

Rotokare Scenic Reserve Trust predator trap-catch summary.

Total pests caught at Rotokare Mainland Island 2006

| | Jan-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Total | | GrandTotal | |
|----------------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|------------|------------|------------|----------|-------------|-------|-------------|-------|
| Stoats | 14 | 1 | 1 | 5 | 4 | 7 | 0 | 1 | 3 | 2 | 1 | | 39 | 2.4% | 123 | 2.9% |
| Ferrets | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | 6 | 0.4% | 12 | 0.3% |
| Weasels | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | 7 | 0.4% | 30 | 0.7% |
| Feral cats | 2 | 1 | 0 | 3 | 2 | 2 | 1 | 0 | 0 | 2 | 0 | | 13 | 0.8% | 32 | 0.7% |
| Rats | 86 | 91 | 157 | 173 | 55 | 88 | 52 | 85 | 95 | 87 | 141 | | 1110 | 66.9% | 2496 | 58.2% |
| Hedgehogs | 69 | 19 | 25 | 59 | 27 | 11 | 0 | 1 | 10 | 23 | 15 | | 259 | 15.6% | 877 | 20.4% |
| Rabbits | 6 | 3 | 0 | 4 | 0 | 1 | 0 | 2 | 18 | 14 | 5 | | 53 | 3.2% | 129 | 3.0% |
| Mice | 17 | 8 | 13 | 16 | 6 | 19 | 7 | 4 | 12 | 16 | 28 | | 146 | 8.8% | 535 | 12.5% |
| Possums | 0 | 2 | 1 | 1 | 0 | 7 | 3 | 6 | 2 | 1 | 2 | | 25 | 1.5% | 57 | 1.3% |
| Sprung & empty traps | 8 | 0 | 0 | 6 | 11 | 71 | 28 | 32 | 36 | 37 | 25 | | 254 | | 537 | |
| No. of DOC 200 traps | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | | 252 | |
| No. of Victor traps | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | | 399 | |
| Total no. of traps | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | | 651 | |
| Total pests | 195 | 126 | 200 | 267 | 94 | 135 | 64 | 99 | 140 | 146 | 192 | 0 | 1658 | | 4291 | |
| Mustelids | 15 | 2 | 4 | 11 | 4 | 7 | 1 | 1 | 3 | 3 | 1 | 0 | 52 | 3.1% | 165 | 3.8% |



Trapping and data collection carried out by the **Rotokare Scenic Reserve Trust**.

RSRT trapping project co-ordinator:
Kara Prankerd

Phone: (06) 752 7231

Email: kara.prankerd@gmail.com



Data presented by

Cees Bevers

Oecologico Ltd.
P.O. Box 7139
New Plymouth

Ph [06] 759 8005
fax [06] 759 8006
mobile [027] 660 4041

oecologico@xtra.co.nz

BACKGROUND:

This is a project carried out by the Rotokare Scenic Reserve Trust, which has been in operation since June 2004.

TRAPPING SET-UP:

Area: 230ha reserve, and an outer farmland buffer area of an extra ~750ha.

Traps: Single & double-set DOC 200 trap boxes for stoats. Victor Pro rat traps and assorted possum and cat traps.

Trap spacing: 100m for stoat traps, and 50m for rodent traps

Total no. of trap boxes: 651

Check regime: Fortnightly Oct – March (inclusive)

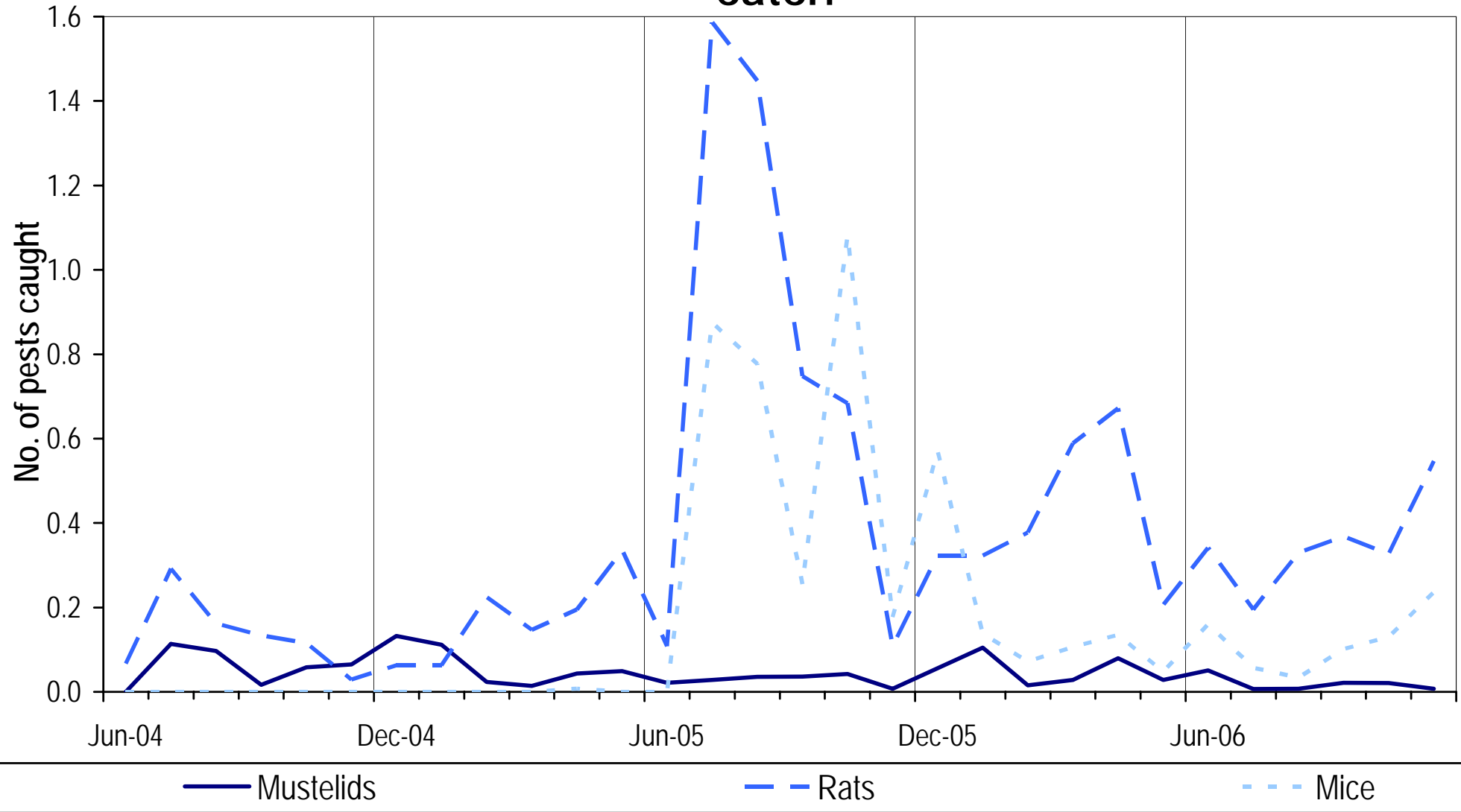
Monthly April – September (inclusive)

Total of 18 checks/year as a minimum; some traps are checked fortnightly year round.

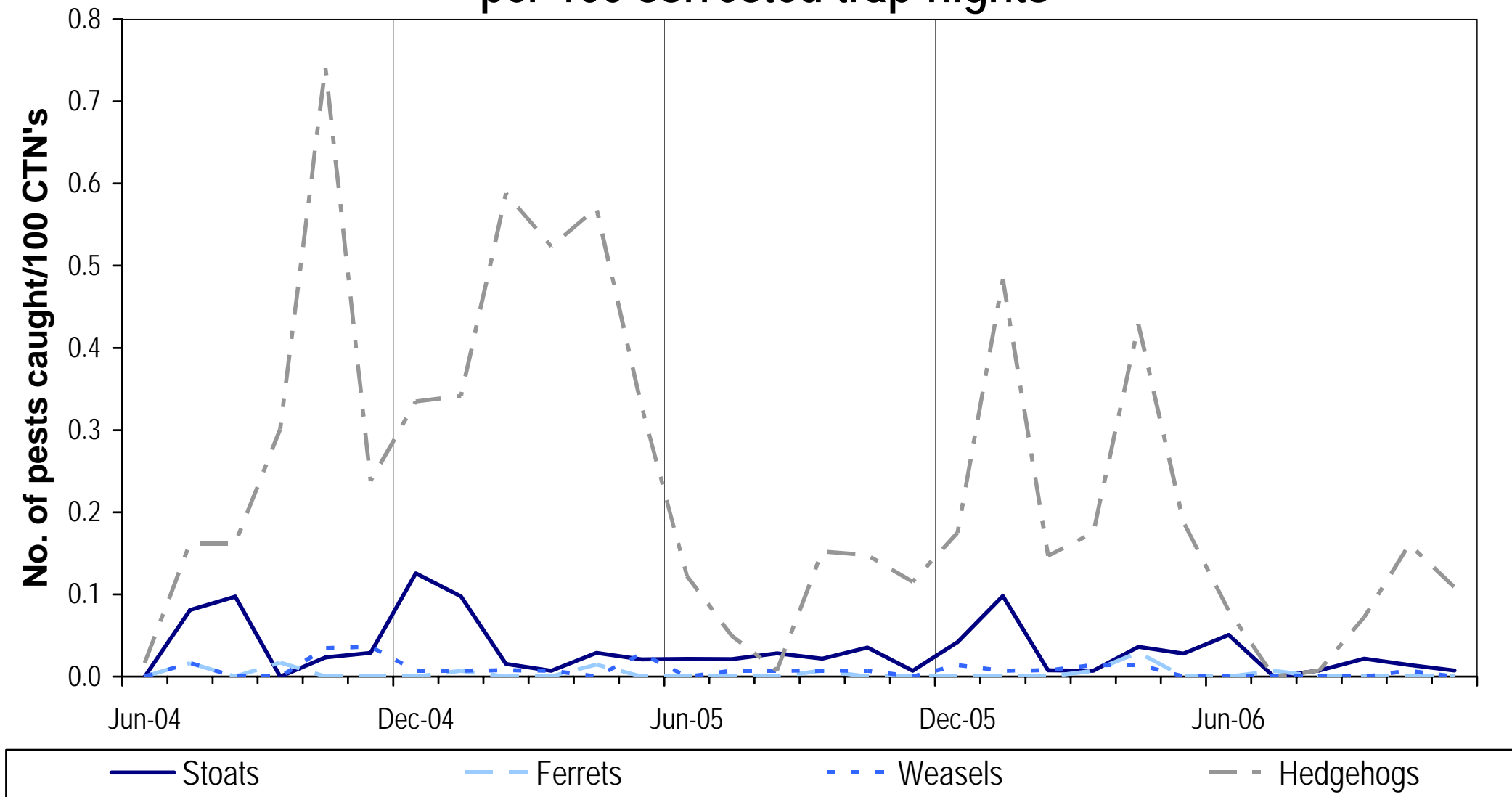
Layout: A trap-line map of the block is available on request via email.



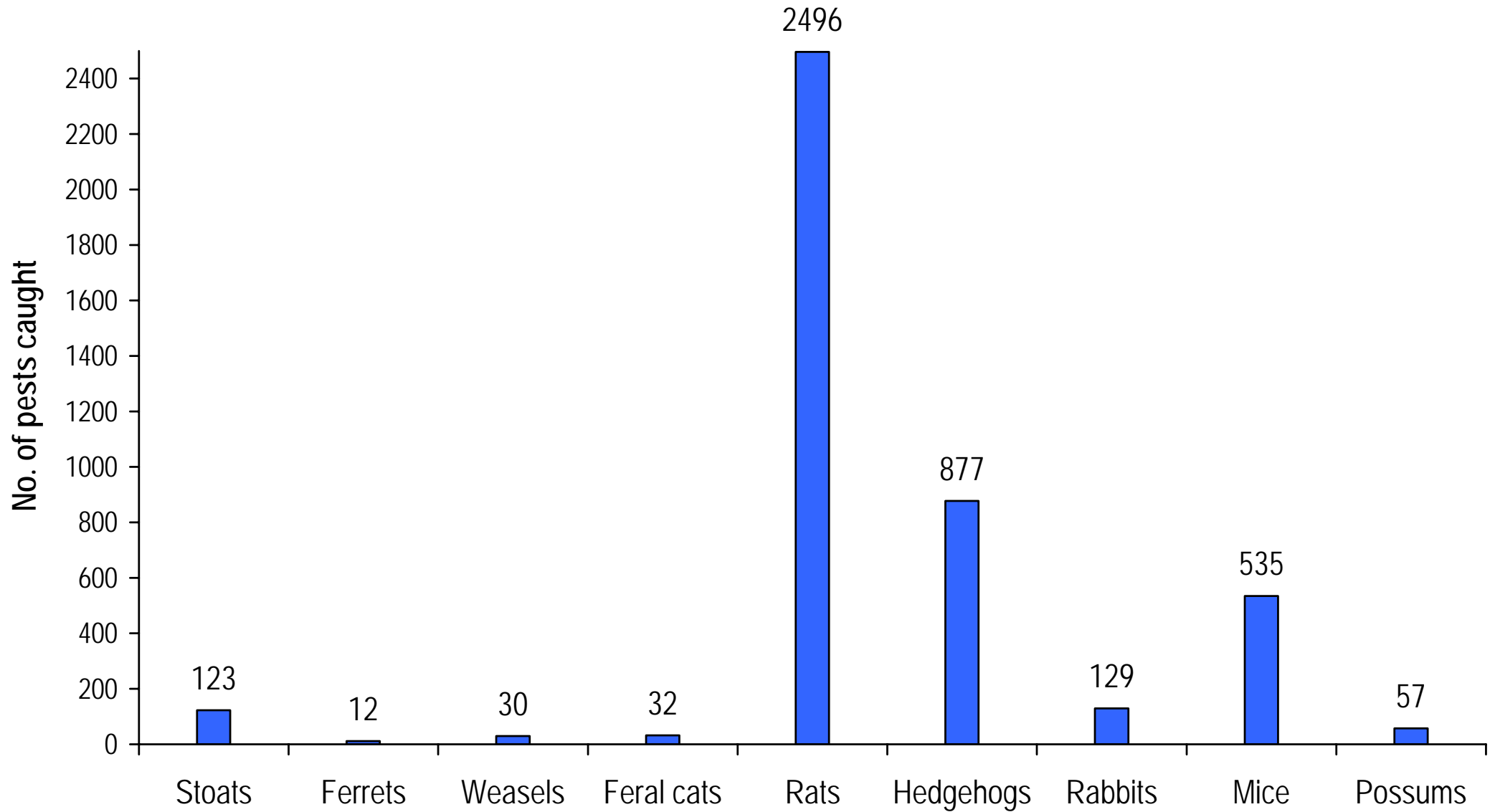
Rotokare Mainland Island mustelid and rodent trap-catch



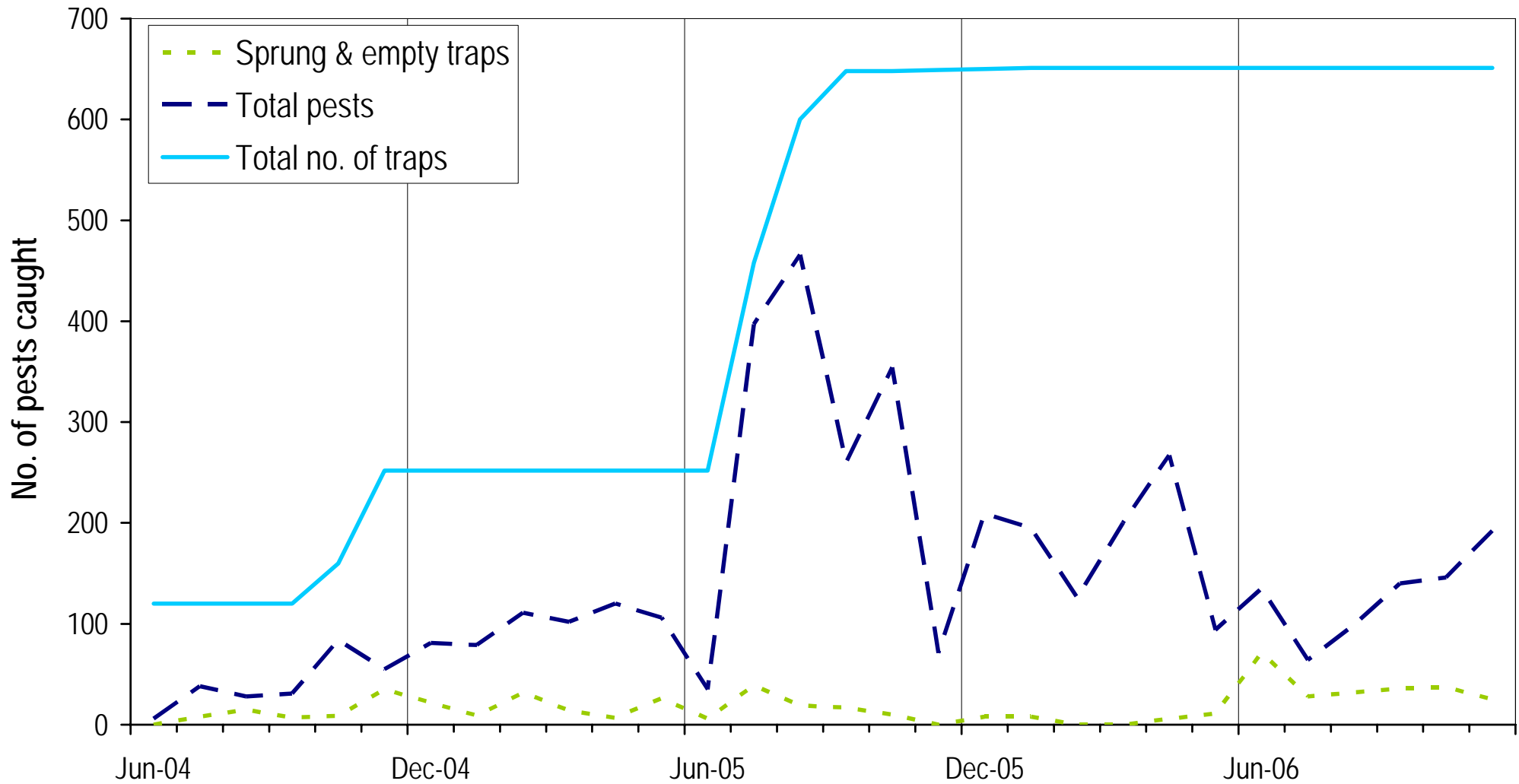
Rotokare Mainland Island mustelids and hedgehogs caught per 100 corrected trap-nights



Rotokare Mainland Island total pest trap-catch



Rotokare Mainland Island total monthly catch, trap no. and sprung & empty traps



Notes:

1. Total catch of pests is now trending up due mainly to hedgehogs and rodents. These are natural seasonal fluctuations in both activity (hedgehogs) and population fluctuations (rodents).
2. The catch of mustelids (stoats, ferrets and weasels) is very low. This seems a sustained trend. This time of year can see increases in ,mustelids; especially in the coming quarter.
3. Please note that because of intense ramping up of trapping effort with a rodent trapping network, catches will appear relatively higher to other projects that only have stoat traps.
4. The current level of trapping is controlling most pest species in Lake Rotokare Scenic Reserve to low levels.

Total pests caught at Rotokare Mainland Island 2004-05

| | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Jul-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Total | |
|---------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|-----------|------------|-------------|-------|
| Stoats | 0 | 5 | 6 | 0 | 2 | 4 | 18 | 14 | 2 | 1 | 4 | 3 | 3 | 3 | 4 | 3 | 5 | 1 | 6 | 84 | 3.2% |
| Ferrets | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 0.2% |
| Weasels | 0 | 1 | 0 | 0 | 3 | 5 | 1 | 1 | 1 | 1 | 0 | 4 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 23 | 0.9% |
| Feral cats | 1 | 2 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 1 | 3 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 19 | 0.7% |
| Rats | 4 | 18 | 10 | 8 | 10 | 4 | 9 | 9 | 29 | 21 | 27 | 48 | 15 | 326 | 361 | 192 | 181 | 28 | 86 | 1386 | 52.6% |
| Hedgehogs | 1 | 10 | 10 | 18 | 64 | 33 | 48 | 49 | 76 | 75 | 79 | 47 | 17 | 7 | 1 | 21 | 21 | 16 | 25 | 618 | 23.5% |
| Rabbits | 0 | 1 | 1 | 4 | 5 | 7 | 4 | 5 | 2 | 2 | 5 | 1 | 0 | 3 | 2 | 5 | 11 | 4 | 14 | 76 | 2.9% |
| Mice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 54 | 82 | 30 | 131 | 21 | 70 | 389 | 14.8% |
| Possums | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 13 | 6 | 3 | 1 | 6 | 32 | 1.2% |
| Sprung & empty traps | 0 | 8 | 15 | 7 | 9 | 35 | 22 | 9 | 32 | 14 | 7 | 26 | 6 | 39 | 19 | 17 | 10 | 0 | 8 | 283 | |
| No. of DOC 200 traps | 120 | 120 | 120 | 120 | 160 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | |
| No. of Victor traps | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206 | 348 | 396 | 396 | 397 | 398 | 398 | |
| Total no. of traps | 120 | 120 | 120 | 120 | 160 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 458 | 600 | 648 | 648 | 649 | 650 | 650 | |
| Total pests | 6 | 38 | 28 | 31 | 84 | 55 | 81 | 79 | 111 | 102 | 120 | 106 | 35 | 397 | 466 | 260 | 354 | 71 | 209 | 2633 | |
| Mustelids | 0 | 7 | 6 | 1 | 5 | 9 | 19 | 16 | 3 | 2 | 6 | 7 | 3 | 4 | 5 | 5 | 6 | 1 | 8 | 113 | 4.3% |

