			Threat	3. Threats to Plant Species Quotes
				(Lepidium banksii), is stubbornly resisting all recovery attempts. Of the transplants at five sites, only one appears healthy - seeding
		Nelson/	aphids,	prolifically for the entire season. A previously unrecognised threat was identified this year: root aphids, which annihilate nursery
49 Jun -03	13	Marlborough	transplants	plants over hot summer months
			browsing,	
42 Oct -01	12	West Coast	weeds	Coprosma wallii: Browsing and competition with adventive grasses appear to be the main threats to this species on the West Coast.
				We've also been out re-surveying coastal cress (Lepidium oleraceum) sites in the northern Mokohinau Islands. All our records of
				cress are 10 years or older, so it was time to re-check them. Six individual plants were found on only one stack. Rat eradication some
49 Jun -03	4	Auckland	burrows	years ago has left the islands predator-free and now honeycombed with bird burrows
				Shore spurge (Euphorbia glauca), once widespread in the inner Hauraki Gulf, now remains only on Brown's Island. We planted 80
				new shore spurges on Brown's this winter, all were grown from the seed of cuttings taken from the one remaining natural plant on
				the island. The project has been a propagation success story. As our one plant failed to flower and produce seed, we removed
			cuttings,	cuttings from it in 1999. This was a tough decision as the plant only had a few stems. But the gamble paid off, as they flowered
50 Sep -03	3	Northland	transplants	profusely and set seed while in cultivation at the Auckland Regional Botanic Gardens
		Nelson/		A Cook's scurvy grass census of the outer Pelorus Sound islands has confirmed that it is present on 6 of the 15 islands and islets
41 Jun -01	9	Marlborough	drought	visited. This year's exceptional drought has killed most plants though.
		Nelson/		
42 Oct -01	11	Marlborough	drought	During the drought, large numbers of <i>Raoulia</i> mats died on the Cloudy Bay Foreshore
				drought has affected the vegetation on a number of islands. The most noticeable effects are on The Brothers where a number of
				large Hebe elliptica on Little (northern) Brother, the largest shrubs on the island, have died. There are also noticeable areas of die
				back on both Long Island and Motuara Island. The severity of this drought can be seen on Motuara Island, where the waterhole has
				dried up for the first time in over thirty years. This is the only permanent natural water on the island and it has been dry now for four
42 Oct -01	16	Southland	drought	months.
		_		A survey of the Rarangi foreshore <i>Raoulia</i> mats failed to find any of the Cloudy Bay mat daisy jumper, <i>Kiwaia</i> sp. cf. <i>jeanae</i> . This is the
		Nelson/		second year we have failed to detect any of these flightless moths which are known from this site only. Their habitat was severely
45 Jun-02	12	Marlborough	drought	affected by the big drought of 2000/2001 and we are unsure whether the species has survived.
			farming,	it appears the type locality of <i>Melicytus flexuosus</i> has been destroyed by the site's conversion to a dairy farmSpray treatments to
			herbicides,	remove adventive grasses have generally resulted in increased cover of broad-leaved weeds. Removing the grazing threat is clearly
39 Dec -00	12	West Coast	livestock	only a first step to restoring these communities.
			farming,	
			weeds,	
			livestock,	
			vehicles,	Sphagnum bogs are threatened by conversion to agricultural land, competition from exotic grasses, stock and wild animal damage,
44 Apr-02	21	Otago	harvesting	sphagnum harvesting and recreational vehicle use.
				Amphibromus fluitans: these plants did not reach flowering size before the latest inundation, so there was a net decrease in the seed
53 Jun -04	11	Wellington	flooding	bank following their germination

40 Mar-01	7	Nelson/ Marlborough	fire, neglect	Fire on Boxing Day burnt all 300 recently planted <i>Muehlenbeckia astonii</i> , but the plants are tenacious. Despite being in the ground for only a few months, some are showing signs of regrowth when watered by a couple of concerned individuals!
40 Mai-01		Mariborough	ille, flegiect	Kowhai-ngutu-kaka: planting of this endangered shrub on road cuttings in the East Cape regionGraeme stopped by one of his
				plantings near Anaura Bay and was pleased to see some mature specimens in good health and vigour with juveniles nearby. On his
		Foot Coost/		return later that day he was devastated to discover that a mob of goats had been gobbling their way through the plants and had
F2 Mar. 04	10	East Coast/		even ring-barked the older specimenssome of the goats paid the supreme penalty. The lesson from this is that 'extinction events'
52 Mar -04	10	Hawke's Bay	goats	can occur with disagreeable rapidity, and we must constantly be on our guard if we are to prevent them
51 Dec -03	10	Wanganui	habitat loss	Robust milfoil has suffered a huge loss of habitat over the past 150 years
				monitoring of spring annual sites in Central Otago is painting a rather bleak picture, with the apparent loss of several sites which had
				previously supported good populations of Ceratocephala pungens and Myosurus minimus subsp. novae-zelandiaeSome losses have
51 Dec -03	16	Otago	habitat loss	resulted directly from land development
				300 kakabeak propagated from one of the Area's two known wild plants: Establishment has been slow, with almost total defoliation
		East Coast/		by hares contributing to the loss of around 90% of unprotected plants over the past 3 years. Though goats and deer are present in
50 Sep -03	8	Hawke's Bay	hares	very low numbers they seem to be having little or no impact on the plants.
47 Dec -02	7	Bay of Plenty	herbicides	spraying reed sweet grass (Glyceria maxima) which is seriously threatening the fern populations.
		Nelson/		chemical control of Carex ovalis in the ephemeral tarn at Sedgemere on Molesworth, is beginning to show potential for using a
49 Jun -03	15	Marlborough	herbicides	weedwand to enable the recovery of the unique turf community there
52 Mar -04	19	Canterbury	herbicides	Heliohebe raoulii var. Maccaskillii: part of the population had been killed recently during a spray operation to control gorse
				We have continued our ongoing quest to establish the appropriate way to control the weed Plantago coronopus at inland saline
				sites. AgResearch had previously established which herbicides and concentrations are effective on buck's horn plantain in field
				conditions and aren't effective on native saline plants in the glasshouse. They recommended two herbicides (Versatill and 2,4-DB) for
				trial on natives in the field at a small scale. The targeted natives for this year were Puccinellia raroflorens, P. stricta, Selliera radicans
				and Sarcocornia quinqueflora. After being trained in how to use the spray equipment to deliver precise concentrations, the sites
				were sprayed in early December. The first vegetation re-measurement is not until March, but initial observations indicate that 2,4-DB
52 Mar -04	22	Otago	herbicides	has killed the natives but Versatill has not. Neither has affected the plantain
52 Mar -04	24	Southland	herbicides	experiment in obtaining establishment and recruitment of Olearia hectorii by using herbicides to create a suitable seedbed.
				Final checks have been made for seedling establishment at several sites where grass beneath Olearia trees were sprayed in early
53 Jun -04	17	Otago	herbicides	spring. Unfortunately we appear to have been unsuccessful this year
		Nelson/		A four day August survey for Coprosma virescens revealed only two plants. Prior to the survey, we knew of only one population in
54 Sep -04	9	Marlborough	herbicides	the Nelson region, last seen in the early 1990s in Pig Valley. They have subsequently disappeared, falling victim to barberry spraying.
		_		experiment on a recently fenced fragmented population of Olearia hectorii in the Matukituki Valley In October 2001 he sprayed
				rank grass beneath and downwind of mature <i>O. hectorii</i> trees with the herbicide "Touchdown" A visit in early February confirmed
				not only a good knockdown of the grasses but also fantastic regeneration of <i>O.hectorii</i> seedlings in virtually all sprayed areas. Many
				thousands of seedlings were present with many already 10 cm or more tall. Calculation of seedling density revealed an astonishing
			herbicides,	4,675 seedlings per square metre over the most dense seedling carpets Although the experiment raises many questions about
44 Apr-02	20	Otago	drought	seedling survivorship, growth rates etc., (already drier summer conditions are causing large losses)
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				Most of the areas where the swamp nettle was found were protected either in Marginal Strips or Land Improvement Agreements.
			herbicides,	While this plant is able to defend itself with its stinging hairs (it is related to ongaonga, stinging nettle) it appears to be susceptible to
47 Dec -02	6	Bay of Plenty	habitat loss	herbicides and loss of habitat.
			herbicides,	Our mawhai (Sicyos australis) at Otuataua Stonefields is still there – a victory for this spiny climber - which is now the poster species
			livestock,	for the botanical values of the reserve in a brochure produced on Otuataua by the Manukau City Council. It's been deliberately
41 Jun -01	3	Auckland	weeds	sprayed and eaten by stock in the past, and is now competing madly with moth plant, but we are hoping its luck is starting to turn.
				Lepidium oleraceum: The population of this threatened plant on the Matariki Islands (near Coromandel Harbour) was visited again,
			herbicides,	and the kikiyu grass threatening its long-term viability was controlled with Gallant herbicide. This work was done using data from a
			weeds,	NIWA trial for Waikato Conservancy on the effects of grass specific herbicides on Lepidium. The sites will be visited once a year, and
			taking seeds,	the same treatment applied. Next year we also plan to take seed from these plants, and to propagate them for planting on other
39 Dec-00	5	Waikato	DoC	nearby islands.
				Monitoring of Cyclosorus interruptus in Awaiti Wildlife Management Reserve this summer has been foiled so far by high water levels
			herbicides,	which tend to kill off Cyclosorus populations. The wet weather has kept water levels high, resulting in Cyclosorus being hard to find
52 Mar -04	7	Bay of Plenty	flooding	and therefore making it difficult to monitor the impacts of a willow spraying operation undertaken last summer on the populations
46 Sep -02	2	Auckland	insects	Lepidium oleraceum: Most leaves were stripped back to the midrib, by what is assumed to be insects.
			insects,	Thelypteris confluens and Cyclosorus interruptus: The last few years have been a failure, with insects or other browsers destroying all
			browsing,	plants before flowering or seed set could occur. This year a range of protection mechanisms including slug bait and insecticide are
			pesticides,	being applied regularly to prevent browse. So far this work has paid off with two flower stalks present. Rorippa divaricata: No new
			weeds,	populations were found and several existing populations had died out with the sites being invaded by secondary native shrub species
43 Dec -01	5	Bay of Plenty	succession	and exotic grasses. Eight live plants in total were found, a decrease from 12 known plants last year
				kakabeak (Clianthus puniceus): only five of the original individuals planted in August 2001 have survived. Unfortunately the surviving
				plants were in poor health, being subject to some form of insect attackanalysis showed that plants had a significant amount of
				fungal growthThere were also at least three types of insect attack these attacks may be due to an underlying cause rather than
				being the cause of poor health. Stress from drying or root damage, increased shading from overgrowing trees, or some other sudden
			insects,	change, may alter the plant's condition and make it more attractive as a food source. Alternatively, overcrowding of a pest species on
45 Jun-02	4	Auckland	disease	some other neighbouring plants may result in a spillover effect.
			insects,	
			disease,	Lepidium oleraceum: Both insect damage and white rust infection are present at low levels, and plants appear to be in good
49 Jun -03	5	<u> </u>	weeds	condition. Weeds are an ongoing problem and probably the greatest threat to this population
		Nelson/		
41 Jun -01	9	Marlborough	livestock	Scutellaria novae-zelandiae: Habitat degradation by cattle is a significant threat
				Ranunculus recens: The original population is battling, with horse sign through the seepage area. There were hoof prints in the 50 x
45 Jun-02	8	Wanganui	livestock	50 cm monitoring plot.
47 Dec -02	15	West Coast	livestock	Coprosma wallii: Protection of the bulk of this population will require fencing to keep grazing cattle out.
			1	Simplicia laxa: conducted localised weed control of Hieracium lepidulum. There are two sites here: the 'top slot' which is not
53 Jun -04	17	Otago	livestock	accessible to stock, and the 'big slot' which had one section fenced off in 1997. Analysis of the data shows a steady decline in the

				unfenced sections, whilst the fenced section has remained pretty steady
				Six years of monitoring Simplicia laxa at Castle Rock on the Old Man Range has shown continued decline in cover within those parts
				of the site where stock have had access. This is in contrast to an area from which stock were excluded in 1997, which has maintained
54 Sep -04	13	Otago	livestock	a good cover of Simplicia.
			livestock,	Ophioglossum petiolatum: .Trampling and browsing are probably the biggest threats. Feral deer frequent the turf areas where the
49 Jun -03	7	Bay of Plenty	browsing	plant occurs, so several small cages were placed over plants as a trial to reduce any trampling or grazing effects
				Caring for around 70 plants of the annual herb Holloway's crystalwort (Atriplex hollowayi) on Far North Beaches has hopefully
				enhanced the seedbank this year. The plant is now so restricted and in such low numbers that stock, wild horses, and chance
				summer easterly storms are an extreme threat to its survival. Te Paki staff have had a summer -long struggle trying to erect horse-
			livestock,	proof temporary fences. A calm summer and vigilance by staff paid dividends with a good seedset. One hundred and fifty nursery-
45 Jun-02	3	Northland	storms	grown plants were planted out but few survived.
				Marram grass was originally introduced to Stewart Island to 'stabilise' the dunes. It has been amazingly successful, changing the
				whole nature of the dune system and driving many plant and animal communities to the brink of extinction. Dune areas are under-
			marram	represented in New Zealand's protected areas, being under pressure from farming, recreational use and housing development.
			grass,	During the last month the team sprayed marram found on over 90 hectares of dunefield for the third consecutive year. The results of
53 Jun -04	19	Southland	herbicides	the spraying are already becoming evident, with dramatic pingao growth and some dunes reverting to a pre-marram state
				Local iwihave been monitoring the progress of 300 Sebaea ovata plants which were translocated in November from plants grown
				from seed collected at Wanganui to Pouto. Most plants on their land did well, flowering and seeding before dying off in the dry
				January weather. The plants at the DOC managed site did not do as well. Bud browse at this slightly more disturbed site is being
48 Apr -03	3		moths	attributed to the gentian feeding plume moth
				The infestation on Clianthus maximus reported in the last issue turned out not to be sawfly larvae; a huge relief. The problem was
		,		caused by a number of species which included the relatively common kowhai moth. Caterpillar samples which had been sent to two
FF D 04	11	Tongariro/	moths,	authorities for identification apparently did not include the single animal that was provisionally-identified here. The infected plants
55 Dec -04	11	Taupo	pesticide	were dosed with insecticide and are now recovering
			pigs,	The region between the Administrative half and higher times and mineral providing between the first and each are Overall the content of the c
40 Apr 02	١,	Northland	livestock,	The main threats to <i>Atriplex hollowayi</i> are high tides, and pigs ploughing through flotsam washed ashore. Overall they have been a
48 Apr -03	2	Northiand	neglect	lucky bunch of plants, with many being missed by horse hooves and pig feeding.  The Conservancy monitoring team has been measuring scarlet mistletoe condition at sites with colonising and pre-peak possum
				populations in south Westland. Results show declines in mistletoe populations which appear to be following the possum invasion
				front (in areas without current possum control). Some areas to the south of Jackson's Bay are only now being colonised by possums,
54 Sep -04	11	West Coast	possums	and they seem to have very good populations of scarlet mistletoe (estimated to be around 36 per hectare at last count).
5 7 5CP 07	+	Nelson/	quarrying,	Brachyscome "Ward": The plants have lost some habitat through quarrying and are potentially under threat from crumbling cliffs and
47 Dec -02	15	1	erosion, fire	fireIt is likely that grazing is helping to maintain their habitat
200 02	1 -5		2. 00.011, 111 C	Leptinella filiformis: Until 1998 it was thought to be extinct 31 plants were planted out at Medbury Reserve monitored in
				October; six had been destroyed and a further four damaged by rabbits. The rabbits were probably attracted to the plants by the
44 Apr-02	16	Canterbury	rabbits	newly disturbed ground when they were planted. Hopefully the unusually damp summer on the plains has ensured this population
,p. 02		Janterbary		and a second of the control of the control of the plants and charter this population

				will become established enough to withstand further attention from the rabbits.
				The only population of sand tussock (Austrofestuca littoralis) on Whangapaoa Beach have been fenced off from rabbits. The large
51 Dec -03	1	Auckland	rabbits	increase in rabbit numbers this year has resulted in the sand tussock being selectively browsed back to stubby sticks
			rabbits,	
46 Sep -02	1	Auckland	weeds	Threats to puha include browsing by rabbits and competition with exotic <i>Sonchus</i> and other introduced species.
				The Raoul endemic karo (Pittosporum aff. crassifolium) seems to have suffered a higher degree of habitat loss than most plants on
			rats, goats,	Raoul, with the coastal habitats preferentially modified by settlers in the past. In addition it has been browsed by goats and its seed
55 Dec -04	4	Auckland	habitat loss	taken by rats
				Pterostylis cernua: SH 73 roadside ditch near Kumara. This site is very dependent on the mowing and roadside maintenance regime,
				which has the potential to both benefit the orchid (by keeping the grass sward low) and destroy it (by mowing down flowers, or ditch
39 Dec -00	12	West Coast	roading	clearance), and we are beginning to work with Opus to manage the site.
				Mistletoe: Our largest site in the Conservancy remains that currently earmarked for destruction by the future extension of State
42 Oct -01	3	Northland	roading	Highway 1
				There have been two incidents in the last year of threatened plant populations being damaged by roading contractors: green
				mistletoe (Ileostylus micranthus) and pale flowered kumeraho (Pomaderris hamiltonii) have been destroyed. These incidents
				occurred despite previous contact with the council about the plants and the council agreeing to avoid damaging the plants. Our
				people once again got together with their people to try and stop this from happening again. Some of the remedies discussed
51 Dec -03	1	Auckland	roading	included better marking of the sites, more regular contact, and maps that can be given to the people driving the machinery
				staff have been out with Opus Consultants who manage State Highways in Rotorua to show them the few Tupeia and Ileostlyus
			roading,	sites that occur near highways. Hopefully these will be avoided during road maintenance. At the Lake Okareka Tupeia site signage
			rubbish	has been erected at several access points to the two areas of conservation land near private properties, asking the public to protect
	_		dumping,	native mistletoe by not dumping rubbish or garden refuse. This will hopefully reduce the amount of mainly garden refuse being
51 Dec -03	5	Bay of Plenty	weeds	dumped at these important sites and which has been slowing the progress of ongoing weed control work
		East Coast/	-	roadside conservation plantings of kakabeakhad been decimated within a period of two weeks. The culprits appear to be larvae of
54 Sep -04	7	Hawke's Bay	sawfly	the willow sawfly
40.004	١			The flat summit plateau was found to be virtually devoid of the <i>Hebe elliptica</i> shrubland and <i>Poa astonii</i> tussockland previously
42 Oct -01	14	Otago	shags	recorded there. Stewart Island shags seem to be the most likely culprits
				On the flipside, the heavy rainfall events in July which caused severe flooding in the Eastern Bay of Plenty also impacted on
F4.6. 04		D (D)	1.	Moutohora. Many slips have cascaded down parts of the island's cliffs, burying most of the threatened plants planted in these
54 Sep -04	6	Bay of Plenty	slips	environments.
				Monitoring of the transplanted <i>Carmichaelia juncea</i> on the Kahurangi coast showed devastation wreaked by introduced slugs.
		<b>.</b>		Wellgrown specimens, planted into salt turf and clifftops during winter are now stumps. Browse inside mesh cages showed slugs as
42 Dec 04	11	Nelson/	-1	the culprits. Previously similar damage was attributed to hares and possums Typical damage involves removing leaf and flower
43 Dec-01	11	Marlborough	slugs	buds, chewing small shoots and stems
47 Dec 22	_	Day of Disaster	slugs, snails,	Lepidium oleraceum and Euphorbia glauca: Tuhua (Mayor Island), approximately 40 plants were established around south-east bay
47 Dec -02	ь	Bay of Plenty	sparrows	in winter 2000. Recent assessments indicate approximately 50% are surviving. Slugs, snails, and sparrows are browsing plants.

Taumaihi Island, August 2000 planting of 27 Lepidium oleraceum was assessed in 2001 with no plants found. This site w in April 2002 with still no plants found and only two Euphorbia glauca plants found.  The one and only naturally occurring sand spurge (Euphorbia glauca) known in the Auckland Area is perched precarious Browns Island. Eighty young Euphorbias grown by the Auckland Regional Botanic Gardens were planted in the general wild plant this winter. Four months later, only 11 of the 80 are still looking good. Most of the rest seem to have succum which defoliate the plant and eat at the stems  1 Auckland snails which defoliate the plant and eat at the stems  1 the last remaining Euphorbia glauca in Auckland Areabeen seen flowering for the first time ever and had set a little see checkedplanting more Euphorbia grown at the Botanic Gardens from material from the original lonely plant. Although have been troubled by garden snails and drought, some of them have flourished. A further 120 were planted this seaso The recent heavy snowfalls in central North Island took their toll on the trees at Paengaroa. A lot of branches came dow toppled over, and the undergrowth has been trashed in some areas. Our Korthalsella clavata monitoring on a Coprosme well and truly over, with the tree having broken. Some new canopy gaps in the forest have been created, and there is a light. It may well be events like this that drive the system.  Sebaea ovata, a small gentian of ephemeral dune wetlands, has been translocated to three locations on the Pouto Penr Dargaville. Sebaea ovata was thought to be extinct until rediscovered in the Whanganui area at Whitiau Scientific Reservance.	sly on a cliff on vicinity of the abed to snails, ed when later a the plantings on vn, trees have a wallii is now lot more
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42 Oct -01 9 Wanganui storms light. It may well be events like this that drive the system.  Sebaea ovata, a small gentian of ephemeral dune wetlands, has been translocated to three locations on the Pouto Penr	
Sebaea ovata, a small gentian of ephemeral dune wetlands, has been translocated to three locations on the Pouto Penr	
storms, Dargaville. Sebaea ovata was thought to be extinct until rediscovered in the Whanganui area at Whitiau Scientific Reser	ninsula near
	rve in 1989
weeds, with another population discovered at Hawken's Lagoon Conservation Area in 2000. They are the only known natural p	opulations of
vehicles, Sebaea ovata. Unfortunately both populations are declining and are threatened by extreme weather, weeds, vehicles,	and stock
47 Dec -02 10 Wanganui livestock damage among other things.	
A check on both the Lake Rotoiti and Blue Lake Rorippa populations in December revealed several trends. At eight sites	around Lake
Rotoiti the monitored population has declined from approximately 57 plants in 2002 to 31 plants in 2004. Many plants	were young
seedlings, indicating a continual turnover of plants on these slip sites, with some sites becoming overgrown and other s	uccessional
52 Mar -04 7 Bay of Plenty succession species thereby eliminating Rorippa.	
Permit workload is high with increasing numbers of research and tourist permits for the sub-Antarctic Islands (40 applic	ations and
39 Dec-00 15 Southland tourism they are still coming).	
Lepidium flexicaule transfer sites on Rangitoto Island five plants reported previously as having survived from the trans	
transplants, population of 150, have died. However, seven seedlings were located, having germinated from the seed produced by the	ne now
42 Oct -01 3 Northland weeds deceased adult plants. Exotic annual plants seem to be out-competing this native cress there.	
Ranunculus recens The transplant sites haven't fared any better. Twenty-odd seedlings were found in one 5'5 cm patch	where an
adult had been the year before. There were also two seedlings just below this clump. But that's all that's left from the o	riginal
transplants, plantings at four 50´50 cm sites. More of a worry is that we spotted Chilean rhubarb (Gunnera tinctoria) on the cliffs just	st below the
44 Apr-02 11 Wanganui weeds original site.	
Austrofestuca littoralis research shows a decline in the population size since the last survey several years ago. The main	
erosion of some of the dune areas by tidal influences and trampling of plants by vehicles on the dune systems – especia	ally quad bikes
41 Jun -01 7 Bay of Plenty vehicles and motorbikes.	
Korthalsella salicornioides: walkway passes through the middle of the population, and with no options to realign the to	rack
41 Jun -01 6 Bay of Plenty walkway vegetation has been carefully trimmed to keep the track clear.	Į.

				Another weed control party has just returned from Cuvier, and again the weed focus was mothplant. We are beginning to see
39 Dec-00	4	Waikato	weeds	reducing returns of weeds found per unit effort, so it looks like we are getting somewhere.
		Nelson/		Ephemeral wetlands: Weeds, especially oval sedge, appears to have been brought in by waterfowl from the Cobb Valley, and are
41 Jun -01	9	Marlborough	weeds	threatening the upper turfs, which is where most of the <i>Hypsella</i> grows.
				Inland saline sites: the latest weed – Plantago coronopus - threatening these important ecosystems. It's become very invasive at
			weeds,	many sites and threatens to wipe out many of the special plants. Biodiversity funding is facilitating a multi-year research programme
41 Jun -01	12	Otago	herbicides	to test a range of herbicides, some of which we hope will prove effective control agents.
				Lepidium flexicaule transfer sites on Rangitoto Island five plants reported previously as having survived from the translocated
				population of 150, have died. However, seven seedlings were located, having germinated from the seed produced by the now
42 Oct -01	3	Northland	weeds	deceased adult plants. Exotic annual plants seem to be out-competing this native cress there.
				Search[ed] many miles of Pouto for S. ovataThe windblown, footsore team returned unrewarded. Ironically the introduced
43 Dec-01	2	Northland	weeds	Blackstonia perfoliata and Centaurium erythraea seem to think Pouto is ideal gentian habitat too
				An experiment is now underway to find a method of controlling the weedy sedge, <i>Carex ovalis</i> , in the ephemeral tarn at Sedgemere.
		Nelson/		The edge is overwhelming the special communities there, which contain one plant known only from that tarn (Craspedia "tarn") and
43 Dec-01	12	Marlborough	weeds	four other tiny threatened plants.
				(Sicyos australis): Both populations consisted of large individuals covering an area of 5'5 metres. Unfortunately the weed Mexican
44 Apr-02	4	Auckland	weeds	devil was found growing near to one of the sites; this will hopefully be targeted for control in the near future.
				a few clumps of <i>Cyclosorus</i> and <i>Thelypteris</i> were noted in amongst a heavy reed sweet grass infestation. It appears that numbers of
44 Apr -02	8	Bay of Plenty	weeds	both species have declinedsince early 90's, probably as a result of weed competition
		Nelson/		
44 Apr-02	15	Marlborough	weeds	pygmy button: grass competition is proving to be the main threat now
				The coastal moth <i>Notoreas</i> 'Taranaki' appears to be benefiting from work carried out by Jim Clarkson from the Stratford Area Office.
				Management of the coastal herbfields, where its host plant <i>Pimelea urvillena</i> grows, has continued with exhaustive hand weeding
45 Jun-02	8	Wanganui	weeds	occurring.
		Nelson/		Monitoring of peppercress survival was monitored on two small islands, where it was introduced, in the Moutere Inlet. Its continued
45 Jun-02	11	Marlborough	weeds	survival was surprising as recruitment has been very poor and weed competition severe.
				Invasive weed control has been underway to protect several threatened plant species around Waionui Inlet, on South Kaipara
				HeadPampas, wandering jew and black wattle have been removed from the immediate area, although the site is adjacent to
47 Dec -02	3	Auckland	weeds	several thousand hectares of pampas covered dunes and pine forest, so the work will be an ongoing task.
				Craspedia "Leatham" survey showed that the original population of plants has decreased from 67 to 36 rosettes over the last two
		Nelson/		years. On a more positive note, a second site containing 14 rosettes was discovered. The large drop in plant numbers has prompted
48 Apr -03	8	Marlborough	weeds	the setup of formal monitoring and careful weed control.
				Vegetation and weed control to allow daylight and reduce competition from kakabeak seedlings on Moturemu has just been
				completed. While the transplanted kakabeak did not survive, it has been heartening to see seedlings come up from the island seed
49 Jun -03	3	Auckland	weeds	bank for a second year, and some of last years seedlings are still growing
49 Jun -03	4	Auckland	weeds	Dense weed infestations seem to hamper establishment of the coastal shore-cress on the island. The translocation is now entering a

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				re-assessment phase, during which the Conservancy will consider whether it is feasible to continue to try and establish a population of this cress on Rangitoto, or whether Auckland's weedy flora will win out
		Tongariro/		The Volcanic Plateau forget-me-not (Myosotis aff. Pygmaea): Unfortunately two of the small depressions were heavily infested by
49 Jun -03	7	Taupo	weeds	Heiracium pilosella, so it may be under immediate threat
50 Can 02	11	Nelson/		Lepidium banksii Weeding continuesto reduce light competitionThe peppercress and grey saltbush plantings in the Moutere Inlet are looking good numerous seedlings have cropped upAnother interesting outcome of the exotic grass weeding here is that healthy mats of the native spinach (Tetragonia tetragonioides; ranked as Sparse) have appeared. It looks as though this is the result
50 Sep -03	11	Marlborough	weeds	of the release of a long-lived seed bank after the habitat has been opened up
51 Dec -03	4	Bay of Plenty	weeds	Following the initial survey/resurvey work undertaken with Waikato Conservancy staff in August, a follow-up day was held with DOC volunteers in October to "weed" Picris and Pimelea sites located to reduce the competition from other plant species
		Tongariro/		Vegetation clearance has been occurring at Tangiwai Bog in the hope this will reduce competition and increase the abundance of Pterostylis micromega. All the vegetation in small areas ( $10 \times 10$ m) has been cut for the last two years. The abundance of Pterostylis micromega has increased annually from 43 plants in 2002, to 57 plants in 2003 and 137 plants in 2004. We have now decided to expand this work with a more scientific method at the Paramanawera Bog; three plots will be cleared and three plots will remain un-
52 Mar -04	10	Taupo	weeds	cleared
53 Jun -04	6	Bay of Plenty	weeds	Thelypteris populations have declined in the last decade, with weed invasion being a major factor at some sites
55 Dec -04	4	Auckland	weeds	Kermadec groundsel (Senecio kermadecensis) appears to have been outcompeted probably by a Mexican daisy Ageratum houstonianum
33 Dec -04	4	Auckianu		
44 00 02		Day of Dlanty	weeds,	survey using volunteers for the elusive <i>Pterostylis micromega</i> record (1984) from the Lower Kaituna wetland. No plants were found,
44 Apr -02	8	Bay of Plenty	herbicides	however several new sites for royal fern ( <i>Osmunda regalis</i> ) – a major weed threat to the wetland – were discovered and treated
			weeds,	Simplicia laxa: Recent monitoring indicates this rare grass is doing well at its stronghold on Castle Rock on the Old Man Range. The weed Hieracium lepidulum, which threatens its rock overhang habitat, is being successfully kept in check by periodic dabbing of
44 Apr-02	20	Otago	herbicides	herbicide (woody weed killer) on invading plants.
51 Dec -03	3	Waikato	weeds, herbicides	Lepidium work continues on the Matariki Islands. This is a constant battle with Kikuyu grass, but Gallant herbicide kills the grass and not the Lepidium
31 Dec 03		Walkato	weeds, livestock, habitat loss,	
			mineral	Sebaea ovate: This last known New Zealand population is under severe pressure from encroaching weeds, trespassing stock, habitat
38 Sep -00	16		deficieny	degradation and possible mineral deficiencies.
			weeds, pigs,	Staff have assessed threatened plants planted since 1993 at several protected areasBlackberry has proved too strong a competitor for some individuals Stock caused some minor losses1998 plantings were blitzed by pigsThere were stock problems prior to the fence repair Pingao and shore spurge have struggled because of dune profile changes. Unsuccessful plantings include sowthistle (Embergeria grandifolia) and Cook's scurvy grass. Chatham Island forget-me-not (Myosotidium hortensia) were destroyed by cattle
38 Sep -00	8	Wellington	livestock	and sheep
41 Jun -01	6	Bay of Plenty	flooding	Pterostylis micromega:no plants were located. The wetland habitat has changed greatly since the original discovery with much
11 3011 01		Day of Fichty		The residence of the second with the western and the second state of the original discovery with much

				more water present and no grazing. While this management regime has greatly improved the functioning and quality of the wetland it may not have been so favourable for the orchid.
			wetland	
46 Sep -02	1	Northland	loss, weeds	Draining and weeds is the likely cause of dieback at the only remaining Christella aff. dentata site