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

Please note that completion of this form is not compulsory but it will greatly aid the discussions at the forthcoming Working Group Meeting. The Secretariat would be grateful if you can complete this form as fully as possible, preferably electronically and return it to [Secretariat@iwcoffice.org](mailto:Secretariat@iwcoffice.org) by 10 May 2011.

<b>Contracting Government</b>	<b>NEW ZEALAND</b>
<b>Season</b>	<b>April 2010 - March 2011</b>
<b>Area</b>	<b>New Zealand coastline</b>
<b>Fishery type (e.g. commercial, aboriginal subsistence, scientific permit)</b>	<b>Euthanasia of stranded animals beyond hope of rescue</b>

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

<b>Method No.</b>	<b>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.</b>	<b>Used as: (state whether primary killing method, secondary, or both)</b>
<b>1</b>	<b>Rifle, 30-06 calibre</b>	<b>Primary</b>
<b>2</b>	<b>Rifle, .303 calibre</b>	<b>Primary</b>

**Summary of criteria used to indicate unconsciousness and death:**

- (a) complete dilation of the pupils;
- (b) onset of unprovoked agonal convulsions (violent uncoordinated thrashing);
- (c) absence of palpebral (closure of eyelid when corner of eyelid touched) and corneal (closure of eyelid if eye touched) reflexes;
- (d) slack lower jaw.

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>Long-finned pilot whale</i>		Species 2 <i>Dwarf minke whale</i>		Species 3 <i>Pygmy sperm whale</i>	
	No.	%	No.	%	No.	%
<b>Whale killing methods</b>						
▪ Total no. killed (all methods summed)	96		1		1	
▪ Total killed using Method 1 only	48		1			
▪ Total killed using Method 2 only	48				1	
▪ Total killed using Method 3 only						
▪ Total needing secondary harpoon or other secondary killing method						
▪ If bullets used						
○ minimum number	1		3#		1	
○ maximum number	1		3		1	
○ median number	1		3		1	
<b>Time to unconsciousness/death (TTD)*</b>						
▪ Total for which information recorded	96		1		1	
▪ Total estimated TTD to be instant	96		1		1	
▪ Maximum estimated TTD						
▪ Mean time to TTD						
▪ Median Time to TTD						
<b>Other information</b>						
▪ Total targeted and missed						
▪ Total struck and lost						

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

# Conservation officers thought the animal died instantly but were following standard operational protocol in using 3 shots .

**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 <sup>1</sup>	Samples taken
1	Pygmy sperm whale	.303 rifle, 150gm soft point bullet	Instant	Yes, skin sample
2	Dwarf minke whale	30-06 calibre rifle (3 shots fired, agonal reflex on first shot)	Instant	Yes, skin sample
3	Long-finned pilot whale	30-06 calibre rifle	Instant	Yes, skin sample
4	Long-finned pilot whale	30-06 calibre rifle (2 shots fired, no sign of distress)	Instant	Yes, skin sample
5-14 (10 animals)	Long-finned pilot whale	30-06 calibre rifle	Instant	Yes, skin samples
15-18 (4 animals)	Long-finned pilot whale	30-06 calibre rifle	Instant	Yes, skin samples
19-50 (32 animals)	Long-finned pilot whale	30-06 calibre rifle	Instant	Yes, skin samples, and necropsy performed on one animal
51-98 (48 animals)	Long-finned pilot whale	.303 calibre rifle	Instant	Yes, skin samples (additional samples collected by Auckland University)

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