

Species	Producer/Consumer	Eaten by....	Feeds on...
Feral cats	consumer	Feral dogs and birds of prey	Rabbits, Birds and Eggs
rats	Consumer ▾	Feral cats and house cats	Kiwi eggs and cheese
Rabbits	Consumer ▾	Feral cats feral dogs.	berries.
Feral dogs	Consumer ▾	prey	
kiwis	Consumer ▾	Feral cats and feral dogs and stoats	Berries worms and bugs
	Consumer ▾		
tui	Consumer ▾	Stoats rats cats dogs	Berries worms bugs
Berries	Producer ▾	Kiwis tui birds pukeko	The sun's rays

	Pluses	Minuses	Interesting Points
Training dogs to eat them	It would kill them	People having to take the dogs out	
Poison	it could kill other pests to	Other things could eat it	
hunt them	it would be fun	the cost of bullets	

Problem Solution Matrix			

3) If you had to choose between these options or initiatives, what five criteria could you use to judge which option was the best?

4) Give each option a grade from 1 to 5 (1 is best, 5 is worst), to rate the option for each criteria. Add up the total grades for each option. The option with the lowest total is the best one.

	Training dogs to kill them	Poison	hunt them
cost	2	1	3
effectiveness	1	2	3
Enviroment	2	1	3
people involved	3	1	2
effect on other animals	2	1	1
Total	10	6	12

	Research Questions	Source to find answer	Search Criteria (if using web)
1	What impacts does the pest species have on its food web?	Other ▾ Stile	
2	What Problems do Feral Cats Cause in BoP?	Web ▾	Cats were brought to New Zealand by the early European explorers from 1769 onwards. To get rid of the rats on boats.
3	How did Feral cats get to NZ and the BoP?	Web ▾	Cats were brought to NZ by Europeans in 1769 to get rid of the rats on the boats.
4	What are the negative effects of Feral cats?	Web ▾	Killing birds and bird eggs.
5	Are there any positive effects of feral cats?	Web ▾	Killing some other predators.
6	What could be done to reduce the problem caused by feral cats?	Web ▾	Live capture or kill traps.
7	What is the best solution?	Expert ▾	

- 1.
- 2.
- 3.
- 4.
- 5.

6. What could be done to reduce the problem caused by feral cats?

Train dogs to kill them would work because it would fix the problem by taking out some of the feral cats that can't kill as many small mammals so the ecosystem can grow but there is a downside you have to train the dogs to trace cats then they have to be fast enough to catch them and it takes man hours to train and take the dogs out in the wild and plus it costs money to buy dogs and take them out to the wild but wild but dogs have better sense of smell.

Putting poison would work because it would fix the problem by taking out some of the feral cats that can't kill as many small mammals so the ecosystem can grow. There is a downside though because other things that aren't the cats could eat the poison and die. Another problem could be that it's not guaranteed to eat the poison.

Pest Report Plan (one paragraph per point)

1. Introduction

New Zealand is losing its biodiversity. We are allowing our precious native animals to disappear. Here in the Bay of Plenty, the rapid increase of feral cats is one of the key factors in our losing battle. We need to mount a different attack to mitigate the harm that feral cats cause. To mitigate the deleterious effect of feral cats in the Bay of Plenty, we should poison them. In this report we will describe the rise of this nasty pest, its effects, and some possible solutions before convincing you of the best solution.

2. Description of pest

A Feral cat is an unowned domestic cat that lives outside and avoids humans. It doesn't allow itself to be handled or touched, and most of the time remains hidden from humans. Feral cats may breed over dozens of generations and become an aggressive local apex predator in urban, savannah and bushland environments. Source wikipedia

3. Where it came from

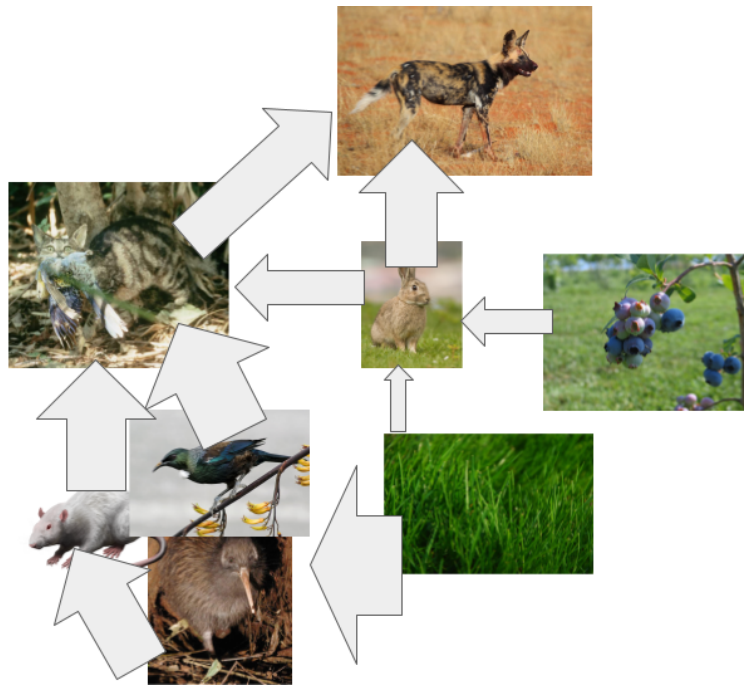
Cats were brought to New Zealand by early European explorers in 1769 because ships were heavily infested with rats and they were used to help control them. In recent times feral cats populations have also resulted from the dumping of unwanted kittens and cats.

4. Numerical data paragraph

The numerical data graph shows that poison would be cost effective and not much man hours go into the dispersing the poison compared to training dogs cause you have to by dogs and train them and take them out to the forest to catch the cats but also cats are much more agile than dogs so even that could not work so we come to the other solution hunting but guns and ammo cost money and man hours to go out there and hunt also cats are agile so its possible they cant hit all those shots and the bullets are ruining the environment.

5. Effect on Food web

Feral cats often prey on native wildlife, but they also eat dead animals. Studies have shown that wild rabbits are a major food item for feral cats. However, mice, smaller native mammals and birds are also common prey.



6. Effects it has 1

A feral cat is not stray or owned and has none of its needs provided for by humans. Feral cats have an impact on birds, bats, lizards, mice, weta and other insects. Feral cats impact native wildlife through predation, competition, and the spread of disease.

7. Effects it has 2

Feral cats have a big impact on New Zealand's native and non-native species. Their diet changes depending on the habitat they live in. They feed on rabbits, birds and bird eggs, rats, hares, bats, lizards, mice, weta and other insects. Populations of endangered black stilt, wrybill and black-fronted terns are impacted by cat predation in river beds in the South Island.

8. Effects it has 3

They kill the weakest and slowest animals.

By eating rodents or birds that don't have the health and the strength to survive, or the lack of ability to camouflage themselves, feral cats help to assure that prey animal populations become stronger and more adapted to their environment.

9. Possible solution 1

Putting down poison would work because it would fix the problem by taking out some of the feral cats that can't kill as many small mammals so the ecosystem can grow. There is a downside though because other things that aren't the cats could eat the poison and die. Another problem could be that it's not guaranteed that the cats will eat the poison.

10. Possible solution 2

Train dogs to kill them would work because it would fix the problem by taking out some of the feral cats that can't kill as many small mammals so the ecosystem can grow but there is a downside you have to train the dogs to trace cats then they have to be fast enough to catch them and it takes man hours to train and take the dogs out in the wild and plus it costs money to buy dogs and take them out to the wild but wild but dogs have better sense of smell.

11. Possible solution 3

Hunting the feral cats is a solution to get rid of the cats but there are

negatives and positives the positives are it could get rid of the cats and it's good to get fresh air in the lungs and go out get some sunlight but the negatives now it costs money and time man hours to go out and hunt the cats money to buy the guns and money to buy the bullets and it's really easy to miss because cats are agile and fast.

12. Best option and why (PMI)

We think poison would be the best solution because it is cost effective, easy to use and doesn't have much man hours included.

13. Conclusion

Poison is easy and cost effective and doesn't have much man hours there for the best option and hunting and training dogs to eat them didn't work as well this was the best option and some reasons why to go over it.

Bibliography

Wikipedia

Department of conservation

