

www.nzabseilers.co.nz



We operate anywhere in the South Pacific Basin

24 HOURS 0800 NZIA LTD
(694 258)

RECEIVED

- 1 DEC 2010

TAURANGA CITY COUNCIL

Tauranga District Council Mauao Bluffs – 2010

Invasive Weed Control Project

Main target – GORSE & PAMPAS

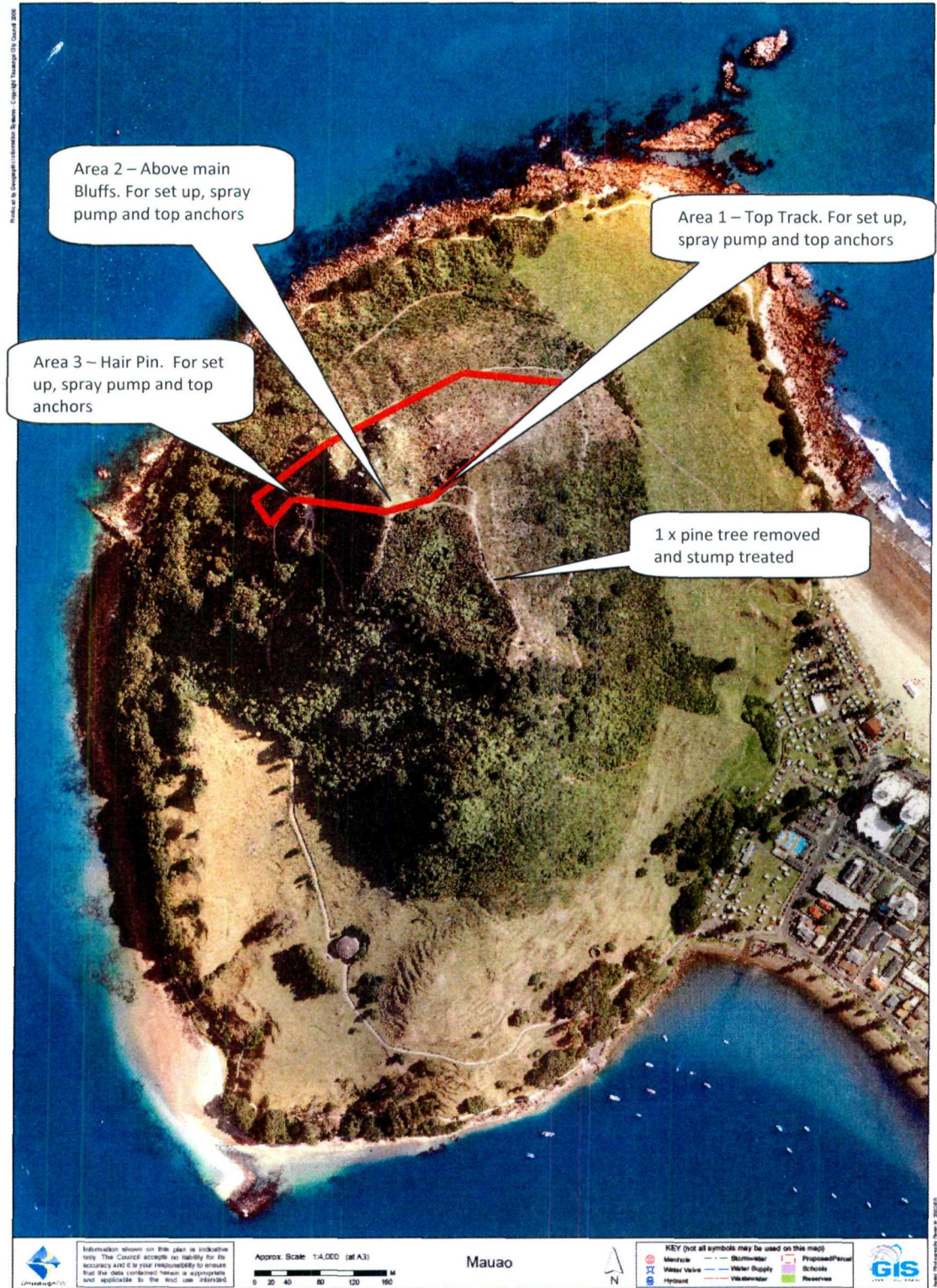


SOLUTION: NEW ZEALAND INDUSTRIAL ABSEILERS AGRICHEMICAL TEAM

New Zealand Industrial Abseilers Ltd P.O. Box 24082 Hamilton New Zealand

Mauao Control Areas

This photo shows the areas of control work for 2010. The red area indicates approximate control area for Pampas, gorse, and boneseed.



Monitoring Report

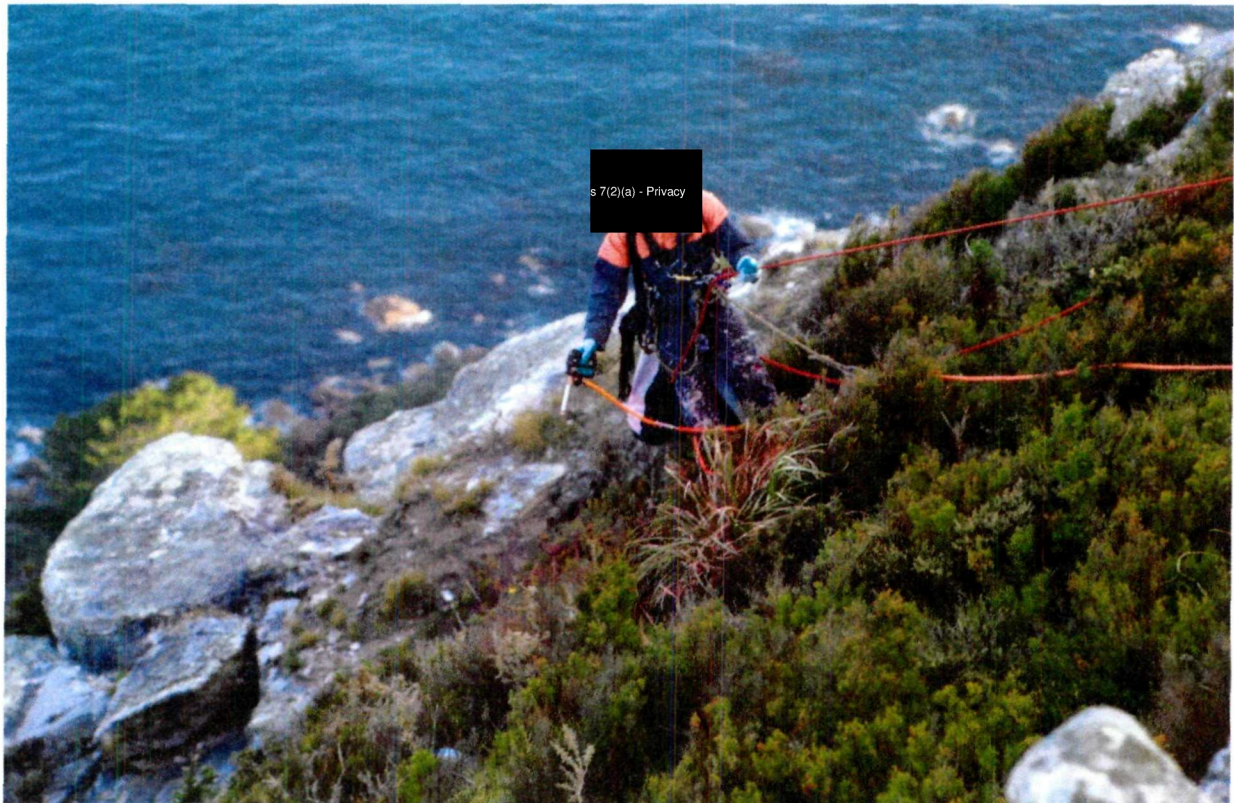
Herbicide Mixing Ratio;

- **GORSE - Tordon Brushkiller (Grassmate)** used at 250mls per 100litre of water plus penetrant and marker dye for Gorse.
- **PAMPAS - Glyphosate** used at 1000mls per 100litre of water plus penetrant and marker dye for Pampas.
- **BONESEED – Vililant Gel** used on the stumps of any plants cut that were unable to be hand pulled cleanly out.

2010 Control Work

From 21/10/10 through until 17/11/10

NZIA's control work this year was to focus on the area above the Orauhine track and concentrate on Gorse and Pampas control to follow on from last year's work and try to bring the area under control.



Daily Report on Invasive Weed Control 2010



26/10/10 Oruahine Track

- Weather - Sunny & light breeze
- Pampas - 150 litres sprayed out on approx 300 plants
- Gorse - 150 litres sprayed out on approx 225 plants
- Boneseed - zero
- The guys established at the top of Mauao and worked from the area 1. Heading down through the large open face close to the main bluffs
- The next area worked due to wind changing the guys moved to top area 2 and dropped down from the top one valley over from the hairpin corner



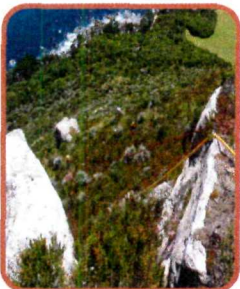
27/10/10 Oruahine Track

- Weather - Sunny & light breeze
- Pampas - 300 litres sprayed out on approx 450 plants
- Gorse - 25 plants sprayed at the same time as pampas
- Boneseed - zero
- The guys worked from top area 2 and worked down towards the top of the main bluffs in all the little guts, with 2 drops being right down onto the track from the top, approximately 150m.



28/10/10 Oruahine Track

- Weather - Sunny & light breeze
- Pampas - 400 litres sprayed out on approx 525 plants
- Gorse - 25 plants sprayed at the same time as pampas
- Boneseed - 6 plants with stumps 1"-2" in diameter
- The guys worked from top area 2 and working right down onto the track from the top, approximately 150m drops. The guys sprayed a lot of small pampas in this area



29/10/10 Oruahine Track

- Weather - Sunny & very light winds
- Pampas - 250 litres sprayed out on approx 300 plants
- Gorse - 15 plants sprayed at the same time as pampas
- Boneseed - zero
- The guys worked from top area 1 and worked down the large open face on the eastern side of the main bluffs, mainly spraying out pampas.



10/11/10 Oruahine Track

Weather - Fine & very light winds

Pampas - 200 litres sprayed out on approx 250 plants

Gorse - 15 plants sprayed at the same time as pampas

Boneseed - zero

The guys worked from top area 1 and worked down the large open face on the eastern side of the main bluffs, mainly spraying out pampas.



11/11/10 Oruahine Track

Weather - Fine & very light winds

Pampas - 450 litres sprayed out on approx 600 plants

Gorse - 50 plants sprayed at the same time as pampas

Boneseed - zero

The guys worked from top area 1 and worked down the large open face on the very eastern side of the main bluffs, mainly spraying out pampas.



12/11/10 Oruahine Track

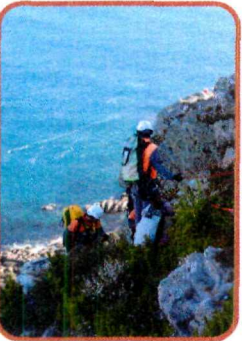
Weather - Fine & very light winds

Pampas - 190 litres sprayed out on approx 250 plants

Gorse - 15 plants sprayed at the same time as pampas

Boneseed - zero

The guys worked from top area 1 and worked down the ridge on the large open face between the Oruahine Track and Wiawera track, thus getting predominantly smaller pampas.



16/11/10 Oruahine Track

Weather - Fine & light winds rising

Pampas - zero

Gorse - Zero

Boneseed - 6 plants ranging in size from 1" to 2" trunk size

Pinetree - 1 pinetree taken out and stump treated on the front face as indicated on map

The guys worked from top area 3 and got 6 boneseed and also got the one pine tree (3 metres high) off the front face as well.



12/11/10 Oruahine Track

Weather - Fine & very light winds

Pampas - 300 litres sprayed out on approx 400 plants

Gorse - 25 plants sprayed at the same time as pampas

Boneseed - zero

The guys worked from top area 3 and worked down from the hairpin to the Oruahine track predominantly spraying out pampas and some gorse.

The photo below shows the pine tree that was dropped on the front face.



Summary for Invasive Weed Control 2010

Date	Area	Glyphosate Sprayed	Pampas Plants	Tordon Brushkiller	Gorse Plants	Bone Seed	Pinetree
26/10/2010	Oruahine	150	300	150	225	0	
27/10/2010	Oruahine	300	450	0	25	0	
28/10/2010	Oruahine	400	525	0	25	6	
29/10/2010	Oruahine	250	300	0	15	0	
10/11/2010	Oruahine	200	250	0	15	0	
11/11/2010	Oruahine	450	600	0	50	0	
12/11/2010	Oruahine	190	250	0	15	0	
16/11/2010	Oruahine	0	0	0	0	6	1
17/11/2010	Oruahine	300	400	0	25	0	
Totals for 2010 Project		2240	3075	150	395	12	1

Foliage spraying total summary.

Gorse

- Approximately 150 litres was applied to approximately 395 plants ranging in size between 0.5-2m in height.

Pampas

- Approximately 2240 litres was applied to approximately 3075 plants ranging in size between 0.5-2m in height.

Boneseed

- Approximately 12 plants were removed and stump treated ranging in trunk diameter between 25mm – 50mm in size

Pine Tree

- 1 pine tree was removed approximately 3m high and stump treated.

2009 Invasive Weed Control Project complete.

Monitoring Report proudly compiled and completed by Wayne Weatherly from New Zealand Industrial Abseilers Ltd, the invasive weed specialists.

