

# 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						32	3.0%	116	3.1%
Ferrets	0	0	1	4	0	0	1						6	0.6%	12	0.3%
Weasels	1	1	2	2	0	0	0						6	0.6%	29	0.8%
Feral cats	2	1	0	3	2	2	1						11	1.0%	30	0.8%
Rats	86	91	157	173	55	88	52						702	64.9%	2088	56.2%
Hedgehogs	69	19	25	59	27	11	0						210	19.4%	828	22.3%
Rabbits	6	3	0	4	0	1	0						14	1.3%	90	2.4%
Mice	17	8	13	16	6	19	7						86	8.0%	475	12.8%
Possums	0	2	1	1	0	7	3						14	1.3%	46	1.2%
Sprung & empty traps	8	0	0	6	11	71	28						124		407	
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	
<b>Total pests</b>	<b>195</b>	<b>126</b>	<b>200</b>	<b>267</b>	<b>94</b>	<b>135</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1081</b>		<b>3714</b>	
Mustelids	15	2	4	11	4	7	1	0	0	0	0	0	44	4.1%	157	4.2%



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

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### 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)

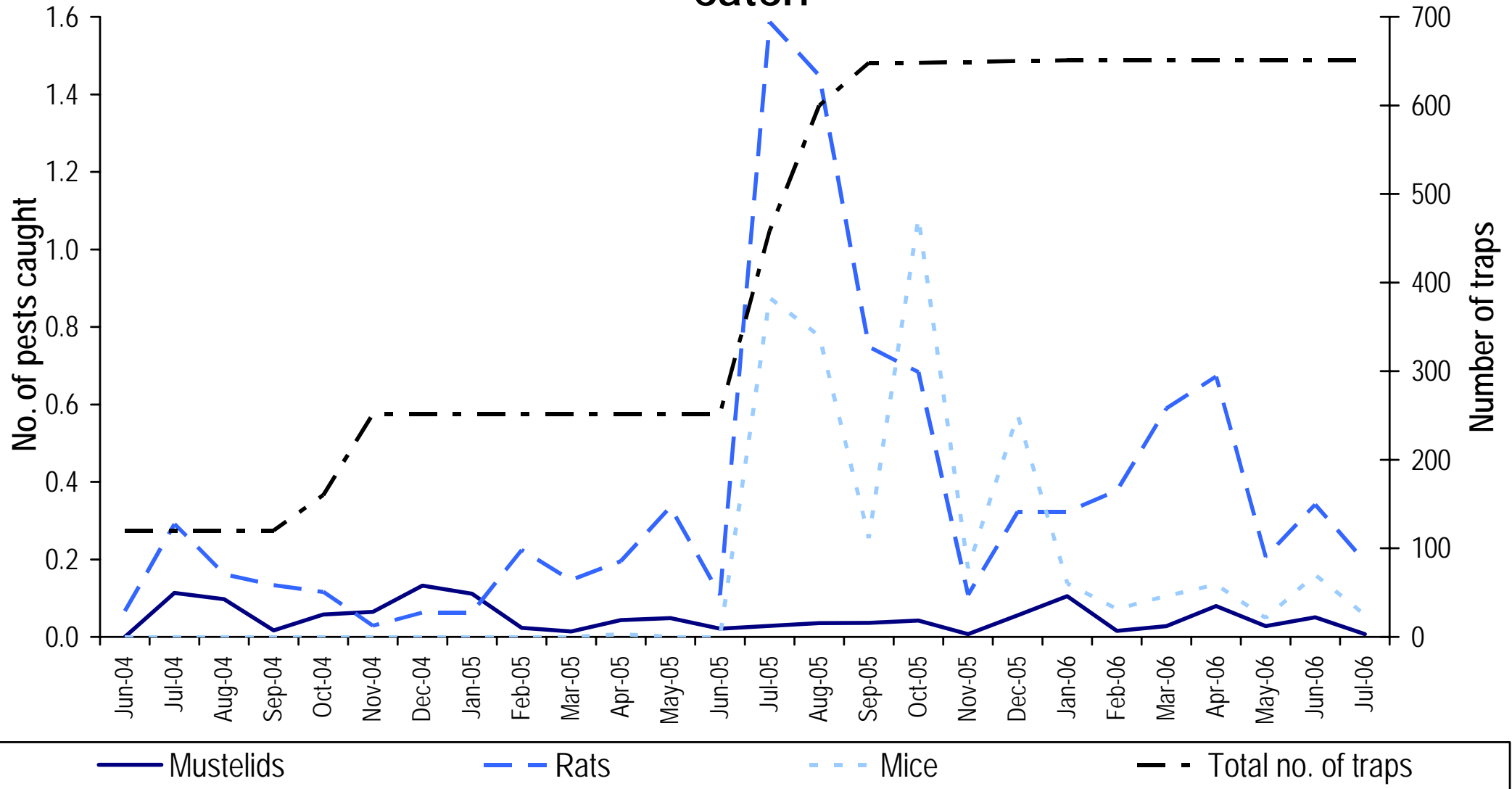
Monthly April – September (inclusive)

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

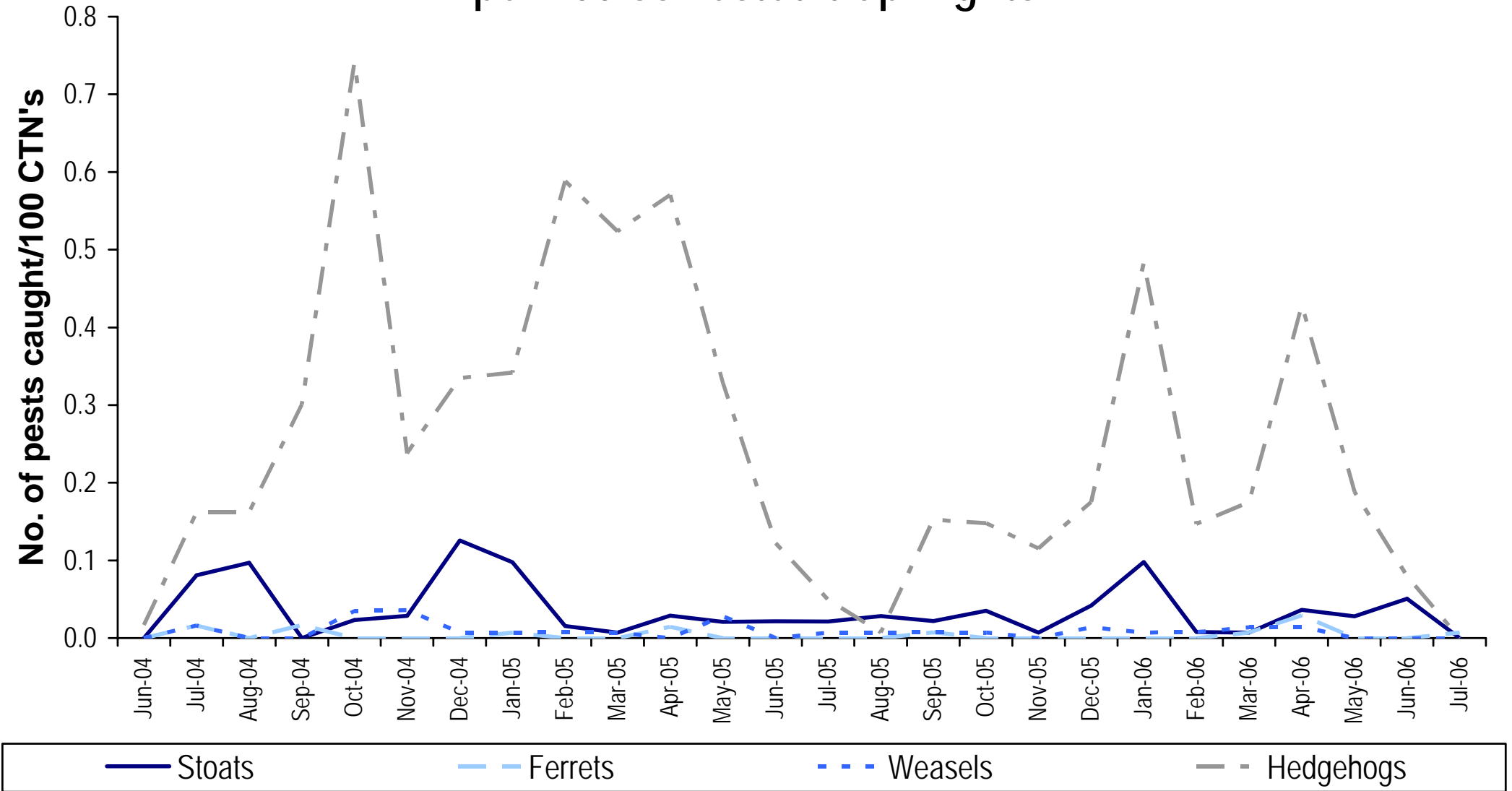
**Layout:** A trap-line map of the block is available on request via email.



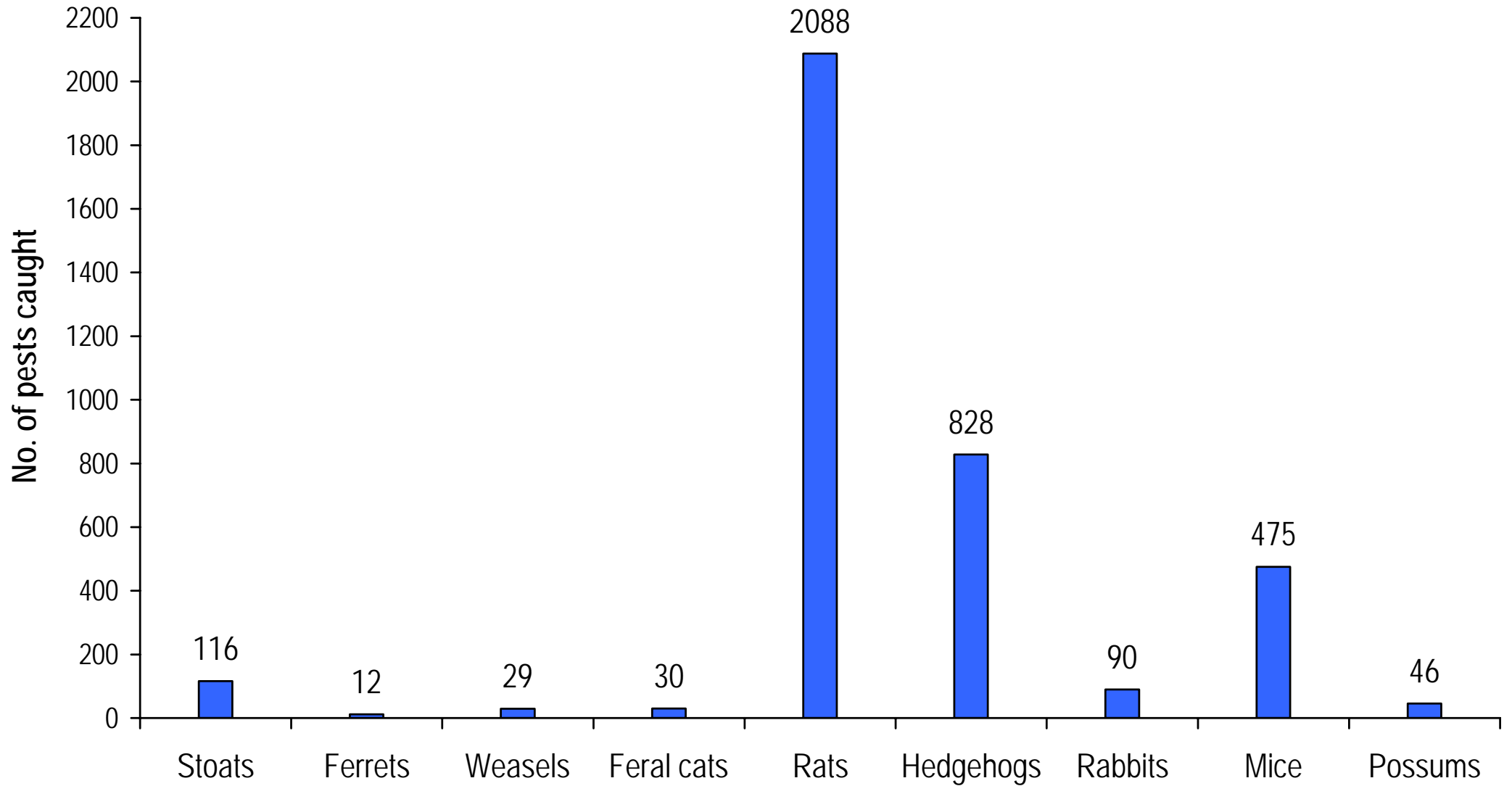
# Rotokare Mainland Island mustelid and rodent trap-catch



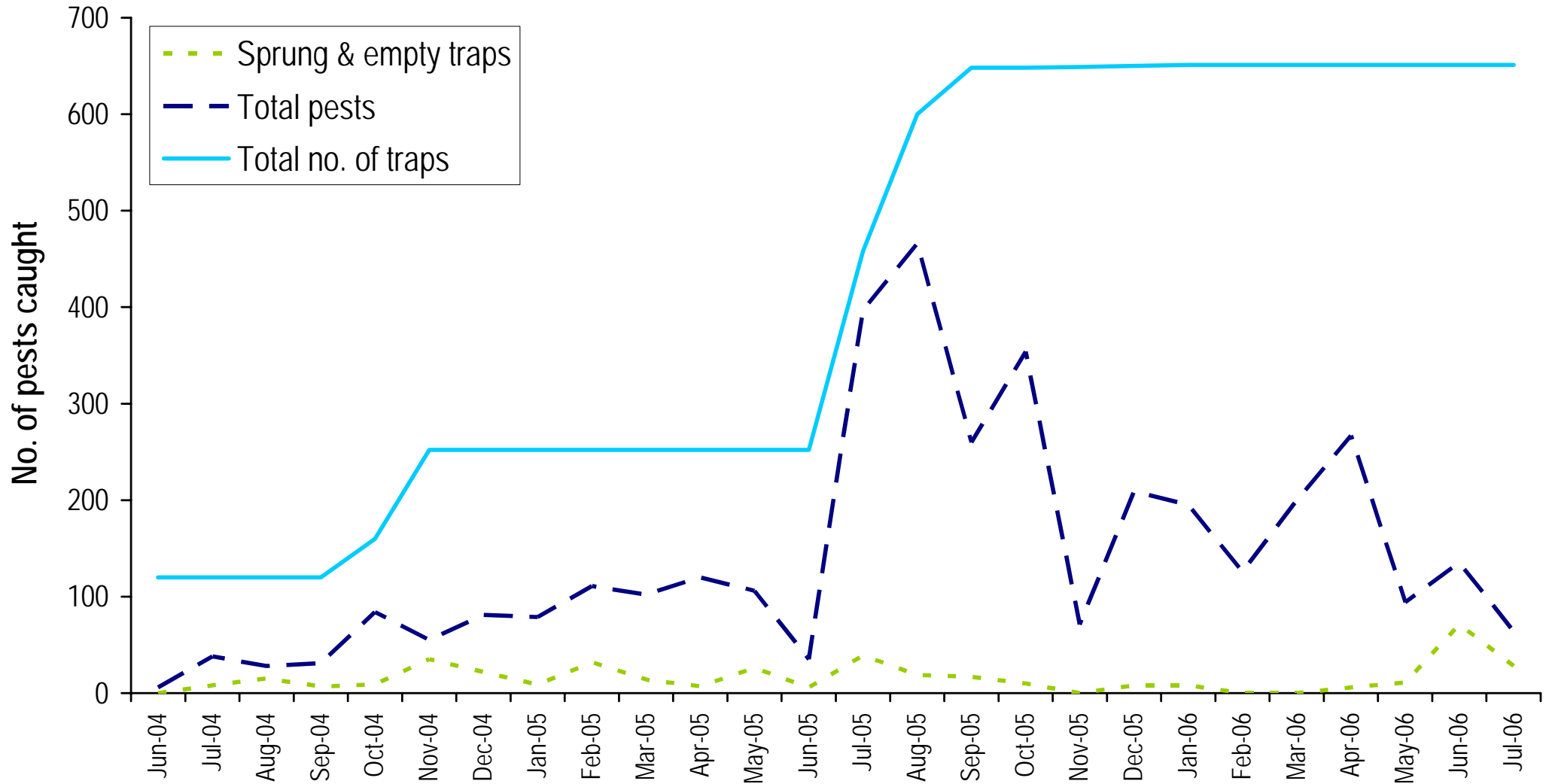
# Rotokare Mainland Island mustelids and hedgehogs caught per 100 corrected trap-nights



# Rotokare Mainland Island total pest trap-catch



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



**Noteworthy points:**

1. Total catch of pests is still trending overall, even though trapping effort remains high.
2. The catch of mustelids (stoats, ferrets and weasels) remains steady, but relatively low.
3. Catch of rodents (rats and mice) has steadied after initial knock-down, with rats now being caught in much reduced numbers. **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. Hedgehogs have been caught much less than last season. The hedgehog season has had lower catch peaks this year.
5. The current level of trapping is controlling most pest species in Lake Rotokare Scenic Reserve to low levels.
6. Reporting of sprung and empty traps has increased in June, and seems now to be again accounting for all sprung and empty catches. Underreporting seems to have occurred for the previous 9 months.
7. **Note that some of the June figures have increased to the last report, as the rest of the data has come in from the month. This may also apply for July, with not all of the months data may not be in yet.**

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

