

SMASS Database

A very brief and very quick overview



SMASS
Scottish Marine Animal
Stranding Scheme



University
of Glasgow

SMASS Data – the story so far

- Strandings in Scotland since 1992
- Baseline + Necropsy Data entry into UK wide CSIP
 - Plus some extras
- Separation of schemes requirement for database development
 - Glasgow University Software Services (GUSS)
- Development & user journey
 - Considerations for discussions later this morning

- Opportunistic surveillance

- Phone
- WhatsApp/Text
- Email
- Social media (Facebook/Twitter)
- Beachtrack App



- Triage

- Subset necropsy
- Sample/measured by trained volunteers
- Data point – no action



- Minimum; what, where, when

- Photographs!!

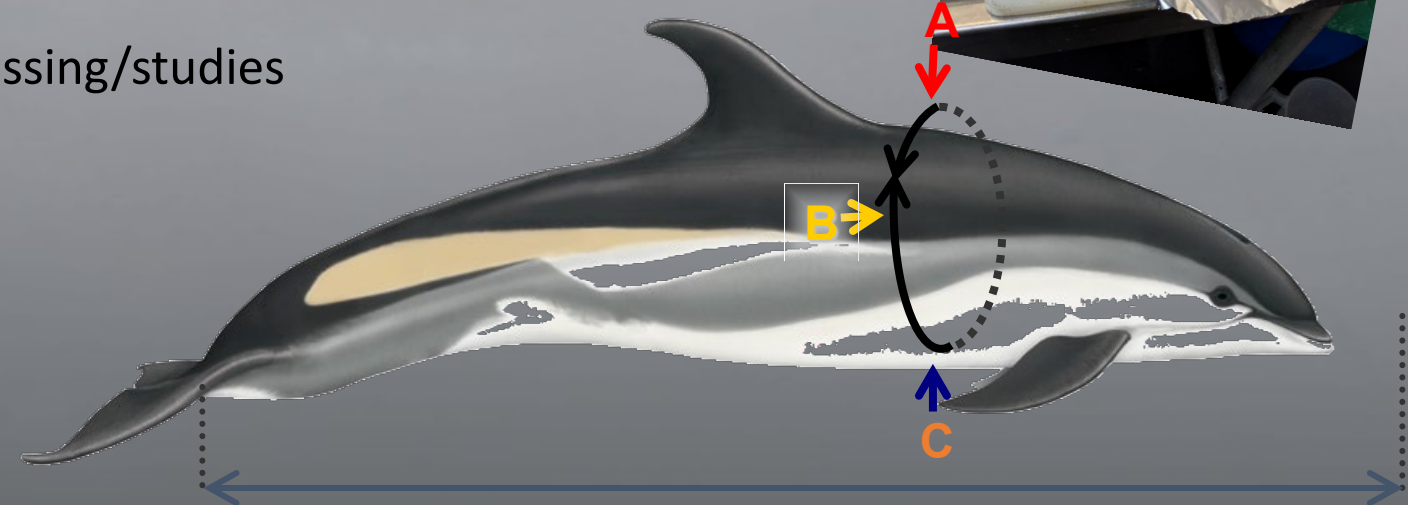
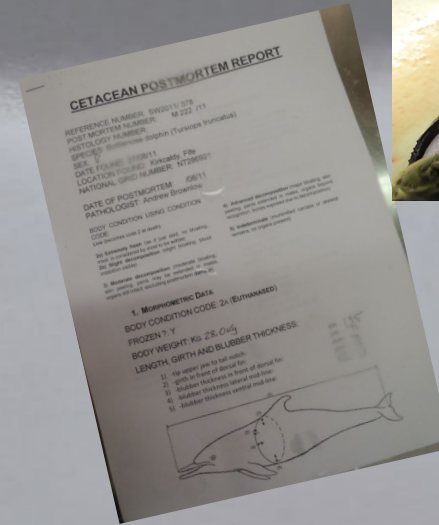
- Maximise information

- Sex, measurements, etc - photographs
- Volunteer network



Necropsy & Sampled cases

- Generates additional data + samples
 - Nutritional condition & blubber thickness
 - Morphometric data (weight, length, girth)
 - Gross pathology on all organ systems
- Samples
 - Cause of death (histo & bact)
 - Life history (age&maturity, stomach contents)
 - Specific research projects
 - Routine suite of tissues for later processing/studies



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SMASS Database

The screenshot displays the SMASS Master Overview database interface. The main window shows a large table of marine mammal sightings, with columns for Date, Location, Species, Status, National Reference Number, Sex, Length, Weight, Age Group, Comments, and various flags. A detailed entry form is overlaid on the right side, showing fields for Basic Information (Status, National Reference Number, Species, Location), Sampling Data (Verified, SW12345678), Ancillary Test Data, Reporter Details, Attached Images, Date Found (12/09/23), Local authority (Glasgow), and buttons for Save and Exit.

Date	Location	Species	Status	National Reference Number	Sex	Length	Weight	Age Group	Comments
1925	Earn Side Of South Fenside	Orkney	Orkney	ND 4759191741	U	NA	TRUE	FALSE	destranded
1928	Inlet Nr Marbank, Telfer Vae	Shetland	Shetland	HU 42833 75499	U	NA	TRUE	FALSE	Unknown
1928	Ardere In Loch Seafarbh, Lo	Western Isles	Western Isles	NB 21436 06634	U	NA	TRUE	FALSE	Unknown
1943	Sth Uist	Western Isles	Western Isles	NF 75400 38900	U	NA	TRUE	FALSE	Unknown
1945	Cullinst Beach, W Side Of U	Shetland	Shetland	HP 56324 15518	U	NA	TRUE	FALSE	Unknown
1949	Trean	South Arzrh	Strathclyde	NS 31745 29810	U	NA	TRUE	FALSE	Unknown
1951	Girvan	NA	Strathclyde	NH 17934 99200	U	NA	TRUE	FALSE	Unknown
1952	Mt Stear, Lachinnor By Laird	Highland	Highland	NO 03000 28000	U	NA	TRUE	FALSE	Unknown
1952	Island Of Kerrera (Pleatid) NA	Strathclyde	Strathclyde	NM 79765 23675	U	NA	TRUE	FALSE	Unknown
1956	Beach At Meil Burrello	Shetland	Shetland	HU 36978 31337	U	NA	TRUE	FALSE	Unknown
1957	Maniofith Sandr	NA	Tyrride	NO 50971 31688	U	NA	TRUE	FALSE	Unknown
1957	Beach Shm Of Anbraeth	NA	Tyrride	NO 67388 43071	U	NA	TRUE	FALSE	Unknown
1959	Shars Of Tha Salusg Farth	Dumfriesshire and Galloway	Dumfriesshire and Galloway	HU 22550 46511	U	NA	TRUE	FALSE	Unknown
1961	Dummore	NA	Strathclyde	NS 25634 16714	U	NA	TRUE	FALSE	Unknown
1962	Balahare Island, Off North U	Western Isles	Western Isles	NF 77925 60921	U	NA	TRUE	FALSE	Unknown
1963	Lach Baga, Craignish Penins	NA	Strathclyde	NM 76865 01212	U	NA	TRUE	FALSE	Unknown
1973	Leith Harbour - Onboard AV	NA	Lethian	NT 27500 77100	U	NA	TRUE	FALSE	Unknown
1976	Ma Jura	Argyll And B	Strathclyde	NR 61967 95467	U	NA	TRUE	FALSE	Unknown
1980	On Shore Of Loch Of Skennel	Orkney	Orkney	HU 27397 11671	U	NA	TRUE	FALSE	Unknown
1983	Warhead Ardere On Renirk P	Western Isles	Western Isles	NG 04477 81749	U	NA	TRUE	FALSE	Unknown
1983	Drimale	Western Isles	Western Isles	NF 74000 37000	U	NA	TRUE	FALSE	Unknown
1983	Lach Craighn	NA	Strathclyde	NM 74731 10236	U	NA	TRUE	FALSE	Unknown
1984	Warhead Ardere On Rhenirk P	Western Isles	Western Isles	NG 04400 82700	U	NA	TRUE	FALSE	Unknown
1984	Granten Beach, E Linburgh	NA	Lethian	NT 24233 77200	U	NA	TRUE	FALSE	Unknown
1985	South Glendole, South Uist	Western Isles	Western Isles	NF 74000 14000	U	NA	TRUE	FALSE	Unknown
1985	Halm Of Seachness, Orkney	Orkney	Orkney	HU 45727 31072	U	NA	TRUE	FALSE	Unknown
1985	Halm Of Seachness, Orkney	Orkney	Orkney	HU 45727 31072	U	NA	TRUE	FALSE	Unknown
1989	Scarp Beach, Harris	Western Isles	Western Isles	NA 95039 15248	U	NA	TRUE	FALSE	Unknown
1989	Kirkwall Mainland	Orkney	Orkney	HU 45000 11400	U	NA	TRUE	FALSE	Unknown
1989	Marv Grind Mainland	Shetland	Shetland	NT 24233 77200	U	NA	TRUE	FALSE	Unknown
1989	Seachurich Beach	Shetland	Shetland	NF 73700 15100	U	NA	TRUE	FALSE	Unknown
1989	Auchencroft West Coast Of N	North Arzrh	Strathclyde	NR 88800 36000	U	NA	TRUE	FALSE	Unknown
1989	Rennick Beach	Shetland	Shetland	HU 37400 18900	U	NA	TRUE	FALSE	Unknown
1989	Craigargatt Beach, Luce Ba	Dumfriesshire and Galloway	Dumfriesshire and Galloway	NU 25900 51200	U	NA	TRUE	FALSE	Unknown
1989	Staverton	North Arzrh	Strathclyde	NS 23400 39200	U	NA	TRUE	FALSE	Unknown
1989	Fretick Bay, Isle Of Bu	Shetland	Shetland	NS 03000 64000	U	NA	TRUE	FALSE	Unknown
1989	Malcolm's Isle Of Lewis	Western Isles	Western Isles	NA 99000 24300	U	NA	TRUE	FALSE	Unknown
1989	Loch Muckle Roe	Shetland	Shetland	HU 34400 65000	U	NA	TRUE	FALSE	Unknown
1989	Braemarich Eriskany	Shetland	Shetland	HU 24600 78700	U	NA	TRUE	FALSE	Unknown
1989	Culruick Mainland	Shetland	Shetland	HU 27300 44300	U	NA	TRUE	FALSE	Unknown
1989	Head Of Burrave Yell	Shetland	Shetland	HU 25000 74700	U	NA	TRUE	FALSE	Unknown
1989	Wardale Mainland	Shetland	Shetland	HU 29200 81000	U	NA	TRUE	FALSE	Unknown
1989	Isle Of Pakay (Broadford)	Highland	Highland	NG 67000 27000	U	NA	TRUE	FALSE	Unknown
1989	Pail Of Wickie South Mainla								

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European Database



- Ecologically relevant scale
- Timely identification of UME's
 - Threats and pressures
- Support harmonisation of data collection
- Promote collaboration



Contents lists available at [ScienceDirect](#)

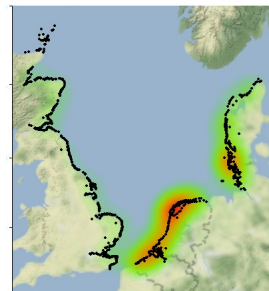
Biological Conservation

journal homepage: www.elsevier.com/locate/biocon



Spatiotemporal mortality and demographic trends in a small cetacean: Strandings to inform conservation management

Lonneke L. IJsseldijk^{a,*,1}, Mariel T.I. ten Doeschate^{a,b,1}, Andrew Brownlow^b, Nicholas J. Davison^b, Rob Deaville^c, Anders Galatius^d, Anita Gilles^e, Jan Haelters^f, Paul D. Jepson^c, Guido O. Keijl^g, Carl Chr. Kinze^h, Morten Tange Olsenⁱ, Ursula Siebert^e, Charlotte Bie Thøstesen^j, Jan van den Broek^k, Andrea Gröne^a, Hans Heesterbeek^k



RESEARCH ARTICLE

Beached bachelors: An extensive study on the largest recorded sperm whale *Physeter macrocephalus* mortality event in the North Sea

Lonneke L. IJsseldijk^{1,*}, Abbo van Neer², Rob Deaville³, Lineke Begeman⁴, Marco van de Bildt⁴, Judith M. A. van den Brand^{1,4}, Andrew Brownlow⁵, Richard Czeck⁶, Willy Dabin⁷, Mariel ten Doeschate⁵, Vanessa Herder⁸, Helena Herr^{2a}, Jooske IJzer¹, Thierry Jauniaux⁹, Lasse Fast Jensen¹⁰, Paul D. Jepson³, Wendy Karen Jo¹¹, Jan Lakemeyer², Kristina Lehnert², Mardik F. Leopold¹², Albert Osterhaus¹¹, Matthew W. Perkins³, Uwe Piatkowski¹³, Ellen Prenger-Berninghoff¹⁴, Ralf Pund¹⁵, Peter Wohlsein⁸, Andrea Gröne¹, Ursula Siebert^{2*}

SCIENTIFIC REPORTS

PCB pollution continues to impact populations of orcas and other dolphins in European waters

Paul D. Jepson¹, Rob Deaville¹, Jonathan L. Barber², Àlex Aguilar³, Asunción Borrell³, Sinéad Murphy¹, Jon Barry², Andrew Brownlow⁴, James Barnett⁵, Simon Berrow⁶, Andrew A. Cunningham¹, Nicholas J. Davison⁴, Mariel ten Doeschate⁴, Ruth Esteban⁷, Marisa Ferreira⁸, Andrew D. Foote⁹, Tilen Genov^{10,11,12}, Joan Giménez¹³, Jan Loveridge¹⁴, Ángela Llavona¹⁵, Vidal Martín¹⁶, David L. Maxwell², Alexandra Papachlimitzou², Rod Penrose¹⁷, Matthew W. Perkins¹, Brian Smith¹⁸, Renaud de Stephanis¹³, Nick Tregenza¹⁴, Philippe Verborgh⁷, Antonio Fernandez¹⁹ & Robin J. Law^{1,2}

Thank you.



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