habitat (2)	Invasion and suppression of tussockland and shrubland	Remove all wilding spread; continue to monitor	radiata pine Douglas-fir	deer, pig
Whangamoia CA	MO	15	3a	3a	2.5	7.5	Montane mixed forest, typical of ED (3a)	Invasion of forest margin and openings; possible threat to forest	Remove wildings on forest margin; monitor for Douglas fir establishment in forest	Douglas fir? Pinus spp.	old man's beard

Snowdon and O'Malleys	NC	200	5f	3a	1.5	7.5	Podocarp forest (including rimu), representative of ED (4a)	No significant threat to forest community?	Remove wildings; monitor and control re-infestation	Corsican pine	broom?
Buller Gorge Scenic Reserve	BU	2	5f	5a	1.5	7.5	Extensive lowland forest, representative of ED (5f); Cat.B species breeds in unit (kereru) (5a)	Invasion of disturbed roadside areas (slips), unlikely to establish in forest	Remove wilding trees	radiata pine	gorse, Himalayan honey-suckle, old man's beard
Slab Hut Ecological Area	GR	2	4b	5a	1.5	7.5	Lowland forest, part of more extensive forested area (4b); Cat.B species breed in unit (kereru, kaka) (5a)	Invasion of forest edge at picnic area; wildings no significant threat to forest	Remove wilding seedlings; remove seed trees; monitor for further infestations	radiata pine	gorse, Himalayan honeysuckle
Armstrong Reserve	NC	10	5f	3a	1.5	7.5	Montane beech forest, representative of ED (5f); habitat for kereru and other forest birds (3a)	No significant threat to intact forest; threat to forest margin and tussockland	Remove wildings; monitor and control re-infestation	radiata pine	gorse
Ellangowan Scenic Reserve	NC	10	3c	2	2.5	7.5	Successional forest and scrub, modified and isolated (3c)	Invasion and suppression of low-stature plant communities;	Remove wildings, monitor and control re-infestation	radiata pine	gorse, broom

								prevention of forest regeneration; threatens landscape character			
Te Oka Scenic Reserve	NC	11	3b	3a	2.5	7.5	Hardwood successional forest and kanuka forest, example of vegetation type in ED (3b); habitat for kereru and other forest birds (3a)	Invasion of regenerating forest communities, altering of forest succession; displacement of bird populations	Remove wildings; monitor and control re-infestation	radiata pine	Spanish heath, sycamore
Alford Scenic Reserve	RU	30	5f	3a	1.5	7.5	Lowland beech podocarp forest remnant, with regenerating forest, representative of ED (Mt Hutt RAP 6) (5f)	Suppression of forest regeneration at margins of site	Remove wildings; monitor and remove seedlings; remove seed trees	radiata pine	holly, possum?
Culverden Scientific Reserve	NC	2	3b	2	2.5	7.5	Kanuka woodland and grassland, modified, one of few remaining examples in ED (3b)	Invasion and suppression of kanuka forest and grassland; threatens landscape character	Remove wildings, monitor and control re-infestation	Corsican pine?	hawthorn, gorse, broom

Maud Island	SO	200	5b	5a	1.5	7.5	Coastal forest remnant, largely unmodified by browsing mammals (5b); Cat.A species breeds in unit (takahe) (5a)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
North Dunstan Conservation Area	CE	100	3g	1	2.5	7.5	Short tussockland, modified by herbaceous weeds (3g); potential value for fauna (1)	Invasion and suppression of tussockland; threat to landscape character	Remove all wilding spread and continue to monitor	radiata pine?	sweet brier, herbaceous weeds
Mt Dewar	WK	600	3a	3c	2.5	7.5	Snow tussockland and subalpine shrubland (3a); typical animal species of habitat (3c)	Invasion and suppression of tussockland and shrubland; threat to landscape character	Remove wildings; monitor; and remove further infestations	Douglas fir larch Scots pine Corsican pine	broom, gorse, sweet brier, hawthorn, herbaceous weeds, goat
Mt Thomas / Mt Thomas	WA	250	5f	3a	1.5	7.5	Large area of montane beech forest, representative of ED (5f); habitat for kea, karearea (3a)	Invasion of forest openings; area already affected by weeds	Remove wildings, monitor and control new infestations; remove seed trees from	Pinus spp.	Himalayan honeysuckle, Spanish heath, gorse, broom

									wider area		
Closeburn	WK	4	3h	2	2.5	7.5	Deeply incised creek with riparian shrubland vegetation (3h); typical birds of habitat (2)	Invasion and suppression of shrubland	Remove large seed trees; monitor for wildings	Pinus spp.	broom
Lake Rere	WK	100	3a	3c	2.5	7.5	Regenerating shrubland on lake faces, beech forest and part of Lake Rere (3a); good range of forest and wetland birds (3c)	Invasion and suppression of shrubland; threat to landscape character	Remove wildings; monitor; remove further infestations	Pinus spp.	herbaceous weeds
Ribbonwood	WA	320	3a	3a	2.5	7.5	Alpine and sub-alpine grassland, rockland, and herbfield, typical of ED (3a); habitat for kea, karearea (3a)	Invasion and suppression of low-stature plant communities	Remove wildings; monitor and control re-infestation; remove seed trees (trial plot)	Pinus sp.	
Mt Starveall	MO	100	3a	3c	2.5	7.5	Montane and subalpine grassland and shrubland, typical of ED (3a)	Invasion of subalpine vegetation and long term threat to Richmond	Remove wildings	Pinus sp.	

								Range			
Moke Lake	WK	44	5d	4b	1.5	7.5	Montane beech forest, shrubland, and wetland, contains endangered plant (Triglochin palustre); habitat for koaro and southern crested grebe (4b)	Invasion and suppression of shrubland and wetland margin; no significant threat to endangered species	Remove wildings; monitor for further infestations	Pinus sp.	sweet brier, gooseberry, flowering currant
Broad Stream	WA	100	3a	3c	2.5	7.5	Montane beech forest, typical of ED (3a); large and unmodified forest bird habitat (3c)	Gradual establishment of Douglas fir within the beech forest	Remove wildings, monitor and control new infestations	Douglas fir	broom, gorse, coltsfoot (in streams)
Huxley & Hopkins Conservation Areas	TW	0	5f 5d	5a	1.5	7.5	Extensive montane forest and alpine plant communities, representative of ED (5f), containing threatened species (5d); Cat.B species breeds in unit (kea-inferred)	Potential threat from wilding conifers; threat to landscape character	Monitor, and remove new infestations	wilding pines (potential)	ragwort, thistle

							(5a)				
Turk Ridge	SM	200	3c	?	2.5	7.5	Montane scrub, tussockland, herbfield, rockland, part of modified sequence (3c)	Invasion and suppression of low stature plant communities	Monitor spread from trial plots; remove wildings	contorta pine?	
Coronet Peak	WK	500	3a	2	2	6	Sub-alpine tussockland, represented elsewhere in ED (3a)	Invasion and suppression of tussockland; threat to landscape character	Monitor for and remove seedlings (seed trees have been removed); seek to remove seed trees on adjoining land	Douglas fir larch contorta pine	sweet brier, buddleia, broom, gorse
Ohau Terminal Moraine Scenic Reserve	TW	80	3b	?	2	6	Montane short tussockland, shrubland, kettlehole tarns, modified (3b); wildlife values not known	Invasion and suppression of modified grassland	Remove wildings, monitor, and control new infestations	contorta pine Pinus nigra	Russell lupin
Victoria Forest Park / Blacks Point	GR	20	3c	3a	2	6	Mixed beech forest, disturbed by mining (3c); supports tui, bellbird, kereru (3a)	Invasion of regenerating forest; suppression of regeneration	Remove wildings; remove seed trees	radiata pine	Spanish heath, rowan, hawthorn, holly, barberry, and others

Lady Lake Scenic Reserve	GR	2	4a	4a	1.5	6	Lake shore (riparian) forest, one of last examples in ED (4a); habitat for forest birds including kereru and tui (4a)	Invasion of low stature vegetation; no significant threat to forest	Remove wildings from roadside	radiata pine	gorse
Little Akaloa Scenic Reserve	NC	1	3h	2	2	6	Coastal kanuka forest and regenerating broadleaved forest, with potential (3h)	Invasion and suppression of forest regeneration	Remove wildings; monitor and control re-infestation	radiata pine	sycamore, broom
Hae Hae Te Moana Scenic Reserve	RU	110	2a	3a	2	6	Lowland regenerating hardwood forest and scrub, better represented elsewhere (2a); habitat for kereru (3a)	Further invasion of reserve and suppression of forest regeneration	Remove or contain wildings; monitor and remove seedlings; remove seed trees (planted)	radiata pine	laurel, wild cherry, sycamore, ash, crack willow, old man's beard, gorse, broom
Mt Bruce	WA	400	3c	2	2	6	Montane beech forest, plantation Douglas fir forest, and sub-alpine grassland, culturally interrupted sequence (3c)	Continued invasion of beech forest margin and open grassland	Remove wildings; monitor and control new infestations; not sustainable unless seed trees removed	Douglas fir Corsican pine (potential)	broom, gorse

Boundary Creek Scenic Reserve	NC	2	4a	3a	1.5	6	Lowland beech and kanuka forest, one of few remaining examples in ED (4a); habitat for kereru and other forest birds (3a)	No significant threat to forest communities at present; threatens landscape character	Remove wildings; monitor and control re-infestation	radiata pine	nassella tussock, gorse, broom, blackberry, sweet brier, old man's beard (potential threat)
Glenorchy – Queenstown Road Reserve	WK	200	3h	2	2	6	Montane lakeshore regenerating forest, one of few examples in ED (3h)	Invasion and suppression of shrubland and regenerating forest	Remove wildings; monitor for further infestations?	Pinus spp.	broom, gorse, Spanish heath
Lake Kirkpatrick	WK	10	4f	4a	1.5	6	Montane wetland, nationally uncommon but degraded community (4f); habitat for koaro (4a)	Invasion and suppression of wetland margin vegetation	Seek to remove seed trees from adjoining land	Pinus spp.	herbaceous weeds
Branch and Leatham	SM	15000 ?	3a	3c	2	6	Extensive good quality montane forest and subalpine communities represented elsewhere (3a); contains most native species typical of	Continued invasion and suppression of low stature plant communities, forest openings, and bluffs	Contain wilding spread to reduce risk to Molesworth	mountain pine Scots pine Douglas fir contorta pine (two)	deer possum

							habitat (3c)			provenances) Corsican pine Picea sp.	
Lake Chalice – Mt Patriarch	SM	900	3a	3c	2	6	Montane rockland, herbfield typical of ED (3a)	Continued invasion and suppression of low stature plant communities, forest openings, and bluffs	Contain spread from early soil conservation plantings	contorta pine mountain pine Ponderosa pine larch Scots pine Picea sp	
Pinnacles / Corner Creek North & Corner Creek South	WA	200	2a	2	2.5	5	Induced grassland and shrubland communities with good restoration potential (2a)	Invasion and suppression of low-stature plant communities; threat to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	Scots pine contorta pine Corsican pine Pinus uncinata	broom, gorse
Mt Iron Reserve	WN	60	2a	2	2.5	5	Manuka/kanuka shrubland with dry cliff	Invasion and suppression of shrubland	Periodic removal of wildings	radiata pine	sweet brier

							vegetation (2a); good numbers of typical native animals (2); threat to landscape character				elder broom rabbit
Onawe Historic Reserve	NC	10	2a	?	2.5	5	Pasture and successional kanuka forest (2a)	Invasion and suppression of low-stature plant communities	Remove wildings; monitor and control re-infestation	radiata pine macrocarpa	horehound, elderberry, broom, gorse
Horahora Kakahu Historic Reserve	SO	1	2a	1	2.5	5	Modified coastal vegetation typical of ED (2a)	Invasion and suppression of vegetation on island; seed trees have considerable historic value (planted to commemorate signing of Treaty of Waitangi); contains important historic and archaeological sites	Consider containment of wilding spread, in consultation with iwi	macrocarpa	
Helicopter Hill	WA	100	2a	1	2	4	Montane beech forest remnants, open grassland,	Continued suppression of low stature plant	Contain tree spread within its present extent; seek	contorta pine Douglas fir	crack willow, broom, gorse

							substantially modified by tree planting and wilding spread (2a)	communities; some invasion of open beech forest; threat to landscape character	eventual removal of seed trees from the area	larch	
Lake Ida	WA	20	2b	4c	1.5	4	Small wetland community, partly modified, represented elsewhere in ED (2b); provides habitat for an uncommon species (southern crested grebe) (4c)	Weed species pose no significant threat to, and possibly enhance, grebe habitat; threaten to landscape character	Remove wildings, monitor and control new infestations; remove seed trees from wider area	Corsican pine Douglas fir contorta pine	crack willow
Hunter Native Forest Scenic Reserve	NC	8	2	2	2	4	Regenerating coastal forest with planted natives (exotic to area)	Suppression of forest regeneration	Remove wildings; monitor and control re-infestation	radiata pine	spindle tree, broom, elm, cherry plum
Kaiteriteri CA	MO	100	2a	2	2	4	Mixed native and exotic forest (2a)	Suppression of native forest regeneration	Contain wilding spread	radiata pine?	
Craigieburn Cutting	WA	100	2a	1	2	4	Successional scrub and regenerating forest, modified by weeds (2a)	Suppression of scrub and forest regeneration; weeds already	Remove or contain wilding spread, to permit forest	Douglas fir larch	broom, gorse, hawthorn, blackberry, Russell lupin

								well established	regeneration	Pinus sp?	
Tennyson	SO	100	2a	2	1.5	3	Regenerating fernland and shrubland (1c)	Possible invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine?	Himalayan honey-suckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Matakitaki – West Bank	SA	200	1c	1	2.5	2.5	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Remove wildings	radiata pine	
Buller - Maruia	SA	100	1c	1	2.5	2.5	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Remove wildings	radiata pine?	
North Queen Charlotte	SO	2200	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of	Remove wildings?	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard,

								native forest regeneration			German ivy, banana passionfruit, Tradescantia, and others
Picton surrounds	SO	2000	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Tawaroa	SO	100	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Waimaru	SO	400	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard,

								native forest regeneration			German ivy, banana passionfruit, Tradescantia, and others
Titirangi	SO	200	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Kenepuru Head	SO	200	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Yncyca Bay?	SO	100	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana

											passionfruit, Tradescantia, and others
Havelock - Mahikipawa	SO	1000	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Mt Richmond FP / Mt Duncan	SO	500	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Hikapu – Nydia	SO	100	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others

Mt Richmond FP / Rai-Ronga	SO	500	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Croisilles	SO	1200	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain or remove wildings	radiata pine maritime pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Castle Hill Village	WA	5	1	1	2	2	Mosaic of grassland, scrub, and introduced plants, of little ecological value	Continued suppression of grassland, some threat to landscape character	Contain wilding spread	larch contorta pine Douglas fir	broom, crack willow, blackberry
Kahurangi / Riwaka South Branch	MO	150	1c	1	2	2	Regenerating fernland and scrub, mixed native and exotic (1c)	Invasion and suppression of fernland; suppression of native forest regeneration	Contain or remove wilding spread	radiata pine?	gorse

Courthouse Flat - Wangapeka	MO	25	1c	1	2	2	Regenerating fernland and scrub, mixed native and exotic (1c)	Invasion and suppression of fernland; suppression of native forest regeneration	Contain or remove wilding spread	radiata pine?	gorse
Arapawa / South	SO	1200	1c	1	2	2	Regenerating fernland and shrubland (1c)	Invasion and suppression of shrubland and fernland; suppression of native forest regeneration	Contain wildings	radiata pine?	Himalayan honeysuckle, gorse, broom: possibly old man's beard, German ivy, banana passionfruit, Tradescantia, and others
Danseys Pass Recreation Reserve	CE	6	1e	1	1.5	1.5	Historic plantings of exotic trees, modified by herbaceous and woody weeds, surrounded by tussockland (1e)	Invasion; threat to landscape character	Remove seedlings; monitor for new infestations	Pinus sp. Douglas fir larch	broom, sycamore, herbaceous weeds
Otago Central Rail Trail Recreation Reserve	CE	250	1	1	1.5	1.5	Historic rail trail between Middlemarch and Clyde, heavily modified by herbaceous	Reduction in recreation opportunities; threat to landscape character	Remove seedlings and selected seed trees, prune to allow easy public access	radiata pine	broom, gorse, thistles, sweet brier, herbaceous weeds

							and woody weeds		and shade		
Bannockburn Sluicings Historic Reserve	CE	145	1a	1	1.5	1.5	Extensive historic sluicings and tailings, vegetation modified by herbaceous and woody weeds (1a)	Invasion and damage to historic features; threat to landscape character	Contain trees south of Pipeclay Gully; remove seedlings north of Pipeclay Gully and monitor for re-infestation	radiata pine?	broom, gorse, sweet brier, herbaceous weeds
St Bathans – Blue Lake Recreation Reserve	CE	94	1	1	1.5	1.5	Historic sluicings and lake formed by goldmining; modified by herbaceous and woody weeds (1)	Invasion and damage to historic sluicings, threat to landscape character	Remove seedlings and seed trees; monitor for new infestations; seek to remove seed trees from adjoining land?	radiata pine?	broom, gorse, herbaceous weeds