

Summary of Activities Related to the Action Plan on Whale Killing Methods (based on Resolution 1999-1)

(Submitted by New Zealand)

Contracting Government	NEW ZEALAND
Season	April 2009 - March 2010
Area	New Zealand coastline
Fishery type (e.g. commercial, aboriginal subsistence, scientific permit)	Euthanasia of stranded animals beyond 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, 30-06 calibre	Primary
1	Rifle, .303 calibre	Primary
1	Rifle, .270 calibre	Primary
1	Rifle, 223 calibre	Primary
1	Rifle, .308 calibre	Primary
1	Rifle, .357 calibre	Primary
1	Rifle, .44 Magnum	Primary

Summary of criteria used to indicate unconsciousness and death:

No movement following muscle shudder at time of shooting
No respiration
No reaction when eyeball was touched

Table 2: Summary of information providers:

Percentage of data provided by:	
▪ inspectors	
▪ scientists	
▪ hunters	
▪ other (please specify)	Conservation officers (100%)

Table 3: Summary of hunt:

Item	Species 1 <i>[insert name]</i>		Species 2 <i>[insert name]</i>		Species 3 <i>[insert name]</i>	
	Pilot whale		Minke whale		Other	
	No.	%	No.	%	No.	%
Whale killing methods						
▪ Total no. killed (all methods summed)	49	91%	2	4%	3	5%
▪ Total killed using Method 1 only	49		2		3	
▪ Total killed using Method 2 only	nil	nil	nil	nil	nil	nil
▪ Total killed using Method 3 only	nil	nil	nil	nil	nil	nil
▪ Total needing secondary harpoon or other secondary killing method	nil	nil	nil	nil	nil	nil
▪ If bullets used						
○ minimum number	1					
○ maximum number	3					
○ median number	1					
Time to unconsciousness/death (TTD)*						
▪ Total for which information recorded	49		2		3	
▪ Total estimated TTD to be instant	46		1		3	
▪ Maximum estimated TTD	20 secs		20 secs		instant	
▪ Mean time to TTD						
▪ Median Time to TTD						
Other information						
▪ Total targeted and missed	nil		nil		nil	
▪ Total struck and lost	n/a		n/a		n/a	

***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.	Bottlenose dolphin	.357 rifle	Instant	SOP samples, whole carcass to Massey
2.	Antarctic Minke	.270 rifle, 3 shots	Less than 20 seconds	Skin DNA sample
3.	Gray's Beaked	.44 magnum	Instant	Yes, necropsy sent to Massey
4.	Minke whale	.308 rifle, 1 shot	Instant	DNA sample
5.	Dusky dolphin	.223 cal, 3 shots	Instant	Samples taken
6-35 (30)	Pilot whale	.30-06 rifle, most 1 bullet, 3 required 2-3 bullets	Mostly instant – 3 were up to 20 seconds	10 skin samples were collected for Auckland Uni
36-55 (19)	Pilot whale	.303 rifle	Instant ²	Teeth, skin, blubber, muscle, liver, kidney, stomach contents and reproductive organs.

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

² These whales had been stranded for at least two tides and were in poor shape