

Summary of Activities Related to the Action Plan on Whale Killing Methods (based on Resolution 1999-1): Euthanasia of stranded whales beyond all hope of rescue

(Submitted by New Zealand)

Summary Reporting Form

Contracting Government	NEW ZEALAND
Season	1 April 2008 – 31 March 2009
Area	New Zealand coastal waters
Fishery type (e.g. commercial, aboriginal subsistence, scientific permit)	Euthanasia of stranded whales beyond all hope of rescue

Table 1. Summary of primary and secondary whale killing methods used (Note that the appropriate Method No. should be used throughout the form):

Method No.	Brief description of method (e.g. penthrite grenade, 'cold' grenade, rifle of stated calibre, etc). Put the most commonly used method first. Insert more rows if necessary.	Used as: (state whether primary killing method, secondary, or both)
1	Rifle .308	Primary
2	Rifle 30-06	Primary
3	Rifle .44 Magnum	Primary

Summary of criteria used to indicate unconsciousness and death:

<ol style="list-style-type: none"> 1. complete dilation of pupils 2. absence of palpebral and corneal reflexes 3. slack lower jaw. <p><i>Note: none of the animals demonstrated agonal convulsions</i></p>

Table 2: Summary of information providers:

Percentage of data provided by:	
▪ inspectors	
▪ scientists	
▪ hunters	
▪ other (please specify)	DOC staff

Table 3: Summary of hunt:

Item	Species 1 <i>[insert name]</i>		Species 2 <i>[insert name]</i>		Species 3 <i>[insert name]</i>	
Natural stranding	Pygmy sperm		Gray's beaked		Pilot whale	
	No.	%	No.	%	No.	%
Whale killing methods						
▪ Total no. killed (all methods summed)	7		1		8	
▪ Total killed using Method 1 only	7					
▪ Total killed using Method 2 only	-					
▪ Total killed using Method 3 only	-					
▪ Total needing secondary harpoon or other secondary killing method	-					
▪ If bullets used						
○ minimum number	1		1		1	
○ maximum number	3				3	
○ median number						
Time to unconsciousness/death (TTD)*						
▪ Total for which information recorded	7		1		8	
▪ Total estimated TTD to be instant	7		1		5	
▪ Maximum estimated TTD	instant				3 mins	
▪ Mean time to TTD	-					
▪ Median Time to TTD	-					
Other information						
▪ Total targeted and missed	Nil					
▪ Total struck and lost	Nil					

***NB Resolution 1999-1 asks for TTD information for each whale not killed instantly. This can be provided via Table 4 below.**

Other: Any other relevant information e.g. with information on technical assistance given to other fisheries or with respect to new studies to (a) improve methods and TTD, (b) develop new criteria for TTD:

Table 4: Reporting of data on individual whales killed

Whale:	Species	Killing method(s) used	Time to Death ¹	Samples taken
1.	Pygmy sperm	3 rifle shots to base of skull/top vertebrae. Autopsied and vertebrae were shattered.	instant	Skin for DNA, stomach and digestive tract for dietary study AUT.
2.	Pygmy sperm	3 rifle shots to base of skull/top vertebrae. Autopsied and vertebrae were shattered.	instant	Skin for DNA, stomach and digestive tract for dietary study AUT.
3.	Pygmy sperm	Shot with 30-06 calibre rifle at close range	instant	DNA samples to Auckland University
4.	Pygmy sperm	Shot with 30-06 calibre rifle at close range	instant	DNA samples to Auckland University
5.	Pygmy sperm	Shot with 30-06 calibre rifle at close range	instant	DNA samples to Auckland University
6.	Pygmy sperm	Shot with 30-06 calibre rifle at close range	instant	DNA samples to Auckland University
7.	Pygmy sperm	Shot with 30-06 calibre rifle at close range	instant	DNA samples to Auckland University
8.	Gray's beaked	Shot at very close range with 44 magnum - 1 bullet (285 grain Magnum load) to the brain	instant	Skin for DNA, stomach and digestive tract for dietary study AUT.
9.	Pilot whale	Shot with .308 calibre rifle at close range.	instant	DNA samples to Auckland University
10.	Pilot whale	Shot with .308 calibre rifle at close range.	instant	DNA samples to Auckland University
11.	Pilot whale	Shot with .308 calibre rifle at close range.	instant	DNA samples to Auckland University
12.	Pilot whale	Shot with .308 calibre rifle at close range.	instant	DNA samples to Auckland University
13.	Pilot whale	Shot with .308 calibre rifle at close range.	instant	DNA samples to Auckland University
14.	Pilot whale	Shot with .308 calibre rifle at close range	1-2 mins Dark, animal half buried in sand, and hard to get right angle, shot twice	DNA samples to Auckland University
15.	Pilot whale	Shot with .308 calibre rifle at close range	1-2 mins Dark, animal half buried in sand, and hard to get right angle, shot twice	DNA samples to Auckland University
16.	Pilot whale	Shot with .308 calibre rifle at close range	2-3 mins Dark, animal half buried in sand, and hard to get right angle, shot twice	DNA samples to Auckland University

¹ Resolution 1999-1 encouraged reporting of time to death for each animal not killed instantly