

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

<b>Contracting Government</b>	United Kingdom
<b>Season</b>	2018-2023
<b>Area</b>	United Kingdom
<b>Fishery type (e.g. commercial, aboriginal subsistence, scientific permit)</b>	Euthanasia of live strandings or entanglements

**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>	Physical- see accompanying information	As regionally appropriate
<b>2</b>	Chemical- see accompanying information	As regionally appropriate
<b>3</b>		

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

*[Include brief description here]*

**Table 2: Summary of information providers:**

<b>Percentage of data provided by:</b>	
?	<b>inspectors</b>
?	<b>scientists</b>
?	<b>hunters</b>
?	<b>other (please specify)</b>

**Table 3: Summary of hunt: [NOT APPLICABLE TO THE UK- no hunting]**

Item	Species 1 [insert name]		Species 2 [insert name]		Species 3 [insert name]	
	No.	%	No.	%	No.	%
<b>Whale killing methods</b>						
<input type="checkbox"/> Total no. killed (all methods summed)						
<input type="checkbox"/> Total killed using Method 1 only						
<input type="checkbox"/> Total killed using Method 2 only						
<input type="checkbox"/> Total killed using Method 3 only						
<input type="checkbox"/> Total needing secondary harpoon or other secondary killing method						
<input type="checkbox"/> If bullets used						
o minimum number						
o maximum number						
o median number						
<b>Time to unconsciousness/death (TTD)*</b>						
<input type="checkbox"/> Total for which information recorded						
<input type="checkbox"/> Total estimated TTD to be instant						
<input type="checkbox"/> Maximum estimated TTD						
<input type="checkbox"/> Mean time to TTD						
<input type="checkbox"/> Median Time to TTD						
<b>Other information</b>						
<input type="checkbox"/> Total targeted and missed						
<input type="checkbox"/> 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.***

**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	Date	Killing method(s) used	Time to Death <sup>1</sup>	Samples taken
1.	Harbour porpoise	11/07/18	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
2.	Harbour porpoise	29/07/18	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)
3.	White-beaked dolphin	11/09/18	<b>Chemical-</b> intraperitoneal barbiturate (no information on volume)	N/A	Various- samples collected by the UK strandings programmes (SMASS)
4.	Harbour porpoise	18/10/18	<b>Chemical-</b> intravenous euthatal ventral tail fluke (no information on volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
5.	Long-finned pilot whale	04/12/18	<b>Physical-</b> shot through heart; no ballistics information	N/A	Various- samples collected by the UK strandings programmes (SMASS)
6.	Short-beaked common dolphin	21/12/18	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)
7.	Harbour porpoise	03/01/19	<b>Physical-</b> euthanised by a shot to the head; no ballistics information	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
8.	Short-beaked common dolphin	09/01/19	<b>Chemical-</b> intravenous phenobarbital into tail fluke vein (120ml volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
9	Short-beaked common dolphin	27/02/19	<b>Chemical-</b> intravenous phenobarbital into tail fluke vein (no information on volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
10.	Short-beaked common dolphin	30/06/19	<b>Chemical-</b> intravenous barbiturate into tail fluke vein (60ml volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
11.	Harbour porpoise	07/09/19	<b>Chemical-</b> intravenous pentobarbital into tail fluke vein (20ml volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)

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

12.	Sowerby's beaked whale	17/09/19	<b>Chemical-</b> intra thoracic pentobarbital (200ml volume)	N/A	Various- samples collected by the UK strandings programmes (SMASS)
13.	Sowerby's beaked whale	17/09/19	<b>Chemical-</b> intra cardiac pentobarbital (150ml volume)	N/A	Various- samples collected by the UK strandings programmes (SMASS)
14.	Short-beaked common dolphin	08/11/19	<b>Chemical-</b> intra cardiac pentobarbital (90ml volume)	N/A	Various- samples collected by the UK strandings programmes (SMASS)
15.	Short-beaked common dolphin	04/12/19	<b>Physical-</b> .357 pistol with .38 ammunition, shot at 45° angle into head through blowhole	Likely instantaneous	Various- samples collected by the UK strandings programmes (CSIP)
16.	Harbour porpoise	26/12/19	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)
17.	White-beaked dolphin	06/02/20	<b>Chemical-</b> pentoject (40ml volume, no information on injection site)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
18.	Minke whale	15/03/20	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
19.	Short-beaked common dolphin	17/03/20	<b>Physical-</b> .357 pistol with .38 ammunition, shot at 45° angle into head through blowhole	Likely instantaneous	Various- samples collected by the UK strandings programmes (CSIP)
20.	Long-finned pilot whale	12/06/20	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
21.	Short-beaked common dolphin	25/07/20	<b>Physical-</b> .357 pistol with .38 ammunition, shot at 45° angle into head through blowhole	Likely instantaneous	Various- samples collected by the UK strandings programmes (CSIP)
22.	Bottlenose dolphin	26/07/20	<b>Chemical-</b> intraperitoneal dolethal (190ml volume)	1-2 minutes	Various- samples collected by the UK strandings programmes (CSIP)
23.	Short-beaked common dolphin	15/09/20	<b>Chemical-</b> intravenous pentobarbital into tail fluke vein (20ml volume); intraperitoneal (50mls volume); intra blowhole (20mls volume)	3-5 minutes	Various- samples collected by the UK strandings programmes (CSIP)
24.	Harbour porpoise	22/10/20	<b>Chemical-</b> intravenous dolethal into tail vein (no information on volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
25.	Harbour porpoise	01/12/20	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)

26.	Long-finned pilot whale	01/12/20	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
27.	Short-beaked common dolphin	21/01/21	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)
28.	Short-beaked common dolphin	13/02/21	<b>Chemical-</b> intravenous tail fluke (no information on drug or volume)	N/A	Various- samples collected by the UK strandings programmes (SMASS)
29.	Minke whale	24/04/21	<b>Physical-</b> no information on shooting/ballistics	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
30.	Minke whale	09/05/21	<b>Chemical-</b> intraperitoneal Somulose (100mls volume)	5-10 minutes	Various- samples collected by the UK strandings programmes (CSIP)
31.	Harbour porpoise	04/07/21	<b>Physical-</b> no information on shooting/ballistics	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
32.	Harbour porpoise	26/08/21	<b>Chemical-</b> phenobarbital (no information on injection site or volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
33.	Harbour porpoise	20/03/22	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
34.	Minke whale	04/04/22	<b>Chemical-</b> no information on injection site, chemical or dosage	N/A	Various- samples collected by the UK strandings programmes (CSIP)
35.	Striped dolphin	29/04/22	<b>Chemical-</b> metotomidine (2mls) and torbogesic IV (4mls) as sedative. Pentobarbitone (180ml volume) to euthanise. All intravenous tail fluke	~5 minutes	Various- samples collected by the UK strandings programmes (CSIP)
36.	Short-beaked common dolphin	07/05/22	<b>Physical-</b> shot using a 270 rifle, 130 grain bullet	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
37.	Harbour porpoise	01/06/22	<b>Chemical-</b> intravenous pentojet iv tail fluke (8mls volume); followed by intraperitoneal pentojet iv (12mls volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
38.	Sowerby's beaked whale	09/08/22	<b>Physical-</b> silenced 308 rifle with hollow point ammunition	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)

39.	Harbour porpoise	07/03/23	<b>Physical</b> - no information on shooting/ballistics	Likely instantaneous	Various- samples collected by the UK strandings programmes (CSIP)
40.	Short-beaked common dolphin	18/03/23	<b>Chemical</b> - intravenous somulose iv tail vein (25ml volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
41.	Short-beaked common dolphin	28/03/23	<b>Chemical</b> - intravenous pentobarbitone tail vein (40ml volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
42.	Harbour porpoise	12/04/23	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
43.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
44.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
45.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
46.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
47.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
48.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
49.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
50.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)

51.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
52.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
53.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
54.	Long-finned pilot whale	16/07/23	<b>Physical</b> - no information on shooting/ballistics. Part of a mass stranding	Likely instantaneous	Various- samples collected by the UK strandings programmes (SMASS)
55.	Harbour porpoise	19/07/23	<b>Chemical</b> - no details available	N/A	Various- samples collected by the UK strandings programmes (CSIP)
56.	Harbour porpoise	21/08/23	<b>Chemical</b> - intravenous pentobarbitone tail vein (no volume given)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
57.	Short-beaked common dolphin	27/08/23	<b>Chemical</b> - initial intramuscular midazolam to sedate/calm animal. Intravenous pentobarbitone tail vein to euthanise (20ml volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
58.	Short-beaked common dolphin	02/09/23	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)
59.	Short-beaked common dolphin	18/09/23	<b>Chemical</b> - initial intramuscular domesedan to sedate (0.5mls volume). Intravenous pentobarbitone tail vein to euthanise (25mls volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
60.	Short-beaked common dolphin	18/09/23	<b>Chemical</b> - initial intramuscular midazolam to sedate. Intravenous pentobarbital IV tail vein to euthanise (70mls volume)	<1 minute	Various- samples collected by the UK strandings programmes (CSIP)
61.	Short-beaked	05/10/23	<b>Chemical</b> - initial sedation with 3ml of	N/A	Various- samples collected by the UK strandings programmes (SMASS)

	common dolphin		midazolam (3ml). Euthanised with pentoject (120ml)		
62.	Bottlenose dolphin	20/10/23	Unknown	N/A	Various- samples collected by the UK strandings programmes (SMASS)
63.	Harbour porpoise	29/10/23	<b>Chemical-</b> initial sedation with acepromazine, then euthanised with pentobarbital (no information on injection site or volume)	N/A	Various- samples collected by the UK strandings programmes (CSIP)
64.	Short-beaked common dolphin	31/10/23	Unknown	N/A	Various- samples collected by the UK strandings programmes (CSIP)

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