NOAA Technical Memorandum NMFS

OCTOBER 1987

SUMMARY OF DISTRIBUTION RECORDS OF THE SPINNER DOLPHIN, *Stenella longirostris*, AND THE PANTROPICAL SPOTTED DOLPHIN, *S. attenuata*, FROM THE WESTERN PACIFIC OCEAN, INDIAN OCEAN AND RED SEA

James W. Gilpatrick, Jr.
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Lena Shiroma

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NOAA Technical Memorandum NMFS

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Figure 2. Known distribution of Stenella attenuata in the western Pacific (west of 160°W longitude), Indian Ocean, and Red Sea. Distribution east of 160°W longitude from Perrin et al., 1983 (solid lines = known limit, dotted lines = uncertain limit). Circled numbers are approximate localities: 1, "Madagascar"; 2, "Thailand"; 3, "Taiwan"; 4, "Banda Sea"; 5, "Northern Australian waters"; 6, "Indian Ocean, between Ceylon [Sri Lanka] and equator"; 7, "India"; 8, "Seychelle Islands"; 9, "Arabian Sea"; 10, "Strait of Malacca"; 11, "Between East Cape and Kermadec Islands"; 12, "South China Sea"..... 4

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J.W. GILPATRICK, JR., W.F. PERRIN, S. LEATHERWOOD AND L. SHIROMA

INTRODUCTION

Spinner and pantropical spotted dolphins inhabit tropical and sub-tropical ocean waters worldwide. Their distributions are well described for the eastern Pacific (Perrin et al., 1983) and for the Hawaiian islands (Norris and Dohl, 1980). Distribution records for the western Pacific (west of 160° west longitude), Indian Ocean and Red Sea continue to accumulate slowly. This paper summarizes published and unpublished locality records available through 1986. It is part of an effort (the "Pacific Dolphin Project") to examine dolphin populations in the Central and South Pacific with the aim of determining relationships between these populations and those in the eastern Pacific that are involved in tuna fisheries (Holt, 1985).

MATERIALS AND METHODS

Evaluation of Data

The wide variety of sighting records that we included ranged from highly detailed morphological and behavioral descriptons to, at times, little more than the word "spinner" or "spotter" and a location. We did not edit the records for quality or reliability, but rather took them at face value.

Sources of Unpublished Data

A variety of unpublished documents were consulted. The sources included cruise reports for National Oceanic and Atmospheric Administration (NOAA) research vessels, sighting records taken by marine-mammal observers aboard various seagoing "vessels of opportunity" (see App. Table 1-2), photos and personal correspondences. Appendix 1 is a catalog of the unpublished sources.

Museum Specimens

Museum specimens have been collected from most regions of the study area. Appendix 2 is a summary of museum and other collection specimens for which the localities are included in this summary.

Distribution Database

The data from all the distribution records were transcribed to a "Locality Record" form. The data were then entered into a computerized database ("Dolphin Distribution Database") maintained at the Southwest Fisheries Center (SWFC). As new locality information becomes available, it will be recorded and appended to the database. Appendices 1 and 2 are reports derived from the database.

RESULTS

In the western Pacific and Indian Oceans, the spinner dolphin and pantropical spotted dolphin range from about 37° North latitude to about 35° South latitude (Figs. 1 and 2) in warm waters. Their distributions are more or less continuous from the western Pacific into the Indian Ocean and Red Sea. A pantropical spotted dolphin specimen (USNM550771) found in Alaska represents the only "extralimital record" (Perrin et al., 1987).

Distributional gaps are apparent in open-ocean areas away from land and island groups. This lends support to the notion that both dolphins are usually associated with coastal waters, islands and shoal areas (Norris et al., 1985). An exception is the eastern tropical Pacific, where most populations are oceanic (Perrin et al., 1983). Oceanic sightings do occur in other areas, however, and the distributional gaps, to some extent, may be artifacts of minimal sighting effort in open-ocean areas.

ACKNOWLEDGEMENTS

The authors thank the following people for contributing unpublished data: Robert L. Pitman, John R. Henderson, Jack Grove, Marjorie Y. Crosby, Grant Abel, William H. Dawbin, G. E. Heinsohn, the late Durant Hembree, W. J. Houck, Alan Olson, Toshio Kasuya, P. Lamberson, Didier Marchessaux, Helene Marsh, Senzo Uchida, C. Peters, James G. Mead, and William-Smith Vaniz. Sachiko Tsuji translated Japanese articles into English, Roy Allen produced illustrations and Kathy Shere and Carrie Wilson provided logistic support.

We wish to thank John Carr and John Henderson for their review of this report.

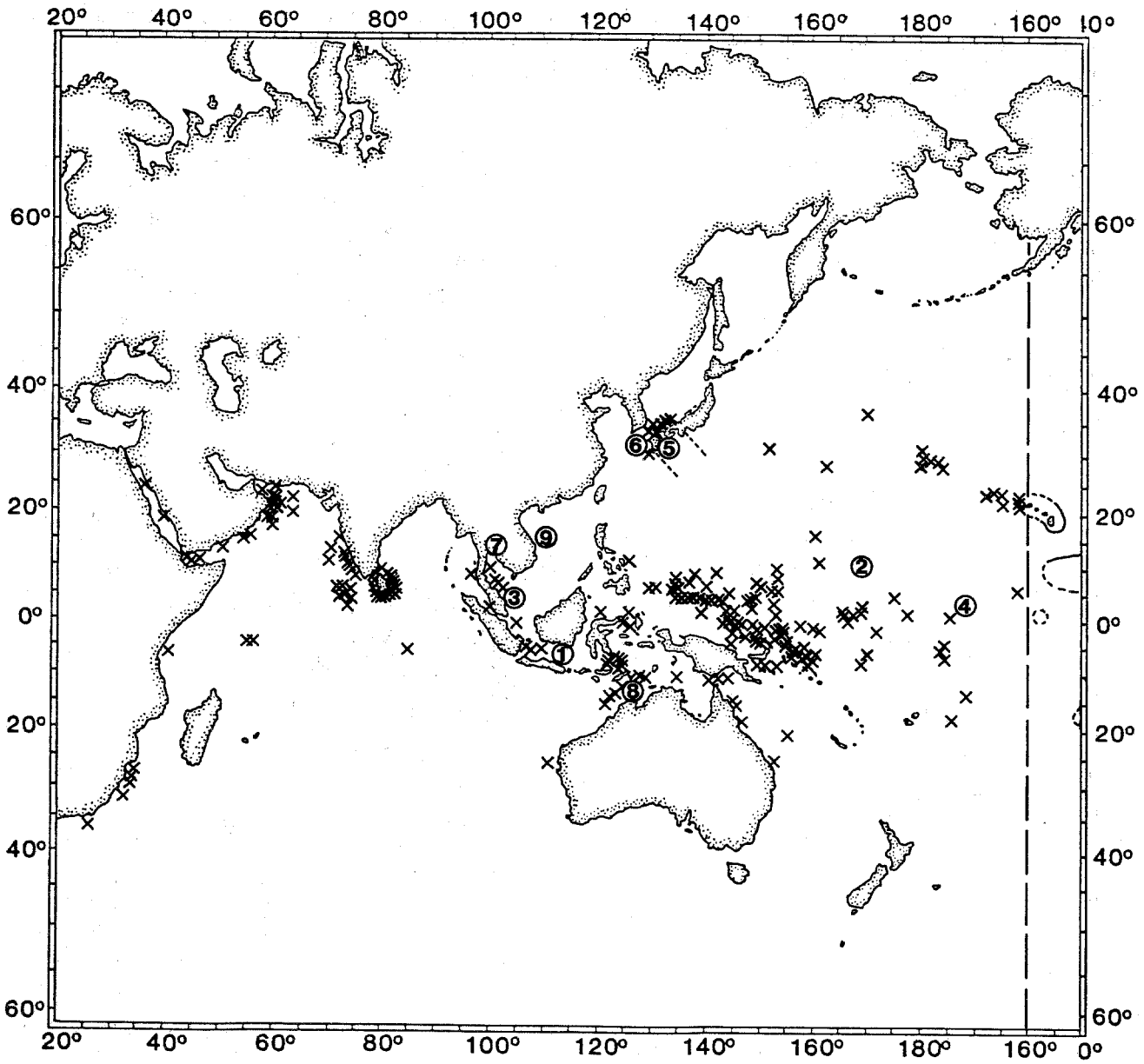

Figure 1. Known distribution of Stenella longirostris in the western Pacific (west of 160°W. longitude), Indian Ocean, and Red Sea. Distribution east of 160°W. longitude from Perrin et al., 1983 (solid lines = known limit, dotted lines = uncertain limit). Circled numbers are approximate localities: 1, "Java Sea"; 2, "Marshall Islands"; 3, "within 70 kms of southeast Malaysian coast"; 4, "between 2°N. to 3°50'N. [and] 162°W. to 168°10'W."; 5, "very rare [from Wakayama to Miyazaki Prefectures]"; 6, "rare [from Fukyoka to Kagoshima Prefectures]"; 7, "Bangkok"; 8, "off Northern Australia"; 9, "South China Sea".

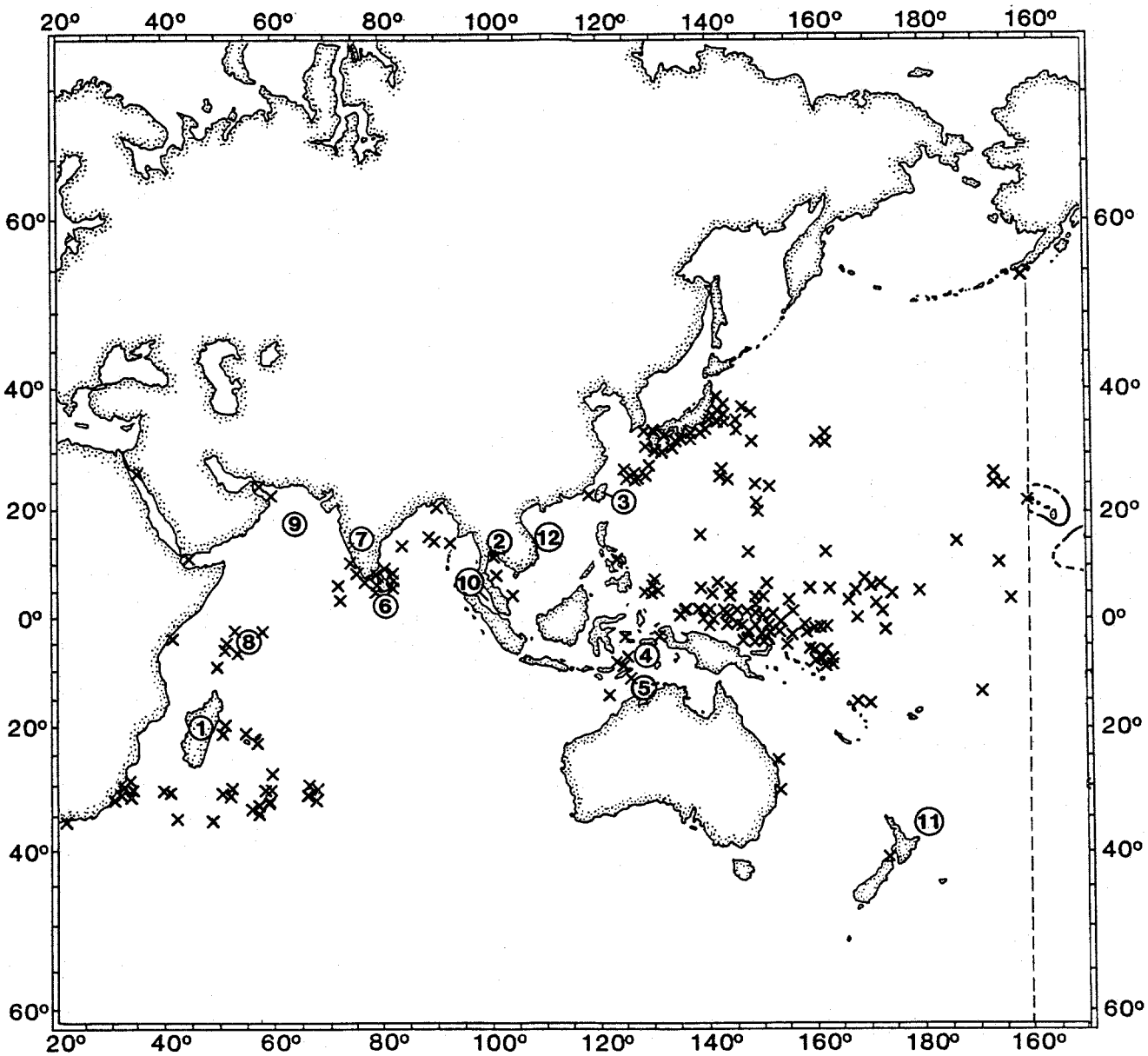

Figure 2. Known distribution of Stenella attenuata in the western Pacific (west of 160°W. longitude), Indian Ocean, and Red Sea. Distribution east of 160°W. longitude from Perrin et al., 1983 (solid lines = known limit, dotted lines = uncertain limit). Circled numbers are approximate localities: 1, "Madagascar"; 2, "Thailand"; 3, "Taiwan"; 4, "Banda Sea"; 5, "Northern Australian Waters"; 6, "Indian Ocean, between Ceylon [Sir Lanka] and equator"; 7, "India"; 8, "Seychelle Islands"; 9, "Arabian Sea"; 10, "Strait of Malacca"; 11, "Between East Cape and Kermadec Islands"; 12, "South China Sea".

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APPENDIX 1. Sources of unpublished records of *Stenella longirostris* and *S. attenuata* from the western Pacific, Indian Ocean and Red Sea.

Appendix Table 1.1 Sightings made aboard NOAA cruises.

Note: NOAA oceanographic research vessels have carried experienced observers to record marine mammal sightings. Crew members have also recorded sightings.

Year	Vessel	Observer	Location	Species sighted
1976	RV *Townsend Cromwell*	crew	09°20'N, 153°35'E	*S. longirostris*
1976	RV *Townsend Cromwell*	crew	03°20'N, 152°55'E	*S. longirostris*
1976	RV *Townsend Cromwell*	crew	06°00'N, 150°50'E	*S. longirostris*
1983	RV *Townsend Cromwell*	crew	36°50'N, 170°59'E	*S. longirostris*
1983	RV *Townsend Cromwell*	crew	"near Tern Island"	*S. longirostris*
1984	RV *Discoverer*	R.L. Pitman	08°24'S, 170°02'W	*S. longirostris*
1984	RV *Discoverer*	R.L. Pitman	07°19'S, 169°58'W	*S. attenuata*

Appendix Table 1.2 Dolphin sightings made aboard "Vessels of opportunity"

Note: An effort, which complements the Pacific Dolphin Project, has been the recording of dolphin sightings by persons aboard private and commercial vessels transiting the western Pacific and Indian Ocean.

Year	Vessel	Observer	Location	Species sighted
1986	MS *Society Explorer*	M.Y. Crosby	New Guinea Vitu Island	*S. longirostris* *S. longirostris*
1986	MS *Society Explorer*	J.S. Grove	New Guinea Vitu Island	*S. longirostris* *S. longirostris*
1986	Local dhow	S.Leatherwood	Kenya	*S. longirostris*
1986	MS *Society Explorer*	R.L. Pitman	Tonga	*S. longirostris*
1986	MS *Society Explorer*	I.O. Stauch	Celebes Sea	*S. longirostris*

Appendix Table 1.3 Distribution records received through personal commmunicatons.

1. Grant Abel of International Oceanaria Development Co., LTD.: photos and personal communication sent to Leatherwood in 1979, features spinner dolphins in the South China Sea.

2. Franklin G. Alverson of Living Marine Resources, Inc., San Diego, CA: letter of October 6, 1981 to Perrin describing dolphin sightings made by Frank Burns aboard the tuna seiner MV Island Princess during July and August. Another letter to Perrin describes dolphin sightings made by Jim Lambert aboard the seiner MV Leilani.

3. William H. Dawbin of the Australian Museum: photos and correspondence to Perrin concerning a spinner dolphin taken at Rabaul, New Britain in August of 1966. Another correspondence, with enclosed photos, show spinner dolphins riding a ship's wake on August 28, 1966 near Madang, New Guinea; another photo shows a spinner dolphin beached at Madang, New Guinea.

4. G. E. Heinsohn, James Cook University, Townsville, Queensland, Australia: photos of a stranded spinner dolphin from Cairns, Queensland, Australia sent to Perrin, photos taken September 21, 1971.

5. Durant Hembree, Dept. of Ports and Fisheries, Darwin, Australia: letter of August 19, 1985 to Gilpatrick describing spotted, spinner and bottlenose dolphins incidentally killed in the Taiwanese gill net fishery off northwestern Australia during the fall of 1984.

6. John R. Henderson, National Marine Fisheries Service (NMFS), SWFC, Honolulu, Hawaii: personal communication to Gilpatrick in March of 1987, described "resident schools" of spinner dolphins at Kure Atoll and at Pearl and Hermes Reef in the Hawaiian Islands.

7. W.J. Houck, California State University, Humboldt: letter and photo of a spinner dolphin from the Marshall Islands sent to Perrin in 1977.

8. Toshio Kasuya, Far Seas Fisheries Research Laboratory, Japan: letter of September 17, 1986, addressed to Perrin, listing sightings (made by Kasuya) of striped and spotted dolphins off Japan.

9. P. Lamberson: photos sent to Perrin in 1976 showing dead stranded and free swimming spinner dolphins at Enewetak Atoll.

10. Didier Marchessaux, Université de Provence Centre de Sainte-Jerome, France: letter of April 25, 1980 to Perrin;

enclosed photos show spotted dolphins at New Hebrides Islands.

11. Helene Marsh, James Cook University of North Queensland, Australia: letter of January 15, 1986 and photo of spinner dolphins sent to Perrin; photo depicts spinner dolphins "bow-riding in the Swain Reef complex of the Southern Great Barrier Reef", photo was taken on November 27, 1985. Another letter with enclosed photos dated September 23, 1986 show spinner dolphins at Raine Island, Pandora Cay and Piper Island of the Great Barrier Reef; also noted is the live capture of spinner dolphins from Michaelmas Cay-Reef.

12. Alan Olson, NMFS, Tuna/Porpoise Mgmt. Branch, San Diego, California: described to Gilpatrick a sighting of a school of spinner dolphins (15 to 20) at Fagasa Bay, Pago Pago on June 4, 1986.

13. C. Peters; photos sent to Leatherwood depict spotted dolphins from Male Atoll, Maldive Islands, Indian Ocean.

14. Senzo Uchida, Okinawa Expo Aquarium, Japan: letter of February 11, 1980 to Perrin; photo enclosed shows a spotted dolphin which was taken to the aquarium "by a fisherman when (the dolphin) half-stranded at night" near Okinawa during a typhoon in September of 1979.

15. William-Smith Vaniz photographed a spinner dolphin from Yala, Sri Lanka on February 3, 1970. The photo was given to James G. Mead of the Smithsonian Institution who then forwarded the photo to Perrin.

16. Peter J. H. van Bree, Institut voor Taxonomische Zoologie - Zoologisch Museum, Amsterdam, Netherlands: letter of September 23, 1986 to Perrin containing museum (ZMA) specimen data on spinner dolphins collected from Oman area.

Appendix Table 1-4. Unpublished reports containing distribution records.

Alling, A. 1983. A preliminary report of marine mammal fisheries in Djibouti, Oman and Sri Lanka. Nat. Aquatic Resources Agency/SMMIO, 7 p.

Alling, A. 1985. Incidental records of small cetaceans in the northern Indian Ocean (1981-1982) and Sri Lanka (1982-1984). Int. Whaling Comm. [meeting document] SC/37/SM4, 8 p.

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APPENDIX 2. Museum specimens of *Stenella longirostris* and *S. attenuata* from the western Pacific, Indian ocean and Red sea.

Appendix Table 2-1. *S. longirostris*.

Museum	Locality	Specimen number	Cited in:
National Science Museum, Tokyo	Thailand:	NSM24971-NSM24978, NSM24851	Miyazaki (1986)
	Japan:	NSM24800, NSM05100	
	Caroline Islands:	NSM25376, NSM24932	
	Admirality Islands:	NM25373	
	Solomon Islands:	NSM24928-NSM24931, NSM24933, NSM24934	
Songkhla Fishing Station, Thailand		(2 taxidermic specimens)	Pilleri and Gihr (1973-1974)
U.S. National Museum of Natural History Wash., D.C.	Indonesia:	USNM049661	Leatherwood (1985)
	Arabian Sea:	STR02215	
	Sri Lanka:	STR02661	
Museum Zoologicum Bogoriense, Bogor, Java	Java:	MZB398	Leatherwood (1985)
Museum National d' Histoire Naturelle, Paris	Mollucca Sea:	Gal.Zool.19 A-3026, A-3027	Leatherwood (1985) True (1889)
	Indian Ocean: Djibouti:	[MS 894, MNHN] MNHN-1981-159	Arvy (1972) Robineau and Rose (1983)
NARA Museum, Sri Lanka	Indian Ocean:	NARA #a	Leatherwood (1985)

Appendix Table 2-1. S. longirostris (continued).

Museum	Locality	Specimen number	Cited in:
Universitets Zoologiske Museum Copenhagen, Denmark	Australia:	UZMC-CN17	
Buitenzorg Museum	Indian Ocean:	399	Leatherwood (1985)
Colombo Museum, Sri Lanka	Sri Lanka:	92-D, 92-E	Leatherwood (1985)
Museum of the College of Surgeons, Sri Lanka	Sri Lanka:	(1 skull)	Leatherwood (1985)
British Museum (Natural History), London	Oman:	BMNH1980.873, BMNH1980.872, BMNH1980.791	
	Maldives:	BMNH1959.7.9.1 BMNH1959.7.9.3 BMNH1959.7.9.4 BMNH1959.7.9.5 BMNH1959.7.9.6	
Field Museum of Natural History, Chicago	Sri Lanka:	FM095044-FM095048	Leatherwood (1985)
	Red Sea:	FM105019	
South African Museum, Cape Town, S.A.	South Africa:	SAM37129	Ross (1984)
Port Elizabeth Museum, South Africa	South Africa:	PEM-N778, PEM 1520/31	Leatherwood (1985) Ross (1984)
Rjiksmuseum van Natuurlijke Historie, Leiden, Netherlands	South Africa:	RMNH21.723	Ross (1984)

Appendix Table 2-2. *Stenella attenuata*.

Museum	Locality	Specimen number	Cited in:
Zoological Museum of Amsterdam, Netherlands	Oman:	ZMA 20.317, ZMA 20.320, ZMA 20.724, ZMA 21.443	
University of Dar es Salaam, Tanzania	Tanzania:	UDSM-M-181	Leatherwood (1985)
U.S. National Museum of Natural History Wash., D.C.	Cold Bay, Alaska:	USNM550771	Perrin et al. (1987)
	Strait of Malacca:	USNM49873 USNM49633	Leatherwood and Clark (1983)
	Johanna Island:	USNM36048	True (1894)
	Providence Island:	USNM36051	
	Alphonse Island:	USNM36131	
	Amirantes Islands:	USNM36049, USNM36050	
Nanjing Normal University, People's Republic of China	South China Sea:	NJNU7803, NJNU7804	Zhou et al. (1980)
College of Fisheries Bangkok, Thailand	Thailand:	(no number)	Pilleri and Gihr (1973-74)
Songkhla Fishing Station, Thailand	Thailand:	(taxidermic specimen)	Pilleri and Gihr (1973-74)

Appendix Table 2-2. Stenella attenuata (continued).

Museum	Locality	Specimen number	Cited in:
Australian Museum Sydney, Australia	Solomon Islands:	WHD-278, WHD-289, WHD-440, WHD-444, WHD-451, WHD-452, WHD-456, WHD-459, AMM12360-AMM12364, AMM12366-AMM12382, AMM12386-AMM12397, AMM12384	
National Science Museum, Tokyo	Japan:	NSM24624-NSM24626 NSM05101, NSM24823, NSM24845-NSM24849, NSM25105-NSM25154, NSM25223, NSM25227, NSM25228, NSM26399	Miyazaki (1986)
		TKO102-TKO104	Perrin et al. (1987)
	Northwest Pacific:	NSM26402, NSM25231 NSM26399,	Miyazaki (1986)
	Indonesia:	NSM25371	
	Caroline Islands:	NSM25374, NSM25375 NSM25377	
	Solomon Islands:	NSM24924-NSM24927	
	Thailand:	NSM24852	
	West Pacific:	NSM23655	
Queensland Museum, Australia	Gold Coast, Australia:	(no number)	Australian Parks and Wildlife Service (1986)
Dominion Museum, New Zealand	New Zealand:	(no number)	Baker and Stephenson (1972)

Appendix Table 2-2. Stenella attenuata (continued).

Museum	Locality	Specimen number	Cited in:
Museum National d' Histoire Naturelle, Paris	Indonesia: Banda Sea:	MNHN1882-305	Perrin et al. (1987)
		A-3028	Wagner (1846)
		Gal-Zool-21, A3029	Leatherwood (1985)
	Malaysia:	MNHN1882-113	Perrin et al. (1987)
	Indian Ocean:	Gal-Zool-17	Leatherwood (1985)
	Sri Lanka:	Gal-Zool-18	Leatherwood and Clarke (1983)
	Madagascar:	A-3037, MNHN1928-162	Leatherwood (1985)
	Djibouti:	NMHN1981-185	Robineau and Rose (1984)
NARA Museum, Sri Lanka	Indian Ocean:	NARA#b, NARA#c	Leatherwood (1985)
Colombo Museum, Sri Lanka	Sri Lanka:	92-3	Leatherwood (1985)
British Museum (Natural History), London	Japan:	BMNH1966.6.14.1	Perrin et al. (1987)
	Solomon Islands:	BMNH1966.11.18.2, BMNH1966.11.18.3, BMNH1966.11.18.5, BMNH1966.11.18.8	Dawbin (pers.comm.)
	Indian Ocean:	BMNH347a	Leatherwood (1985)
	South Africa:	BMNH1878.2.11.1	Perrin et al. (1987)
	Sri Lanka:	BMNH1948-4-20-1, BMNH1949-10-27-2, BMNH1949-10-27-1	Leatherwood (1985)
		BMNH1819-10-13-2	Leatherwood and Clark (1983)

Appendix Table 2-2. Stenella attenuata (continued).

Museum	Locality	Specimen number	Cited in:
	Seychelle Islands:	BMNH1873.7.3.5, BMNH1869.5.21.2	Leatherwood (1985)
		BMNH347e BMNH347f	Perrin et al. (1987)
	Persian Gulf:	BMNH1973.1749	Robineau and Rose (1984)
	Oman:	BMNH1980.792	Leatherwood (1985)
Museum of Comparative Zoology, Harvard University Cambridge, MA, USA	Kenya:	MCZ31734	Leatherwood (1985)
Institute of Zoology, Leningrad	Red Sea:	LIZ6886	Leatherwood (1985)
Zoological Museum of Berlin	Red Sea:	ZMB31975	
South African Museum, Cape Town, S.A.	Mascarene Islands:	SAM36952	Gambell et al. (1974)
	South Africa:	SAM35515 SAM36177 SAM38869	Ross (1984)
Technological Institute, Norrkoping, Sweden	Madagascar:	(no number)	Perrin et al. (1987)
Universitets Zoologiske Museum, Copenhagen	Indian Ocean:	UZMC Prodelph.-CN15	

Appendix Table 2-2. *Stenella attenuata* (continued).

Museum	Locality	Specimen number	Cited in:
Rijkmuseum van Natuurlijke Historie, Leiden, Netherlands	Indian Ocean:	RMNH cat.b,no.19	Perrin et al. (1987)
Port Elizabeth Musum, South Africa	South Africa:	PEM1520/85 PEM1520/84 PEM1520/33 PEM1520/32 PEM1517/81 PEM1517/68 PEM(no#, Nov. 1970)	Ross (1984)

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT. The first digit of "SERIES NUM." denotes a geographic region: 0= Hawaiian Islands; 1= central Pacific Ocean (160° W to 160° E Long.); 2= southwest Pacific and east Indian Ocean (160° E to 95° E Long. and below 20° N Lat.); 3= northwest Pacific (W of 160° E Long. and north of 20° N Lat.); 4= near mainland India; 5= Seychelles, Maldives, and Amirantes Islands; 6= Sri Lanka; 7= west Indian Ocean, Red Sea, and Persian Gulf; 8=non-specific. "TYPE" record codes: "01"= sighting record; "02"=sighting and photo taken; "03"=photo; "04"= specimen exists; "05"= capture or whaling; "06"= fishery incidental take.

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
00001	S.LON	EAST IS.+ LA PEROUSE PINNACLE	23 28	N	166 24	W		01		AMERSON (1971)			
00002	S.LON	DISAPPEARING + LITTLE GIN IS.	23 40	N	166 30	W	07JUNE1969	01		AMERSON (1971)			
00003	S.LON	KURE ATOLL	28 25	N	178 10	W	14AUG1968	01		WOODWARD (1972)			
00004	S.LON	NEAR TERN ISLAND	23 32	N	166 26	W	07AUG1983	01		(NOAA cruise)	CREW	RV TOWNSEND CROMWELL	8303
00005	S.LON	PEARL AND HERMES REEF	27 48	N	175 51	W	24MARCH1968	02		AMERSON,CLAPP & WIRTZ (1974)			
00006	S.LON	NIIHAU ISLAND	21 53	N	160 04	W	20FEB1977	01		FISCUS (1977)			
00007	S.LON	NIIHAU ISLAND	21 50	N	160 11	W		01		NORRIS AND DOHL (1980)			
00008	S.LON	NIIHAU ISLAND	21 46	N	160 07	W		01		SHALLENBERGER (1981)			
00009	S.LON	NIIHAU ISLAND	21 37	N	160 17	W		01		SHALLENBERGER (1981)			
00010	S.LON	NECKER ISLAND	23 35	N	164 42	W	13SEPT1971	01		NORRIS AND DOHL			
00011	S.LON	KURE ATOLL	28 30	N	178 10	W	03SEPT1971	01		NORRIS AND DOHL (1980)			
00012	S.LON	FRENCH FRIGATE SHOALS	23 25	N	166 20	W	12SEPT1971	01		NORRIS AND DOHL (1980)			
00013	S.LON	PEARL AND HERMES REEF	27 48	N	175 51	W	1978	01		NORRIS AND DOHL (1980)			
00014	S.LON	MIDWAY ISLAND	28 15	N	177 25	W	03SEPT1971	01		NORRIS AND DOHL (1980)			
10001	S.LON	BTWN.SOLOMON AND SANTA CRUZ IS	00 52	S	166 42	E	22MARCH1976	04	NSM24929	MIYAZAKI (1986)			
10002	S.LON	SOUTH OF MARSHALL ISLANDS	01 18	N	165 13	E	20FEB1976	01		MIYAZAKI AND WADA (1978)			
10003	S.LON	NORTH OF SOLOMON ISLANDS	07 18	S	164 34	E		01		MIYAZAKI AND WADA (1978)			
10004	S.LON	NORTH OF SOLOMON ISLANDS	07 53	S	160 05	E	01MARCH1976	01		MIYAZAKI AND WADA (1978)			
10005	S.LON	NORTH OF SOLOMON ISLANDS	07 52	S	160 04	E	01MARCH1976	01		MIYAZAKI AND WADA (1978)			
10006	S.LON	WEST OF ELLICE IS.	01 23	N	174 23	W	12FEB1978	04		MASAKI (1978)		MV TAKU MARU	
10007	S.LON	WEST OF GILBERT ISLANDS	00 27	N	166 47	E	24NOV1978	01		MASAKI AND KATO (1979a)			
10008	S.LON	NORTH OF PHOENIX IS.	01 58	N	169 35	E	23NOV1978	01		MASAKI AND KATO (1979a)			
10009	S.LON	NORTH OF PHOENIX IS.	02 01	N	169 41	E	23NOV1978	01		MASAKI AND KATO (1979a)			
10010	S.LON	SOUTH OF MARSHALL ISLANDS	01 56	N	160 43	E	17NOV1978	01		MASAKI AND KATO (1979a)			
10011	S.LON	SOUTH OF MARSHALL ISLANDS	00 03	N	165 39	E	24NOV1978	01		MASAKI AND KATO (1979a)			
10012	S.LON	NEAR EMPEROR SEAMOUNTS	36 50	N	170 59	E	SEPT1983	01		(NOAA cruise)	CREW	RV TOWNSEND CROMWELL	8303
10013	S.LON	SOUTH OF MARSHALL ISLANDS	00 05	N	165 45	E	24NOV1978	01		MASAKI AND KATO (1979a)			
10014	S.LON	SOUTH OF MARSHALL ISLANDS	01 35	S	162 07	E	25NOV1978	01		MASAKI AND KATO (1979a)			
10015	S.LON	WEST OF HAWAIIAN ISLANDS	27 41	N	163 36	E	11JUNE1982	01		BAILEY AND SOUTER (1982)			
10016	S.LON	MARSHALL ISLANDS	08 00	N	167 00	E	1977	02		HOUCK (pers. comm.)	W. J. HOUCK		
10017	S.LON	ENEWETAK ATOLL	11 30	N	162 15	E		04		REESE (in press)			
10018	S.LON	BTWN ELLICE + GILBERT ISLANDS	06 10	S	175 30	W	31MARCH1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
10019	S.LON	BTWN ELLICE + GILBERT ISLANDS	05 55	S	175 40	W	01APRIL1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
10020	S.LON	BTWN ELLICE + GILBERT ISLANDS	05 05	S	175 50	W	01APRIL1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
10021	S.LON	BTWN 2 - 3 N AND 162 -168 10 W					19NOV1982	01		PATTERSON AND ALVERSON (1986)		MV OCEAN PEARL	
10022	S.LON	NORTHEAST OF MARSHALL ISLANDS	13 00	N	174 00	W	1983	01		PATTERSON AND ALVERSON (1986)	M. VARGAS	MV PATRICIAN	
10023	S.LON	25 MILES SO. OF PALMYRA ATOLL	05 29	N	162 04	W	25OCT1983	01		PATTERSON AND ALVERSON (1986)		MV JO ANN	
10024	S.LON	N.E. OF GILBERT ISLANDS	04 30	N	175 30	E	1976	01		ALVERSON (1981)			
10025	S.LON	NORTH OF SOLOMON ISLANDS	01 42	S	160 33	E	04AUG1981	01		ALVERSON (pers. comm.)	F. BURNS	MV ISLAND PRINCESS	
10026	S.LON	NORTH OF MARSHALL ISLANDS	16 23	N	162 13	E	22JULY1980	01		ALVERSON (1981)		MV WHITE STAR	
10027	S.LON	NEAR ELLICE IS.	07 30	S	177 15	E	10SEPT1979	01		ALVERSON (1981)			
10028	S.LON	SOUTHWEST OF GILBERT ISLANDS	02 48	S	172 58	E	07SEPT1979	01		ALVERSON (1981)			
10029	S.LON	ENEWETAK ATOLL	11 30	N	162 15	E	1976	02		LAMBERSON (pers. comm.)	P. LAMBERSON		
10030	S.LON	PAGO PAGO	14 17	S	170 44	W	04JUNE1986	01		OLSON (pers. comm.)	ALAN OLSON	MV SEA GEM	0971
10031	S.LON	NEIAFU, TONGA	18 40	S	174 05	W	07MARCH1986	01			R. L. PITMAN	MS SOCIETY EXPLORER	
10032	S.LON	WEST OF ELLICE IS.	08 24	S	170 02	W	20APRIL1984	01		(NOAA cruise)	R. L. PITMAN	RV DISCOVERER	
10033	S.LON	EAST OF GILBERT ISLANDS	02 04	N	176 52	E	17APRIL1980	01		AU, PITMAN & SINCLAIR (1980)		RV OCEANOGRAPHER	
10034	S.LON	MALAITA, SOLOMON ISLANDS	09 00	S	161 00	E	SEPT1965	04		AUSTRALIAN MUSEUM			
10035	S.LON	ARNO ATOLL, MARSHALL ISLANDS	07 02	N	171 40	E	1950	01		MARSHALL (1951)			
20001	S.LON	GUADALCANAL ISLAND, SOLOMON IS	09 21	S	159 59	E	16APRIL1986	02		LEATHERWOOD (1987)		MS SOCIETY EXPLORER	
20002	S.LON	NE OF BOMATU PT.,KIRIWINA IS.	08 30	S	151 05	E	20APRIL1986	01		LEATHERWOOD (1987)		MS SOCIETY EXPLORER	
20003	S.LON	BLANCHE CHANNEL, RENDOVA IS.	08 24	S	157 21	E	17APRIL1986	01		LEATHERWOOD (1987)	K. J. STAUCH	MS SOCIETY EXPLORER	
20004	S.LON	GIZO, KENNEDY IS., SOLOMON IS.	08 09	S	156 55	E	18APRIL1986	01		LEATHERWOOD (1987)		MS SOCIETY EXPLORER	
20005	S.LON	RABAUL, NEW BRITAIN	04 05	S	152 05	E	OCT1965	04		AUSTRALIAN MUSEUM			
20006	S.LON	NORTH OF JAVA	06 02	S	110 02	E	NOV1976	06		TAS'AN AND LEATHERWOOD (1984)			
20007	S.LON	TOWNSVILLE, AUSTRALIA	19 13	S	146 48	E		06		BAKER (1983)			
20008	S.LON	MOLUCCA SEA & TORRES STRAIT	09 22	S	142 40	E	1899-1900	01		WEBER (1923)			
20009	S.LON	MORETON BAY, AUSTRALIA	27 12	S	153 06	E	1985	01		AUSTR.PRKS.&WLDLFE.SERV.(1986)	HELENE MARSH		
20010	S.LON	NORTH OF NEW IRELAND	02 55	S	153 22	E	06MARCH1976	01		MIYAZAKI AND WADA (1978)			
20011	S.LON	NORTH OF NEW IRELAND	03 48	S	155 18	E	05MARCH1976	01		MIYAZAKI AND WADA (1978)			
20012	S.LON	NEAR (APPROX 35 NM)NGULU ATOLL	08 02	N	138 07	E	11MARCH1978	01		MASAKI (1978)		MV TAKU MARU	
20013	S.LON	EAST OF PALAU ISLANDS	07 12	N	136 37	E	12MARCH1978	01		MASAKI (1978)		MV TAKU MARU	
20014	S.LON	WEST OF PALAU ISLANDS	06 35	N	131 26	E	17MARCH1978	03		MASAKI (1978)		MV TAKU MARU	
20015	S.LON	SOUTH OF CAROLINE ISLANDS	04 48	N	149 45	E	07NOV1978	04	NSM25376	MASAKI AND KATO (1979a)			
20016	S.LON	SOUTH OF CAROLINE ISLANDS	03 11	N	142 07	E	02FEB1976	04	NSM24932	MIYAZAKI (1986)			
20017	S.LON	SOUTH OF CAROLINE ISLANDS	03 03	N	141 57	E	02FEB1976	01		MIYAZAKI AND WADA (1978)			
20018	S.LON	NORTH OF SOLOMON ISLANDS	00 25	N	153 09	E	09MARCH1976	01		MIYAZAKI AND WADA (1978)			
20019	S.LON	OFF BOUGAINVILLE ISLAND	05 10	S	156 34	E	04MARCH1976	03		MIYAZAKI AND WADA (1978)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20020	S.LON	NEAR KILINAILAU ISLAND	04 54	S	156 11	E	05MARCH1976	01		MIYAZAKI AND WADA (1978)			
20021	S.LON	NORTH OF SOLOMON ISLANDS	02 09	S	157 45	E	14FEB1976	01		MIYAZAKI AND WADA (1978)			
20022	S.LON	ADMIRALTY ISLANDS	01 24	S	147 22	E	05NOV1978	04	NSM25373	MASAKI AND KATO (1979a)			
20023	S.LON	SOLOMON ISLANDS	06 34	S	158 08	E	03MARCH1976	04	NSM24928	MIYAZAKI (1986)			
20024	S.LON	SOLOMON ISLANDS	04 55	S	152 56	E	12FEB1976	04	NSM24930	MIYAZAKI (1986)			
20025	S.LON	SOLOMON ISLANDS	06 31	S	157 26	E	03MARCH1976	03	NSM24931	MIYAZAKI (1986)			
20026	S.LON	SOLOMON ISLANDS	08 50	S	159 52	E	01MARCH1976	04	NSM24934	MIYAZAKI (1986)			
20027	S.LON	SOLOMON ISLANDS	07 41	S	159 55	E	01MARCH1976	04	NSM24933	MIYAZAKI (1986)			
20028	S.LON	MOLLUCCA SEA	00 15	N	125 00	E	1840	04	GAL.ZOOL.19	LEATHERWOOD (1985) & MNHN			
20029	S.LON	MOLLUCCA SEA	00 15	N	125 00	E	1840	04	(MNHN) A3026	LEATHERWOOD (1985)			
20030	S.LON	MOLLUCCA SEA	00 00		125 00	E	1840	04	(MNHN) A3027	LEATHERWOOD (1985)			
20031	S.LON	JAVA SEA	05 00	S	110 00	E	OCT-NOV1976	05		KASUYA ET AL (1984)			
20032	S.LON	SO.JAVA SEA(NEAR THOUSAND IS)	05 00	S	110 00	E		02		LEATHERWOOD (1985)			
20033	S.LON	NW OF THOUSAND ISLANDS	05 23	S	106 13	E	02APRIL1983	01		LEATHERWOOD (1984)			
20034	S.LON	STRAIT OF MALLACCA	02 18	N	101 52	E	05APRIL1983	01		LEATHERWOOD ET AL (1984)			
20035	S.LON	LEMBATA (=LOMBLEN) ISLAND	08 32	S	123 30	E	1979	01		HEMBREE (1979)			
20036	S.LON	N. W. AUSTRALIA	12 38	S	126 24	E	18SEPT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20037	S.LON	N. W. AUSTRALIA	12 22	S	127 27	E	26SEPT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20038	S.LON	MADANG, NEW GUINEA (N.E.COAST)	05 14	S	145 40	E	23APRIL1986	02			J. S. GROVE	MS SOCIETY EXPLORER	
20039	S.LON	NARAGE ISLAND, VITU ISLANDS	04 33	S	149 08	E	23APRIL1986	02			J. S. GROVE	MS SOCIETY EXPLORER	
20040	S.LON	N. W. AUSTRALIA	12 19	S	127 28	E	10OCT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20041	S.LON	MADANG, NEW GUINEA	05 14	S	145 45	E	28AUG1966	02		DAWBIN (pers. comm.)	W. H. DAWBIN		
20042	S.LON	N. W. AUSTRALIA	12 23	S	127 24	E	11OCT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20043	S.LON	RABAUL, NEW BRITAIN	04 13	S	152 11	E	AUG1966	03		DAWBIN (pers. comm.)	W. H. DAWBIN		
20044	S.LON	N. W. AUSTRALIA	12 24	S	127 20	E	12OCT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20045	S.LON	CAIRNS, QUEENSLAND, AUSTRALIA	16 51	S	145 43	E	21SEPT1971	03		HEINSOHN (pers. comm.)	G.E.HEINSOHN		
20046	S.LON	SOUTH CHINA SEA					1979	02		ABEL (pers. comm.)	G. ABEL		
20047	S.LON	JAVA	07 00	S	108 00	E		04	MZB-398	LEATHERWOOD (1985)			
20048	S.LON	N. W. AUSTRALIA	12 27	S	127 19	E	13OCT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20049	S.LON	N. W. AUSTRALIA					1981-1985	06		AUSTR.PRKS.&WLDLFE.SERV.(1986)			
20050	S.LON	SONGKHLA FISH. STAT.,THAILAND	07 12	N	100 36	E		04	(TAXIDERM.SPEC)	PILLERI AND GIHR (1973-74)			
20051	S.LON	SONGKHLA FISH. STAT.,THAILAND	07 12	N	100 36	E		04	(TAXIDERM.SPEC)	PILLERI AND GIHR (1973-74)			
20052	S.LON	GULF OF THAILAND					21SEPT1970	04	NSM24971	MIYAZAKI (1986)			
20053	S.LON	GULF OF THAILAND						04	NSM24972	MIYAZAKI (1986)			
20054	S.LON	GULF OF THAILAND					10JAN1971	04	NSM24973	MIYAZAKI (1986)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20055	S.LON	GULF OF THAILAND					30DEC1971	04	NSM24974	MIYAZAKI (1986)			
20056	S.LON	GULF OF THAILAND					1970-71	04	NSM24975	MIYAZAKI (1986)			
20057	S.LON	GULF OF THAILAND					1970-71	04	NSM24976	MIYAZAKI (1986)			
20058	S.LON	GULF OF THAILAND					1970-71	04	NSM24977	MIYAZAKI (1986)			
20059	S.LON	GULF OF THAILAND					1970-71	04	NSM24978	MIYAZAKI (1986)			
20060	S.LON	2 KM OFF RABURI, THAILAND	13 25	N	100 03	E	15MARCH1970	04	NSM24851	MIYAZAKI (1986)			
20061	S.LON	OFFSHORE OF LOMBLEN ISLAND	08 00	S	124 00	E	1979	05		HOLT (1980)			
20062	S.LON	SAVU SEA (NEAR LAMALERA IS.)	08 32	S	124 00	E	07SEPT1979	05		HEMBREE (1979)			
20063	S.LON	SAVU SEA (NEAR LAMALERA IS.)	08 32	S	124 00	E	05JULY1979	05		HEMBREE (1979)			
20064	S.LON	SAVU SEA (NEAR LAMALERA IS.)	08 32	S	124 00	E	11SEPT1979	05		HEMBREE (1979)			
20065	S.LON	NORTH OF NEW BRITAIN	02 28	S	151 28	E	11SEPT1979	01		ALVERSON (1981)			
20066	S.LON	NORTH OF NEW BRITAIN	02 23	S	151 20	E	14SEPT1979	01		ALVERSON (1981)			
20067	S.LON	NORTH OF NEW BRITAIN	02 04	S	151 15	E	15SEPT1979	01		ALVERSON (1981)			
20068	S.LON	NORTH OF NEW BRITAIN	02 23	S	151 33	E	16SEPT1979	01		ALVERSON (1981)			
20069	S.LON	NORTH OF NEW BRITAIN	01 57	S	148 35	E	12MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20070	S.LON	NORTH OF ADMIRALTY ISLANDS	01 18	N	145 28	E	13DEC1977	01		SOUTER AND BROADHEAD (1978)			
20071	S.LON	NORTH OF ADMIRALTY ISLANDS	01 37	S	144 48	E	07MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20072	S.LON	NORTH OF ADMIRALTY ISLANDS	02 23	S	148 24	E	13MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20073	S.LON	NORTH OF ADMIRALTY ISLANDS	00 48	S	144 27	E	03MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20074	S.LON	NEAR ADMIRALTY ISLANDS	00 03	N	145 04	E	11SEPT1977	01		SOUTER AND BROADHEAD (1978)			
20075	S.LON	NEAR ADMIRALTY ISLANDS	02 46	S	147 35	E	16NOV1977	01		SOUTER AND BROADHEAD (1978)			
20076	S.LON	NEAR ADMIRALTY ISLANDS	03 06	S	145 14	E	17NOV1977	01		SOUTER AND BROADHEAD (1978)			
20077	S.LON	NEAR ADMIRALTY ISLANDS	00 45	N	146 30	E	14DEC1977	01		SOUTER AND BROADHEAD (1978)			
20078	S.LON	NORTH OF NEW GUINEA	01 58	S	142 49	E	08MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20079	S.LON	NORTH OF NEW GUINEA	01 16	S	145 12	E	07MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20080	S.LON	NORTH OF NEW GUINEA	00 49	S	144 30	E	03MARCH1978	01		SOUTER AND BROADHEAD (1978)			
20081	S.LON	SOUTH OF CAROLINE ISLANDS	06 13	N	142 10	E	1981	01		PATTERSON AND ALVERSON (1986)		MV FRONTIER	
20082	S.LON	SOUTH OF CAROLINE ISLANDS	04 06	N	144 01	E	1981	01		PATTERSON AND ALVERSON (1986)		MV FRONTIER	
20083	S.LON	SOUTH OF CAROLINE ISLANDS	02 52	N	141 07	E	15SEPT1980	01		ALVERSON (1981)			
20084	S.LON	SOUTH OF CAROLINE ISLANDS	02 52	N	143 00	E	14SEPT1980	01		ALVERSON (1981)			
20085	S.LON	SOUTH OF CAROLINE ISLANDS	04 32	N	138 39	E	29AUG1980	01		ALVERSON (1981)			
20086	S.LON	SOUTH OF CAROLINE ISLANDS	04 02	N	142 02	E	19AUG1980	01		ALVERSON (1981)			
20087	S.LON	SOUTH OF CAROLINE ISLANDS	04 07	N	139 31	E	04AUG1980	01		ALVERSON (1981)			
20088	S.LON	SOUTH OF CAROLINE ISLANDS	04 22	N	142 13	E	22JULY1980	01		ALVERSON (1981)			
20089	S.LON	SOUTH OF CAROLINE ISLANDS	05 51	N	150 34	E	06AUG1980	01		ALVERSON (1981)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20090	S.LON	PALAU ISLANDS	07 23	N	135 12	E	26JULY1980	01		ALVERSON (1981)			
20091	S.LON	SOUTH OF PALAU ISLANDS	05 35	N	135 04	E	27JULY1980	01		ALVERSON (1981)			
20092	S.LON	SOUTH OF PALAU ISLANDS	04 40	N	135 35	E	27JULY1980	01		ALVERSON (1981)			
20093	S.LON	SOUTH OF PALAU ISLANDS	04 34	N	136 18	E	28JULY1980	01		ALVERSON (1981)			
20094	S.LON	SOUTH OF PALAU ISLANDS	04 28	N	136 41	E	28JULY1980	01		ALVERSON (1981)			
20095	S.LON	SOUTH OF TRUK ISLAND	06 39	N	154 08	E	22JULY1980	01		ALVERSON (1981)			
20096	S.LON	NORTHWEST OF CAROLINE IS.	07 07	N	137 16	E	19JULY1980	01		ALVERSON (1981)			
20097	S.LON	BTWN. NEW GUINEA & CAROLINE IS	01 33	N	144 59	E	13AUG1981	01		ALVERSON (pers. comm.)	F. BURNS	MV ISLAND PRINCESS	
20098	S.LON	25 MILES NW OF POSITION GIVEN	07 43	N	144 12	E	15AUG1981	01		ALVERSON (pers. comm.)	F. BURNS	MV ISLAND PRINCESS	
20099	S.LON	OFF WESTERN AUSTRALIA	25 23	S	112 00	E	15DEC1978	01		MASAKI AND KATO (1979a)			
20100	S.LON	OFF NORTHWEST AUSTRALIA	15 02	S	122 11	E	12DEC1978	01		MASAKI AND KATO (1979a)			
20101	S.LON	OFF NORTHWEST AUSTRALIA	14 51	S	122 31	E	12DEC1978	01		MASAKI AND KATO (1979a)			
20102	S.LON	OFF NORTHWEST AUSTRALIA	14 17	S	123 36	E	12DEC1978	01		MASAKI AND KATO (1979a)			
20103	S.LON	OFF NORTH AUSTRALIA	12 10	S	127 37	E	11DEC1978	01		MASAKI AND KATO (1979a)			
20104	S.LON	NORTH OF SOLOMON ISLANDS	05 55	S	156 53	E	28NOV1978	01		MASAKI AND KATO (1979a)			
20105	S.LON	NORTH OF SOLOMON ISLANDS	05 01	S	156 02	E	27NOV1978	01		MASAKI AND KATO (1979a)			
20106	S.LON	CAROLINE ISLANDS	07 34	N	154 19	E	09NOV1978	01		MASAKI AND KATO (1979a)			
20107	S.LON	SOUTH OF CAROLINE ISLANDS	04 27	N	149 54	E	07NOV1978	05		MASAKI AND KATO (1979a)			
20108	S.LON	SOUTH OF CAROLINE ISLANDS	02 59	N	149 24	E	06NOV1978	05		MASAKI AND KATO (1979a)			
20109	S.LON	SOUTH OF PALAU ISLANDS	05 20	N	131 01	E	22OCT1978	01		MASAKI AND KATO (1979a)			
20110	S.LON	KITAVA IS.,TROBRIAND ISLANDS	08 36	S	151 22	E	20APRIL1987	02		LEATHERWOOD (1987)	M. Y. CROSBY	MS SOCIETY EXPLORER	
20111	S.LON	STRAIT OF MALACCA, INDONESIA	03 46	N	098 46	E	06APRIL1903	04	USNM49661	LEATHERWOOD (1985)	W. L. ABBOTT		
20112	S.LON	CHINA SEA (70KM FROM MALAYSIA)	04 00	N	104 30	E	OCT-NOV1978	03		ABEL AND LEATHERWOOD (1985)			
20113	S.LON	CEBU ISLAND, PHILIPPINES	10 17	N	123 56	E	AUG1974	05		HAMMOND AND LEATHERWOOD (1984)			
20114	S.LON	CELEBES SEA	02 09	N	122 16	E	22MAY1986	01			I.O. STAUCH	MS SOCIETY EXPLORER	
20115	S.LON	BTWN. BORNEO AND SUMATRA	01 15	S	106 33	E	03APRIL1983	01		LEATHERWOOD ET AL (1984)			
20116	S.LON	5 NM EAST OF PHUKET,THAILAND	07 52	N	098 27	E	06APRIL1982	01		LEATHERWOOD (1985)			
20117	S.LON	MICHAELMAS CAY/REEF	16 35	S	146 02	E		05		MARSH (pers. comm.)	H.MARSH		
20118	S.LON	RAINE ISLAND/PANDORA CAY	11 36	S	144 01	E		01		MARSH (pers. comm.)	H. MARSH		
20119	S.LON	PIPER ISLAND	12 03	S	143 13	E		01		MARSH (pers. comm.)	H. MARSH		
20120	S.LON	CAROLINE ISLANDS	09 20	N	153 35	E	29AUG1976	01		(NOAA cruise)	(crew)	RV TOWNSEND CROMWELL	
20121	S.LON	SOUTHWEST OF TRUK ISLAND	06 00	N	150 50	E	23AUG1976	01		(NOAA cruise)	(crew)	RV TOWNSEND CROMWELL	
20122	S.LON	SOUTH OF CAROLINE ISLANDS	03 20	N	152 55	E	27AUG1976	01		(NOAA cruise)	(crew)	RV TOWNSEND CROMWELL	
20123	S.LON	NARAGE ISLAND, VITU ISLANDS	04 34	S	149 06	E	17MAY1986	02			M. Y. CROSBY	MS SOCIETY EXPLORER	
20124	S.LON	W.OF WRECK REEF,GRT.BARRIER RF	22 17	S	155 23	E	27NOV1985	03		MARSH (pers. comm.)	H. MARSH		

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20125	S.LON	"AUSTRALIA"					1800's	04	UZMC-CN17	UNIV.ZOOLOG.MUSM.COPENHAGEN	LUTKEN		
30001	S.LON	OFFSHORE OF JAPAN	31 43	N	152 50	E	06JUNE1982	01		PATTERSON AND ALVERSON (1986)		MV WESTERN PACIFIC	
30002	S.LON	SO. OF GOTO IS.,NAGASAKI,JAPAN	32 45	N	129 52	E	1935	04		NISHIWAKI (1972)	KUNIMOTO		
30003	S.LON	NAGASAKI PREFECTURE, JAPAN	28 45	N	129 45	E		03		OGAWA (1936)			
30004	S.LON	GOTO ISLAND, NAGASAKI, JAPAN	33 00	N	128 00	E	SEPT1963	05		MIZUE, YOSHIDA & SODODA (1964)			
30005	S.LON	COAST OF JAPAN					1936-67	05		OHSUMI (1972)			
30006	S.LON	WATERS OF JAPAN								MIYAZAKI (1983)			
30007	S.LON	NAGASAKI PREF., JAPAN	32 44	N	129 50	E		04	NSM24800	MIYAZAKI (1986)			
30008	S.LON	NAGASAKI PREF., JAPAN	32 47	N	129 50	E	12AUG1935	04	NSM05100	MIYAZAKI (1986)			
40001	S.LON	BAY OF BENGAL,PORTO NOVO,INDIA	11 29	N	079 46	E		06		NATARAJAN AND RAJAGURU (1983)			
40002	S.LON	OFFSHORE OF INDIA	10 53	N	075 12	E	09FEB1982	01		ALLING (1983)		RV TULIP	
40003	S.LON	OFFSHORE OF INDIA	10 23	N	075 30	E	10FEB1982	01		ALLING (1983)		RV TULIP	
40004	S.LON	ARABIAN SEA, MALABAR, INDIA	16 00	N	073 20	E	1800's	04	USNMSTR02215	LEATHERWOOD (1985)			
40005	S.LON	OFF CALICUT COAST, INDIA	11 00	N	075 37	E	1976-80	06		LAL MOHAN (1985)			
50001	S.LON	ARIDE ISLAND, SEYCHELLES	04 11	S	055 40	E	APRIL1983	01		LEATHERWOOD ET AL (1984)			
50002	S.LON	SEYCHELLE ISLANDS	04 00	S	055 26	E	26APRIL1983	01		LEATHERWOOD ET AL (1984)			
50003	S.LON	EAST OF THE MALDIVES	04 30	N	073 09	E	31JULY1829	04	(MNHN) MS 894	ARVY (1972)	DUSSUMIER		
50004	S.LON	EAST OF MALE ATOLL	04 28	N	073 25	E	19APRIL1983	01		LEATHERWOOD ET AL (1984)			
50005	S.LON	MALDIVES	05 31	N	074 07	E	25NOV1983	01		LEATHERWOOD (1985)			
50006	S.LON	MALDIVES	04 10	N	073 31	E	11FEB1984	01		LEATHERWOOD (1985)			
50007	S.LON	MALDIVES	03 59	N	073 17	E	09FEB1984	01		LEATHERWOOD (1985)			
50008	S.LON	MALDIVES	04 10	N	073 31	E	13DEC1983	01		LEATHERWOOD (1985)			
50009	S.LON	SOUTH MALE ATOLL, MALDIVES	04 30	N	023 15	E		01		LEATHERWOOD ET AL (1984)			
50010	S.LON	GOADU MILADUMMADULA ATOLL	05 50	N	073 00	E		01		LEATHERWOOD ET AL (1984)			
50011	S.LON	GOLLANDU CHANNEL, MALDIVES	06 52	N	073 00	E		01		LEATHERWOOD ET AL (1984)			
50012	S.LON	ADDU ATOLL LAGOON,GAN,MALDIVES	00 42	S	073 10	E	05AUG1958	04	BMNH 1959791	BRITISH MUSEUM	MAJ.W.PHILLIPS		
50013	S.LON	OFF HITTADU IS., MALDIVES	00 42	S	073 10	E	07NOV1958	04	BMNH 1959793	BRITISH MUSEUM	MAJ.W.PHILLIPS		
50014	S.LON	ADDU ATOLL, GAN, MALDIVES	00 42	S	073 10	E	09NOV1958	04	BMNH 1959794	BRITISH MUSEUM	MAJ.W.PHILLIPS		
50015	S.LON	LAGOON OF HITTADAU, MALDIVES	00 42	S	073 10	E	1958	04	BMNH 1959795	BRITISH MUSEUM	MAJ.W.PHILLIPS		
50016	S.LON	HITTADU IS.,ADDU, MALDIVES	00 42	S	073 10	E	25NOV1958	04	BMNH 1959796	BRITISH MUSEUM	MAJ.W.PHILLIPS		
60001	S.LON	SRI LANKA	09 00	N	081 00	E		04	(COL.MUSM)92-D	LEATHERWOOD (1985)			
60002	S.LON	SRI LANKA	09 00	N	081 00	E		04	(COL.MUSM)92-E	LEATHERWOOD (1985)			
60003	S.LON	SO. COAST OF SRI LANKA	05 45	N	081 15	E		06		LEATHERWOOD ET AL (1984)			
60004	S.LON	BERUWALA, SRI LANKA	06 30	N	079 30	E	31JAN1985	06		LEATHERWOOD (1985)			
60005	S.LON	BERUWALA, SRI LANKA	06 30	N	079 30	E	11JAN1985	06		LEATHERWOOD (1985)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
60006	S.LON	GALLE, SRI LANKA	06 01	N	080 11	E	27MAY1985	03		LEATHERWOOD (1985)			
60007	S.LON	BERUWALA, SRI LANKA	06 30	N	079 30	E	24FEB1985	06		LEATHERWOOD (1985)			
60008	S.LON	BERUWALA, SRI LANKA	06 30	N	079 30	E	11FEB1985	06		LEATHERWOOD (1985)			
60009	S.LON	BERUWALA, SRI LANKA	06 29	N	079 57	E	06APRIL1985	06		LEATHERWOOD (1985)			
60010	S.LON	BERUWALA, SRI LANKA	06 29	N	079 57	E	26APRIL1985	06		LEATHERWOOD (1985)			
60011	S.LON	BERUWALA. SRI LANKA	06 29	N	079 57	E	14APRIL1985	06		LEATHERWOOD (1985)			
60012	S.LON	BERUWALA, SRI LANKA	06 29	N	079 57	E	06FEB1985	06		LEATHERWOOD (1985)			
60013	S.LON	BERUWALA, SRI LANKA	06 29	N	079 57	E	01MARCH1985	06		LEATHERWOOD (1985)			
60014	S.LON	ANPPU, SRI LANKA	06 00	N	080 00	E	BEFORE 1923	04		LEATHERWOOD (1985)			
60015	S.LON	NEAR COLOMBO, SRI LANKA	06 55	N	079 52	E	18NOV1982	06		JOSEPH ET AL (1983)			
60016	S.LON	OFF NEGOMBO, SRI LANKA	07 13	N	079 49	E	06OCT1982	06		JOSEPH ET AL (1983)			
60017	S.LON	OFF NEGOMBO, SRI LANKA	07 13	N	079 49	E	07JUNE1983	06		LEATHERWOOD (1985)			
60018	S.LON	OFF WEST COAST OF SRI LANKA	07 58	N	079 00	E	27FEB1982	01		ALLING (1983)			
60019	S.LON	OFF TANGALLA, SRI LANKA	06 01	N	080 47	E	07MAY1985	05		GUNARATNA ET AL (1985)			
60020	S.LON	BTWN. COLOMBO & DONDRA HEAD	06 16	N	079 57	E	08MAY1985	01		GUNARATNA ET AL (1985)			
60021	S.LON	OFF NEGOMBO, SRI LANKA	07 20	N	079 20	E	11JAN1983	06		JOSEPH ET AL (1983)			
60022	S.LON	OFF NEGOMBO, SRI LANKA	07 20	N	079 20	E	13JAN1983	06		JOSEPH ET AL (1983)			
60023	S.LON	OFF NEGOMBO, SRI LANKA	07 20	N	079 20	E	07OCT1982	06		JOSEPH ET AL (1983)			
60024	S.LON	OFF NEGOMBO, SRI LANKA	07 13	N	079 49	E	08OCT1982	06		JOSEPH ET AL (1983)			
60025	S.LON	S.E.COAST,YALA, SRI LANKA	06 22	N	081 31	E	03FEB1970	02	USNM-STR02661	LEATHERWOOD (1985)			
60026	S.LON	WEST COAST OF SRI LANKA	07 34	N	079 21	E	07MARCH1972	01		LEATHERWOOD (1985)			
60027	S.LON	WEST COAST OF SRI LANKA	07 32	N	079 34	E	01MARCH1982	01		LEATHERWOOD (1985)			
60028	S.LON	NORTH OF SRI LANKA	10 15	N	080 00	E	15APRIL1983	01		LEATHERWOOD ET AL (1984)			
60029	S.LON	OFF BATTICALOA, SRI LANKA	07 41	N	082 05	E	19OCT1983	01		LEATHERWOOD (1985)			
60030	S.LON	OFF SOUTHWESTERN SRI LANKA	06 00	N	080 00	E		01		LEATHERWOOD ET AL (1984)			
60031	S.LON	WEST COAST OF SRI LANKA	07 18	N	079 48	E	1981	01		LEATHERWOOD (1985)			
60032	S.LON	NORTH COAST SRI LANKA	09 46	N	080 54	E	10APRIL1983	01		LEATHERWOOD (1985)			
60033	S.LON	EAST COAST OF SRI LANKA	07 12	N	082 11	E	20FEB1984	01		LEATHERWOOD (1985)			
60034	S.LON	SOUTH COAST SRI LANKA	05 51	N	081 02	E	18FEB1984	01		LEATHERWOOD (1985)			
60035	S.LON	SRI LANKA	09 10	N	081 13	E	16MARCH1984	01		LEATHERWOOD (1985)			
60036	S.LON	SRI LANKA	09 28	N	080 57	E	08APRIL1984	01		LEATHERWOOD (1985)			
60037	S.LON	SRI LANKA	09 27	N	080 58	E	08APRIL1984	01		LEATHERWOOD (1985)			
60038	S.LON	SRI LANKA	09 28	N	080 58	E	10APRIL1984	01		LEATHERWOOD (1985)			
60039	S.LON	COLOMBO, SRI LANKA	07 00	N	079 45	E	13MARCH1982	01		LEATHERWOOD (1985)			
60040	S.LON	COLOMBO, SRI LANKA	07 00	N	079 41	E	13MARCH1982	01		LEATHERWOOD (1985)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL	CRUISE NUMBER
60041	S.LON	COLOMBO, SRI LANKA	07 00	N	079 24	E	12NOV1983	01		LEATHERWOOD (1985)			
60042	S.LON	NEAR GALLE, SRI LANKA	05 47	N	080 07	E	22FEB1982	01		ALLING (1983)			
60043	S.LON	COLOMBO, SRI LANKA	06 56	N	079 29	E	12NOV1983	01		LEATHERWOOD (1985)			
60044	S.LON	OFF GALLE, SRI LANKA	06 00	N	079 53	E	28JAN1983	01		LEATHERWOOD (1985)			
60045	S.LON	OFF GALLE, SRI LANKA	05 52	N	080 18	E	29JAN1983	01		LEATHERWOOD (1985)			
60046	S.LON	OFF GALLE, SRI LANKA	05 53	N	080 22	E	29JAN1983	01		LEATHERWOOD (1985)			
60047	S.LON	SRI LANKA	08 33	N	081 16	E	17APRIL1984	01		ALLING (1985)			
60048	S.LON	OFF SRI LANKA	08 33	N	081 16	E	11MARCH1984	01		ALLING (1985)			
60049	S.LON	SRI LANKA	09 05	N	081 06	E	01APRIL1984	01		ALLING (1985)			
60050	S.LON	SRI LANKA	08 35	N	081 23	E	25MARCH1984	01		ALLING (1985)			
60051	S.LON	BERUWALA, SRI LANKA	06 29	N	079 57	E	09MAY1983	06		LEATHERWOOD (1985)			
60052	S.LON	BERUWALA, SRI LANKA	06 30	N	079 57	E	08JAN1983	06		LEATHERWOOD (1985)			
60053	S.LON	YALA, SRI LANKA	06 20	N	081 30	E	03FEB1970	03		SMITH-VANIZ (pers. comm.)			
60054	S.LON	SO. OF FOUL PT., KODDIYAR BAY	08 21	N	081 51	E	08MARCH1983	01		LEATHERWOOD (1985)			
60055	S.LON	OFF KODDIYAR BAY, SRI LANKA	08 39	N	081 19	E	02MARCH1983	01		LEATHERWOOD (1985)			
60056	S.LON	NEAR KODDIYAR BAY, SRI LANKA	08 35	N	081 22	E	19FEB1983	01		LEATHERWOOD (1985)			
60057	S.LON	KODDIYAR BAY, SRI LANKA	08 35	N	081 35	E	03NOV1983	01		LEATHERWOOD (1985)			
60058	S.LON	KODDIYAR BAY, SRI LANKA	08 35	N	081 22	E	18APRIL1983	01		LEATHERWOOD (1985)			
60059	S.LON	NORTH OF TRINCOMALEE HARBOUR	09 31	N	080 57	E	14MARCH1984	01		LEATHERWOOD (1985)			
60060	S.LON	NORTH OF TRINCOMALEE,SRI LANKA	09 40	N	081 06	E	13MARCH1984	01		LEATHERWOOD (1985)			
60061	S.LON	OFF TRINCOMALEE, SRI LANKA	08 36	N	081 25	E	08MARCH1984	01		LEATHERWOOD (1985)			
60062	S.LON	OFF TRINCOMALEE HARBOR	08 36	N	081 27	E	07MARCH1984	01		LEATHERWOOD (1985)			
60063	S.LON	OFF TRINCOMALEE HARBOR	08 38	N	081 30	E	06MARCH1984	01		LEATHERWOOD (1985)			
60064	S.LON	OFF TRINCOMALEE, SRI LANKA	08 38	N	081 21	E	17MARCH1984	01		LEATHERWOOD (1985)			
60065	S.LON	NORTH OF TRINCOMALEE,SRI LANKA	08 42	N	081 20	E	17MARCH1984	01		LEATHERWOOD (1985)			
60066	S.LON	OFF TRINCOMALEE, SRI LANKA	08 36	N	081 22	E	19MARCH1984	01		LEATHERWOOD (1985)			
60067	S.LON	OFF TRINCOMALEE, SRI LANKA	08 35	N	081 22	E	17APRIL1984	01		LEATHERWOOD (1985)			
60068	S.LON	TRINCOMALEE HARBOR, SRI LANKA	08 34	N	081 15	E	03MAY1983	01		LEATHERWOOD ET AL (1984)			
60069	S.LON	OFF TRINCOMALEE HARBOR	08 24	N	081 20	E	16APRIL1983	01		LEATHERWOOD ET AL (1983)			
60070	S.LON	OFFSHORE OF KODDIYAR BAY	08 32	N	081 20	E	14MARCH1984	01		LEATHERWOOD (1984)			
60071	S.LON	OFFSHORE OF KODDIYAR BAY	08 33	N	081 20	E	14MARCH1984	01		LEATHERWOOD (1984)			
60072	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 15	E		04	FM095048	LEATHERWOOD (1985)			
60073	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 15	E		04	FM095047	LEATHERWOOD (1985)			
60074	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 15	E		04	FM095046	LEATHERWOOD (1985)			
60075	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 15	E		04	FM095045	LEATHERWOOD (1985)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE REPORT (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
60076	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 15	E		04	FM095044	LEATHERWOOD (1985)			
60077	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	10JAN1983	06		LEATHERWOOD (1985)			
60078	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	08FEB1983	06		LEATHERWOOD (1985)			
60079	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	20FEB1983	06		LEATHERWOOD (1985)			
60080	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	15MARCH1983	06		LEATHERWOOD (1985)			
60081	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	16APRIL1983	06		LEATHERWOOD (1985)			
60082	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	17APRIL1983	06		LEATHERWOOD (1985)			
60083	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	18APRIL1983	06		LEATHERWOOD (1985)			
60084	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	29MAY1983	06		LEATHERWOOD (1985)			
60085	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	01JUNE1983	06		LEATHERWOOD (1985)			
60086	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	09OCT1983	06		LEATHERWOOD (1985)			
60087	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	10OCT1983	06		LEATHERWOOD (1985)			
60088	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	02NOV1983	06		LEATHERWOOD (1985)			
60089	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	JAN1984	06		LEATHERWOOD (1985)			
60090	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	MARCH1984	06		LEATHERWOOD (1985)			
60091	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	29APRIL1984	06		LEATHERWOOD (1985)			
60092	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	APRIL1984	06		LEATHERWOOD (1985)			
60093	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	MAY1984	06		LEATHERWOOD (1985)			
60094	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	JUNE1984	06		LEATHERWOOD (1985)			
60095	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	JULY1984	06		LEATHERWOOD (1985)			
60096	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	AUG1984	06		LEATHERWOOD (1985)			
60097	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	SEPT1984	06		LEATHERWOOD (1985)			
60098	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	OCT1984	06		LEATHERWOOD (1985)			
60099	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	NOV1984	06		LEATHERWOOD (1985)			
60100	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	DEC1984	06		LEATHERWOOD (1985)			
60101	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	JAN1985	06		LEATHERWOOD (1985)			
60102	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	FEB1985	06		LEATHERWOOD (1985)			
60103	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	MARCH1985	06		LEATHERWOOD (1985)			
60104	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	APRIL1985	06		LEATHERWOOD (1985)			
60105	S.LON	TRINCOMALEE, SRI LANKA	08 34	N	081 13	E	JAN-APRIL85	06		PREMATUNGA ET AL (1985)			
60106	S.LON	SRI LANKA	09 00	N	081 00	E		04	NARA #a	LEATHERWOOD (1985)			
60107	S.LON	SRI LANKA	09 00	N	081 00	E		04	(COL.OF SURG.)	LEATHERWOOD (1985)			
60108	S.LON	INDIAN OCEAN, SE OF SRI LANKA	06 00	S	085 00	E	02MAY1829	04	(MNHN) MS 894	ARVY (1972)	DUSSUMIER		
70001	S.LON	GULF OF TADJOURA,REP. DJIBOUTI	11 40	N	042 45	E	12JAN1981	04	MNHN-1981-159	ROBINEAU AND ROSE (1983)			
70002	S.LON	GULF OF ADEN, REP. OF DJIBOUTI	11 40	N	043 40	E	1980-81	01		ROBINEAU AND ROSE (1984)			

APPENDIX 3. SPINNER DOLPHIN DISTRIBUTION DATABASE (continued)

SERIES NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
70003	S.LON	RED SEA	19 10	N	039 28	E	1980-81	01		ROBINEAU AND ROSE (1984)			
70004	S.LON	NO. COAST OF MERSA ALAM, EGYPT	24 55	N	034 43	E		04	FM105019	LEATHERWOOD (1985)			
70005	S.LON	ARABIAN SEA	23 00	N	060 20	E	26NOV1980	01		HARWOOD (1981)		SOHAR	
70006	S.LON	ARABIAN SEA	13 30	N	072 00	E	08DEC1980	01		HARWOOD (1981)		SOHAR	
70007	S.LON	ARABIAN SEA	20 09	N	063 30	E	28NOV1980	01		HARWOOD (1981)		SOHAR	
70008	S.LON	GULF OF OMAN	23 00	N	061 00	E	26NOV1980	01		LEATHERWOOD (1985)			
70009	S.LON	MASIRAH ISLAND, OMAN	20 15	N	058 45	E	26JULY1979	04	ZMA 20.724	VAN BREE (pers. comm.)	VAN BREE		
70010	S.LON	EAST OF SUR, OMAN	22 34	N	059 37	E	29AUG1970	04	ZMA 20.320	VAN BREE (pers. comm.)	VAN BREE		
70011	S.LON	YITI, OMAN	23 20	N	058 56	E	12NOV1978	04	ZMA 20.317	VAN BREE (pers. comm.)	VAN BREE		
70012	S.LON	AZAIBA, BATINAH, OMAN	24 00	N	057 10	E	25DEC1980	04	ZMA 21.443	VAN BREE (pers. comm.)	VAN BREE		
70013	S.LON	MASIRAH ISLAND, OMAN	20 16	N	058 45	E	DEC1975	04	BMNH 1980.873	LEATHERWOOD (1985)	T. D. ROGERS		
70014	S.LON	SUR, OMAN	22 30	N	060 30	E		04	BMNH 1980.872	LEATHERWOOD (1985)	GALLAGHER		
70015	S.LON	SUR, OMAN	22 34	N	059 32	E	18JULY1977	04	BMNH 1980.791	LEATHERWOOD (1985)	GALLAGHER		
70016	S.LON	PEMBA CHANNEL, KENYA	04 40	S	039 21	E	04OCT1985	02			LEATHERWOOD		
70017	S.LON	OMAN	13 35	N	051 50	E	06JAN1982	01		ALLING (1983)		RV TULIP	
70018	S.LON	OFFSHORE OF OMAN	16 45	N	054 11	E	09JAN1982	01		ALLING (1983)		RV TULIP	
70019	S.LON	OFFSHORE OF OMAN	18 40	N	057 47	E		01		ALLING (1983)		RV TULIP	
70020	S.LON	OFFSHORE OF OMAN	16 53	N	054 12	E	13JAN1982	01		ALLING (1983)		RV TULIP	
70021	S.LON	DAR ES SALAAM HARBOR,TANZANIA	06 45	S	039 10	E	28DEC1973	04	UDSM-M-181	HOWELL AND PEARSON (1977)			
70022	S.LON	SOUTH OF SODWANA BAY, NATAL	27 46	S	032 38	E	OCT1973	02		ROSS,COCKCROFT & CLIFF (1985)			
70023	S.LON	SOUTH OF SODWANA BAY, NATAL	27 47	S	032 38	E	NOV1983	02		ROSS,COCKCROFT & CLIFF (1985)			
70024	S.LON	OFFSHORE OF KAAP VIDAL, NATAL	28 02	S	032 35	E	OCT1974	02		LEATHERWOOD (1985)			
70025	S.LON	NATAL COAST, SOUTH AFRICA	28 52	S	032 00	E		04	PEM 1520/31	ROSS (1984)			
70026	S.LON	ALGOA BAY, SOUTH AFRICA	34 09	S	026 15	E	AUG1981	04	PEM-N778	LEATHERWOOD (1985)			
70027	S.LON	SOUTH AFRICA						04	(RMNH) #b	LEATHERWOOD (1985)			
70028	S.LON	SOUTH AFRICA						04	SAM37129	ROSS (1984)			
70029	S.LON	"SO.AFRICA OR FARTHER EAST"					1825-1838	04	(RMNH) 21.723	ROSS (1984)			
80001	S.LON	"INDIAN OCEAN"						04	(BUIT.MUSM)	LEATHERWOOD (1985)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATA REPORT (see APPENDIX 3 for "SERIAL NUM." region codes and for "TYPE" record codes).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
00001	S.ATT	HAWAII	24 01	N	166 40	W	25JUNE1980	01		ALVERSON (1981)		MV WHITE STAR	
00002	S.ATT	HAWAIIAN ISLANDS	25 00	N	167 00	W		01		ALVERSON (1981)		MV WHITE STAR	
00003	S.ATT	SW OF KAUAI, HAWAII	21 38	N	160 25	W				SHALLENBERGER (1981)			
10001	S.ATT	PARAPARA BEACH, NEW ZEALAND	40 53	S	174 59	E	1880'S	04	(DOMIN.MUSM.)	BAKER AND STEPHENSON (1972)			
10002	S.ATT	MALAITA, SOLOMON ISLANDS	09 00	S	161 00	E	30AUG1965	04	BMNH 196611182	BRITISH MUSEUM	W.H. DAWBIN		
10003	S.ATT	MARSHALL ISLANDS	04 59	N	172 05	E	05AUG1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10004	S.ATT	SOUTHWEST PACIFIC OCEAN	07 19	S	169 58	W	20APRIL1984	01			R. L. PITMAN	RV DISCOVERER	
10005	S.ATT	WEST OF GILBERT ISLANDS	01 00	S	168 12	E	02SEPT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10006	S.ATT	NEAR GILBERT ISLANDS	01 15	N	171 19	E	04SEPT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10007	S.ATT	GILBERT ISLANDS	00 20	N	172 11	E	05SEPT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10008	S.ATT	WEST OF GILBERT ISLANDS	02 48	S	172 58	E	07SEPT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10009	S.ATT	NORTH OF SOLOMON ISLANDS	07 52	S	162 39	E	22SEPT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
10010	S.ATT	MALAITA, SOLOMON ISLANDS	09 00	S	161 00	E	30AUG1965	04	BMNH 196611183	BRITISH MUSEUM	W.H.DAWBIN		
10011	S.ATT	MALAITA, SOLOMON ISLANDS	09 00	S	161 00	E	02AUG1965	04	BMNH 196611185	BRITISH MUSEUM	W.H.DAWBIN		
10012	S.ATT	MALAITA, SOLOMON ISLANDS	09 00	S	161 00	E	30AUG1965	04	BMNH 196611188	BRITISH MUSEUM	W.H.DAWBIN		
10013	S.ATT	NEW HEBRIDES	16 00	S	168 00	E		02		MARCHESSAUX (pers. comm.)			
10014	S.ATT	NORTH OF SOLOMON ISLANDS	02 00	S	162 25	E	30SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
10015	S.ATT	CAROLINE ISLANDS	05 10	N	163 13	E	04AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
10016	S.ATT	SOUTH OF MARSHALL ISLANDS	03 32	N	166 03	E	20OCT1979	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
10017	S.ATT	NORTHEAST OF GILBERT ISLANDS	04 55	N	179 12	E	27NOV1982	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
10018	S.ATT	60 MILES W. OF EBON ISLAND	04 30	N	167 00	E	09MAY1983	01		PATTERSON AND ALVERSON (1986)		MV OCEAN PEARL	
10019	S.ATT	VICINITY OF TUVALU	04 00	N	174 00	E	28MAY1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
10020	S.ATT	W. OF ARNO ISLAND, MARSHALL IS	07 00	N	170 50	E	09MAY1983	01		PATTERSON AND ALVERSON (1986)		MV OCEAN PEARL	
10021	S.ATT	SOLOMON ISLANDS	08 20	S	160 00	E	01MARCH1976	04	NSM24926	MIYAZAKI AND WADA (1978)			
10022	S.ATT	SOLOMON ISLANDS	08 09	S	160 04	E	01MARCH1976	01		MIYAZAKI AND WADA (1978)			
10023	S.ATT	ENEWETAK ATOLL, MARSHALL IS.	12 00	N	162 00	E		01		REESE (in press)			
10024	S.ATT	BTWN.HAWAII AND JAPAN	31 54	N	162 18	E	22JUNE1979	01		ALVERSON (1981)	TIM BEEDE	MV JEANETTE C	
10025	S.ATT	BTWN. HAWAII AND JAPAN	31 32	N	161 42	E	22JUNE1979	01		ALVERSON (1981)	TIM BEEDE	MV JEANETTE C	
10026	S.ATT	BTWN. HAWAII AND JAPAN	31 30	N	161 40	E	22JUNE1979	01		ALVERSON (1981)	TIM BEEDE	MV JEANETTE C	
10027	S.ATT	BTWN. HAWAII AND JAPAN	25 00	N	167 00	E		01		ALVERSON (1981)		MV WHITE STAR	
10028	S.ATT	BTWN. HAWAII AND JAPAN	31 59	N	162 18	E	22JUNE1979	01		ALVERSON (1981)		MV JEANETTE C	
10029	S.ATT	NEAR AMERICAN SAMOA	14 04	S	170 08	W	10JAN1979	01		ALVERSON (pers. comm.)	J. LAMBERT	MV LEILANI	
10030	S.ATT	WEST OF GILBERT ISLANDS	03 00	N	164 30	W	17NOV1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
10031	S.ATT	MARSHALL ISLANDS	10 30	N	166 35	W	23NOV1982	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
10032	S.ATT	NORTHEAST OF MARSHALL ISLANDS	13 00	N	174 00	W	18OCT1983	01		PATTERSON AND ALVERSON (1986)		MV PATRICIAN	
10033	S.ATT	COLD BAY, ALASKA	55 00	N	161 45	W	10SEPT1983	04	USNM550771	PERRIN ET AL (1987)			
10034	S.ATT	BTWN EAST CAPE& KERMADEC IS,NZ	35 00	S	180 00	E	NOV1975	01		BAKER (1983)	TUNA CAPT.		
10035	S.ATT	PHOENIX ISLANDS	02 47	S	174 13	W		04	(SPECIMEN LOST)	PEALE (1848)			
10036	S.ATT	GOLDEN BAY, NEW ZEALAND	40 45	S	173 00	E	1869			BAKER (1972)			
10037	S.ATT	BTWN.SUVA,FIJI,& TIKOPIA ISL.	15 22	S	172 42	E	11APRIL1986	01		LEATHERWOOD (1987)	LEATHERWOOD		
10038	S.ATT	S.W. PACIFIC OCEAN	01 26	S	147 12	E	05NOV1978	01		MASAKI AND KATO (1979a)			
10039	S.ATT	WEST PACIFIC OCEAN	01 54	S	161 26	E	25NOV1978	01		MASAKI AND KATO (1979a)			
10040	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E	1966	05		DAWBIN (1966)	W. H. DAWBIN		
10041	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 278	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10042	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 289	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10043	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 440	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10044	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 444	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10045	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 451	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10046	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 452	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10047	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 456	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10048	S.ATT	MALAITA, SOLOMON ISLANDS	08 00	S	161 30	E		04	DAWBIN 459	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10049	S.ATT	MALAITA, SOLOMON ISLANDS	08 25	S	160 45	E		04	AMM12384	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10050	S.ATT	MALAITA, SOLOMON ISLANDS	08 25	S	160 45	E		04	AMM12386-12397	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10051	S.ATT	MALAITA, SOLOMON ISLANDS	08 25	S	160 45	E		04	AMM12360-12364	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10052	S.ATT	MALAITA, SOLOMON ISLANDS	08 25	S	160 45	E		04	AMM12366-12382	AUSTRALIAN MUSEUM	W. H. DAWBIN		
10053	S.ATT	MALAITA, SOLOMON ISLANDS	08 25	S	160 45	E	1974	05	(FILM)	LEATHERWOOD (1987)	W. H. DAWBIN		
20001	S.ATT	WATERS OF SONGKHLA, THAILAND	07 03	N	101 00	E		04		PILLERI AND GIHR (1973-74)			
20002	S.ATT	NORTHERN AUSTRALIA	12 20	S	126 31	E	04OCT1984	06		HEMBREE (pers. comm.)	D. HEMBREE		
20003	S.ATT	CEBU ISLAND, PHILLIPINES	10 30	N	124 00	E	APR74-JUL75	01		HAMMOND AND LEATHERWOOD (1984)			
20004	S.ATT	EAST OF BISMARK ARCHIPEL	02 03	S	151 45	E	08OCT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
20005	S.ATT	EAST OF BISMARK ARCHIPEL	02 09	S	151 10	E	15OCT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
20006	S.ATT	EAST OF BISMARK ARCHIPEL	02 00	S	151 16	E	15OCT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
20007	S.ATT	EAST OF BISMARK ARCHIPEL	02 26	S	151 34	E	18OCT1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
20008	S.ATT	NORTH OF NEW GUINEA	00 00		143 52	E	14NOV1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20009	S.ATT	NORTH OF NEW GUINEA	03 03	S	145 15	E	17NOV1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20010	S.ATT	NORTH OF NEW GUINEA	03 03	N	140 38	E	27NOV1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20011	S.ATT	NORTH OF NEW GUINEA	04 13	S	146 27	E	01DEC1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20012	S.ATT	NORTH OF NEW GUINEA	04 33	S	146 42	E	01DEC1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20013	S.ATT	NEW GUINEA	04 43	S	147 00	E	01DEC1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20014	S.ATT	NEW GUINEA	05 21	S	147 19	E	12JAN1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20015	S.ATT	BISMARK ARCHIPEL	01 19	S	151 23	E	25JAN1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20016	S.ATT	NORTH OF NEW GUINEA	02 07	S	145 55	E	11FEB1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20017	S.ATT	NORTH OF NEW GUINEA	00 31	S	144 04	E	02MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20018	S.ATT	NORTH OF NEW GUINEA	01 50	S	143 53	E	08MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20019	S.ATT	NORTH OF NEW GUINEA	02 05	S	144 50	E	08MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20020	S.ATT	NORTH OF NEW GUINEA	03 00	S	148 08	E	13MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20021	S.ATT	BISMARK ARCHIPEL	02 58	S	148 41	E	13MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20022	S.ATT	NORTH OF BISMARK ARCHIPEL	01 18	N	145 28	E	13DEC1977	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20023	S.ATT	SOUTH OF CAROLINE ISLANDS	06 11	N	150 44	E	02AUG1980	01		ALVERSON (1981)		MV WHITE STAR	
20024	S.ATT	NORTHERN AUSTRALIA	15 00	S	125 00	E	1981-1984	06		HARWOOD ET AL (1984)			
20025	S.ATT	NEAR CAROLINE ISLANDS	06 19	N	159 04	E	26JULY1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20026	S.ATT	NEAR NEW BRITAIN	04 20	S	152 25	E	09SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20027	S.ATT	NEAR NEW BRITAIN	04 28	S	152 25	E	15SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20028	S.ATT	NORTH NEW GUINEA	02 50	S	140 13	E	18SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20029	S.ATT	NORTH NEW GUINEA	01 32	S	140 41	E	23SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20030	S.ATT	BISMARK ARCHIPEL	01 03	S	153 30	E	28SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20031	S.ATT	NORTH OF NEW IRELAND	01 03	S	154 31	E	28SEPT1976	01		ALVERSON (1981)		MV MARY ELIZABETH	
20032	S.ATT	NORTH OF NEW GUINEA	03 52	S	146 43	E	09AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20033	S.ATT	NORTH NEW GUINEA	00 28	N	135 09	E	11AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20034	S.ATT	NORTH NEW GUINEA	00 34	S	139 23	E	16AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20035	S.ATT	NEAR NEW IRELAND	02 44	S	152 11	E	15AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20036	S.ATT	SOUTH OF CAROLINE ISLANDS	04 48	N	149 54	E	07NOV1978	04	NSM25377	MIYAZAKI (1986)			
20037	S.ATT	NORTH OF NEW GUINEA	04 56	S	146 29	E	17AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20038	S.ATT	NORTH OF NEW GUINEA	01 17	S	144 19	E	25AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20039	S.ATT	NORTH OF NEW GUINEA	01 57	S	144 19	E	25AUG1976	01		ALVERSON (1981)		MV ZAPATA PATHFINDER	
20040	S.ATT	BANDA SEA	03 48	S	125 43	E	21AUG1976	01		ALVERSON (1981)		MV APOLLO	
20041	S.ATT	BANDA SEA	08 10	S	125 10	E	22AUG1976	01		ALVERSON (1981)		MV APOLLO	
20042	S.ATT	NEAR PALAU ISLANDS	04 06	N	144 57	E	1981	01		PATTERSON AND ALVERSON (1986)	CPT.B. SILVA	MV FRONTIER	
20043	S.ATT	SOUTH OF CAROLINE ISLANDS	04 26	N	144 38	E	1981	01		PATTERSON AND ALVERSON (1986)	CPT.B. SILVA	MV FRONTIER	
20044	S.ATT	SOUTH OF CAROLINE ISLANDS	06 13	N	142 10	E	1981	01		PATTERSON AND ALVERSON (1986)	CPT.B. SILVA	MV FRONTIER	
20045	S.ATT	EAST OF NEW IRELAND	02 40	S	154 36	E	17MAR1978	01		SOUTER AND BROADHEAD (1978)		MV JEANETTE C	
20046	S.ATT	BISMARK ARCHIPEL	00 15	S	150 50	E	16NOV1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20047	S.ATT	BISMARK ARCHIPEL	00 25	S	152 05	E	16NOV1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
20048	S.ATT	BISMARK ARCHIPEL	00 28	S	152 11	S	16NOV1983	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
20049	S.ATT	PHILIPPINE SEA	14 50	N	138 28	E	25JAN1976	01		MIYAZAKI AND WADA (1978)			
20050	S.ATT	SOUTHEAST OF PHILIPPINES	04 52	N	138 35	E	27JAN1976	01		MIYAZAKI AND WADA (1978)			
20051	S.ATT	NORTHEAST OF NEW IRELAND	01 09	S	157 49	E	14FEB1976	04	NSM24925	MIYAZAKI AND WADA (1978)			
20052	S.ATT	EAST OF BISMARK ARCHIPEL	02 20	S	159 49	E	16FEB1976	01		MIYAZAKI AND WADA (1978)			
20053	S.ATT	NORTH OF SOLOMON ISLANDS	06 37	S	159 35	E	02MARCH1976	04	NSM24924	MIYAZAKI AND WADA (1978)			
20054	S.ATT	NORTH OF SOLOMON ISLANDS	06 00	S	159 15	E	02MARCH1976	04	NSM24927	MIYAZAKI AND WADA (1978)			
20055	S.ATT	NEAR NEW IRELAND	04 20	S	155 51	E	05MARCH1976	01		MIYAZAKI AND WADA (1978)			
20056	S.ATT	NEAR NEW IRELAND	03 48	S	155 04	E	05MARCH1976	01		MIYAZAKI AND WADA (1978)			
20057	S.ATT	NEAR NEW IRELAND	03 25	S	153 44	E	06MARCH1976	01		MIYAZAKI AND WADA (1978)			
20058	S.ATT	NEAR NEW IRELAND	03 06	S	153 31	E	06MARCH1976	01		MIYAZAKI AND WADA (1978)			
20059	S.ATT	NEAR NEW IRELAND	01 49	S	151 53	E	07MARCH1976	01		MIYAZAKI AND WADA (1978)			
20060	S.ATT	COFFS HARBOUR, AUSTRALIA	30 16	S	153 09	E	15JUNE1984	01		AUSTR.PRKS.&WLDLFE.SERV.(1986)			
20061	S.ATT	BANDA SEA, INDONESIA	06 00	S	126 00	E	1840	04	(MNHN) A-3028	WAGNER (1846)			
20062	S.ATT	PULO BERHOLA, MALAYSIA	03 00	N	104 00	E	14FEB1906	04	USMN49873	LEATHERWOOD AND CLARKE (1983)	W.L. ABBOTT		
20063	S.ATT	THAILAND	10 00	N	100 00	E	23DEC1970	04	NSM24852	MIYAZAKI (1986)			
20064	S.ATT	SOUTH OF PALAU ISLAND	05 14	N	131 03	E	27OCT1978	04	NSM25371	MIYAZAKI (1986)			
20065	S.ATT	SOUTH OF CAROLINE ISLANDS	02 56	N	149 24	E		04	NSM25374	MIYAZAKI (1986)			
20066	S.ATT	SOUTH OF CAROLINE ISLANDS	04 27	N	149 54	E	07NOV1978	04	NSM25375	MIYAZAKI (1986)			
20067	S.ATT	NEAR SOLOMON ISLANDS	08 20	S	160 00	E	01MARCH1978	04	NSM24926	MIYAZAKI (1986)			
20068	S.ATT	NORTHERN AUSTRALIA					1985-86	06		AUSTR.PRKS.&WLDLFE SERV.(1986)			
20069	S.ATT	NEAR SINGAPORE, MALAYSIA	01 30	N	105 00	E		04	MNHN-1882-113	PERRIN ET AL (1987)			
20070	S.ATT	BANDA SEA,INDONESIA	06 00	S	126 00	E		04	GAL.ZOOL.21	LEATHERWOOD (1985) & MNHN			
20071	S.ATT	STRAIT OF MALACCA	02 00	N	102 30	E	09APRIL1902	04	USNM49633	LEATHERWOOD AND CLARKE (1983)			
20072	S.ATT	LAMALERA, LOMBLEN, INDONESIA	08 15	S	123 00	E	1979	01		HEMBREE (1979)			
20073	S.ATT	NORTHERN AUSTRALIA WATERS						06		HARWOOD ET AL (1984)			
20074	S.ATT	NORTH OF CAROLINE ISLANDS	10 35	N	147 48	E	26AUG1979	01		ALVERSON (1981)		MV ISLAND PRINCESS	
20075	S.ATT	NORTH OF BISMARK ARCHIPEL	01 00	N	147 30	E	11DEC1982	01		PATTERSON AND ALVERSON (1986)		MV CAROLYN M	
20076	S.ATT	THAILAND	12 00	N	100 00	E		04	(TAXIDERM.SPEC)	PILLERI AND GIHR (1973-74)			
20077	S.ATT	THAILAND	12 00	N	100 00	E		04	(SKULL)	PILLERI AND GIHR (1973-74)			
20078	S.ATT	SAVU SEA (NEAR LAMALERA)	08 26	S	123 12	E	30AUG1979	05		HEMBREE (1979)	D. HEMBREE		
20079	S.ATT	BROADWATER,GOLD COAST,AUSTRAL.	27 25	S	158 20	E		04	(QUEENSLND.MUS)	AUSTR.PRKS.&WLDLFE.SERV.(1986)			
20080	S.ATT	WEST PACIFIC OCEAN	05 10	N	131 05	E	27OCT1978	01		MASAKI AND KATO (1979a)			
20081	S.ATT	WEST PACIFIC OCEAN	05 01	N	131 11	E	27OCT1978	01		MASAKI AND KATO (1979a)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
20082	S.ATT	WEST PACIFIC OCEAN	00 37	N	137 44	E	31OCT1978	01		MASAKI AND KATO (1979a)			
20083	S.ATT	WEST PACIFIC OCEAN	00 30	N	139 11	E	01NOV1978	01		MASAKI AND KATO (1979a)			
20084	S.ATT	WEST PACIFIC OCEAN	00 02	N	140 27	E	02NOV1978	01		MASAKI AND KATO (1979a)			
20085	S.ATT	WEST PACIFIC OCEAN	01 26	S	147 12	E	05NOV1978	01		MASAKI AND KATO (1979a)			
20086	S.ATT	WEST PACIFIC OCEAN	02 13	N	156 42	E	16NOV1978	01		MASAKI AND KATO (1979a)			
20087	S.ATT	WEST PACIFIC OCEAN	05 01	S	156 02	E	27NOV1978	01		MASAKI AND KATO (1979a)			
20088	S.ATT	WEST PACIFIC OCEAN	14 25	S	123 25	E	12DEC1978	01		MASAKI AND KATO (1979a)			
20089	S.ATT	NORTH OF NEW GUINEA	02 59	N	149 24	E	06NOV1978	05		MASAKI AND KATO (1979b)			
20090	S.ATT	SOUTHWEST PACIFIC OCEAN	01 25	N	144 12	E	15AUG1981	01		ALVERSON (pers. comm.)	F. BURNS	MV ISLAND PRINCESS	
30001	S.ATT	TAIWAN (FORMOSA)	24 00	N	121 00	E		04	NSM24823	MIYAZAKI (1986)			
30002	S.ATT	NORTHEAST OF THE MARIANAS	20 39	N	149 37	E	24MARCH1981	04	NSM23655	MIYAZAKI (1986)			
30003	S.ATT	TAIJI, JAPAN	33 36	N	135 56	E	12FEB1973	05		KASUYA ET AL (1974)			
30004	S.ATT	TAIJI, JAPAN	33 36	N	135 56	E	02FEB1973	04	NSM25227	MIYAZAKI (1986)			
30005	S.ATT	TAIJI, JAPAN	33 36	N	135 56	E	02JULY1973	05		KASUYA ET AL (1974)			
30006	S.ATT	TAIJI, JAPAN	33 36	N	135 56	E	08AUG1973	05		KASUYA ET AL (1984)			
30007	S.ATT	KAWANA, JAPAN	34 57	N	139 08	E	13NOV1972			KASUYA ET AL (1974)			
30008	S.ATT	FUTO, JAPAN	34 52	N	139 06	E	16NOV1972			KASUYA ET AL (1974)			
30009	S.ATT	OFF JAPAN	33 38	N	136 16	E	22JUNE1980	01		KASUYA (pers. comm.)	T. KASUYA	HAKUHOMARU No. 80	0010
30010	S.ATT	NAGASAKI FISH MARKET, JAPAN	32 40	N	129 50	E	12AUG1935			MIYAZAKI ET AL (1974)			
30011	S.ATT	ARIKAWA, JAPAN	33 00	N	129 06	E	20OCT1961			MIYAZAKI ET AL (1974)			
30012	S.ATT	NEAR OKINAWA, JAPAN	26 40	N	124 50	E	10DEC1967			MIYAZAKI ET AL (1974)			
30013	S.ATT	NORTHEAST OF IWO JIMA	25 55	N	143 38	E	22JAN1972			MIYAZAKI ET AL (1974)			
30014	S.ATT	NORTH OF IWO JIMA	25 32	N	142 00	E	22JAN1972			MIYAZAKI ET AL (1974)			
30015	S.ATT	NORTH OF IWO JIMA	25 22	N	142 43	E	22JAN1972			MIYAZAKI ET AL (1974)			
30016	S.ATT	SOUTHWEST OF MARCUS ISLAND	23 30	N	151 42	E	07FEB1972			MIYAZAKI ET AL (1974)			
30017	S.ATT	WEST OF MARCUS ISLAND	23 35	N	151 35	E	07FEB1972			MIYAZAKI ET AL (1974)			
30018	S.ATT	WEST OF MARCUS ISLAND	24 05	N	149 09	E	08FEB1972			MIYAZAKI ET AL (1974)			
30019	S.ATT	OFF JAPAN	31 28	N	134 36	E	23MAY1973			MIYAZAKI ET AL (1974)			
30020	S.ATT	OFF JAPAN	32 03	N	135 01	E	23MAY1973			MIYAZAKI ET AL (1974)			
30021	S.ATT	OFF JAPAN	33 19	N	137 52	E	24MAY1973			MIYAZAKI ET AL (1974)			
30022	S.ATT	BTWN. IWO JIMA AND BONIN ISL.	26 41	N	143 07	E	16MARCH1976	01		MIYAZAKI AND WADA (1978)			
30023	S.ATT	ONAHAMA, JAPAN	37 00	N	140 55	E	20AUG1972			MIYAZAKI ET AL (1974)			
30024	S.ATT	OFF JAPAN	36 37	N	148 46	E	23JULY1984	04	NSM26402	MIYAZAKI (1986)	T.KASUYA	TOSHIMARU No.25	0002
30025	S.ATT	EAST OF OKINAWA	27 10	N	129 22	E	25FEB1984	04	NSM26399	MIYAZAKI (1986)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
30026	S.ATT	JAPAN	31 48	N	131 41	E	15FEB1982	04	NSM25231	MIYAZAKI (1986)			
30027	S.ATT	OFF GOTO ISLAND, JAPAN	33 00	N	128 30	E	23JULY1935	04	NSM5101	MIYAZAKI (1986)			
30028	S.ATT	OFF JAPAN	35 02	N	146 42	E	30JULY1984	01		KASUYA (pers. comm.)	T. KASUYA	TOSHIMARU No.25	0002
30029	S.ATT	OFF JAPAN	36 01	N	147 20	E	29JULY1984	01		KASUYA (pers. comm.)	T. KASUYA	TOSHIMARU No.25	0002
30030	S.ATT	OFF JAPAN	36 25	N	144 46	E	28JULY1984	01		KASUYA (pers. comm.)	T. KASUYA	TOSHIMARU No.25	0002
30031	S.ATT	300KM SE OF SHANTOU,NANHAI SEA	22 20	N	118 00	E	08MARCH1978	04	NJNU7803	ZHOU ET AL (1980)			
30032	S.ATT	ARARI AND IZU PENINSULA,JAPAN	26 14	N	127 46	E				MARCUZZI & PILLERI (1971)			
30033	S.ATT	KII PENINSULA, JAPAN	34 11	N	136 19	E		05		MIYAZAKI (1983)			
30034	S.ATT	SHIZUOKA PREFECTURE, JAPAN	34 59	N	138 24	E		05		MIYAZAKI (1983)			
30035	S.ATT	OSAKA, MIE, WAKAYAMA, JAPAN	39 14	N	141 58	E		05		MIYAZAKI (1983)			
30036	S.ATT	NAGASAKI,OKINAWA, JAPAN	31 09	N	130 34	E		05		MIYAZAKI (1983)			
30037	S.ATT	ITO, SHIZUOKA PREFEC., JAPAN	34 59	N	138 24	E	1967	04	NSM24624-24626	MIYAZAKI (1986)			
30038	S.ATT	ITO, SHIZUOKA PREFEC., JAPAN	34 59	N	138 24	E	10NOV1970	04	NSM24845-24849	MIYAZAKI (1986)			
30039	S.ATT	KAWANA, SHIZUOKA PREFEC.,JAPAN	34 59	N	138 24	E	26OCT1982	04	NSM25228	MIYAZAKI (1986)			
30040	S.ATT	FUTO,SHIZUOKA PREFEC., JAPAN	34 59	N	138 24	E	13OCT1982	04	NSM25105-25154	MIYAZAKI (1986)			
30041	S.ATT	OFF JAPAN	37 43	N	143 25	E	25JULY1984	01		KASUYA (pers. comm.)	T. KASUYA	TOSHIMARU No.25	0002
30042	S.ATT	OFF JAPAN	37 38	N	143 50	E	24JULY1984	01		KASUYA (pers. comm.)	T. KASUYA	TOSHIMARU No.25	0002
30043	S.ATT	OFF JAPAN	32 38	N	134 04	E	27FEB1983	04	NSM25223	MIYAZAKI (1986)			
30044	S.ATT	NORTH OF OKINAWA, JAPAN	26 45	N	127 45	E		01		UCHIDA (1985)			
30045	S.ATT	KAWANA, JAPAN	34 57	N	139 08	E	23OCT1970			KAYSUA ET AL (1974)			
30046	S.ATT	OFFSHORE OF OKINAWA, JAPAN	26 50	N	127 40	E		01		UCHIDA (1985)			
30047	S.ATT	NORTH OF OKINAWA, JAPAN	26 55	N	127 35	E		01		UCHIDA (1985)			
30048	S.ATT	KAWANA, JAPAN	34 57	N	139 08	E	04NOV1972			KASUYA ET AL (1974)			
30049	S.ATT	NORTH OF OKINAWA, JAPAN	26 35	N	127 30	E		01		UCHIDA (1985)			
30050	S.ATT	NORTH OF OKINAWA, JAPAN	26 40	N	127 30	E		01		UCHIDA (1985)			
30051	S.ATT	OKINAWA ISLANDS, JAPAN	31 09	N	130 34	E	SEPT1979	03		UCHIDA (pers. comm.)	S. UCHIDA		
30052	S.ATT	WAKAYAMA PREFECTURE, JAPAN	39 10	N	142 00	E	1984	06		ANON. (1986)			
30053	S.ATT	300KM SE OF SHANTOU,NANHAI SEA	22 20	N	118 00	E	08MARCH1978	04	NJNU7804	ZHOU ET AL (1980)			
30054	S.ATT	ARARI, JAPAN	34 00	N	138 00	E	07JUNE1964	04	TKO102-TKO104	PERRIN ET AL (1987)			
30055	S.ATT	JAPAN						04	BMNH1966.6.14.1	PERRIN ET AL (1987)			
40001	S.ATT	BAY OF BENGAL	14 30	N	089 00	E	13APRIL1983	01		LEATHERWOOD ET AL (1984)			
40002	S.ATT	NORTH.INDIAN OCEAN	10 12	N	075 34	E	10FEB1982	01		ALLING (1985)			
40003	S.ATT	OFF SOUTHWEST INDIA	08 03	N	075 34	E	22NOV1983	01		LEATHERWOOD (1985)			
40004	S.ATT	SUNDARBANS, BAY OF BENGAL	22 00	N	090 00	E				LEATHERWOOD AND CLARKE (1983)			
50001	S.ATT	NORTHEAST SEYCHELLE ISLANDS	03 00	S	058 00	E	24APRIL1983	01		LEATHERWOOD ET AL (1984)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
50002	S.ATT	SOUTHWEST OF MALDIVE ISLANDS	03 30	N	072 30	E	21APRIL1983	01		LEATHERWOOD ET AL (1984)			
50003	S.ATT	EAST OF MALDIVE ISLANDS	06 00	N	077 00	E	19APRIL1983	01		LEATHERWOOD ET AL (1984)			
50004	S.ATT	AMIRANTE ISLANDS	07 00	S	053 45	E	15FEB1893	04	USMN No.36050	TRUE (1894)	W.L. ABBOTT		
50005	S.ATT	SEYCHELLE ISLANDS	04 30	N	055 30	E	1873	04	BMNH 1873.735	LEATHERWOOD (1985)			
50006	S.ATT	NE OF ALDABRA IS.,SEYCHELLES					MAY-JUNE 80	01		LEATHERWOOD (1985)			
50007	S.ATT	PROVIDENCE ISLAND, SEYCHELLES	09 14	S	051 02	E	12AUG1892	04	USNM No.36051	TRUE (1894)	W. L. ABBOTT		
50008	S.ATT	AMIRANTE ISLANDS, INDIAN O.	07 00	S	053 45	E	12FEB1893	04	USNM No.36049	TRUE (1894)			
50009	S.ATT	ALPHONSE IS., ADMIRANTES	07 05	S	052 50	E		04	USNM No.36131	TRUE (1894)			
50010	S.ATT	MALE ATOLL, MALDIVES	04 00	N	073 28	E	1981	02		PETERS (pers. comm.)	C. PETERS		
50011	S.ATT	SEYCHELLE ISLANDS	04 30	N	055 30	E		04	BMNH 18695212	LEATHERWOOD (1985)			
50012	S.ATT	JOHANNA ISLAND, SEYCHELLES	04 15	S	055 45	E	15JAN1893	04	USNM No.36048	TRUE (1894)	W. L. ABBOTT		
50013	S.ATT	SEYCHELLE ISLANDS	04 30	N	055 30	E		04	BMNH 347e	PERRIN ET AL (1987)			
50014	S.ATT	SEYCHELLE ISLANDS	04 30	N	055 30	E		04	BMNH 347f	PERRIN ET AL (1987)			
60001	S.ATT	NORTHWEST OF SRI LANKA	08 01	N	079 45	E	04MARCH1983	01		LEATHERWOOD ET AL (1984)			
60002	S.ATT	WEST OF SRI LANKA	06 58	N	079 43	E	04MARCH1983	01		LEATHERWOOD ET AL (1984)			
60003	S.ATT	NORTHEAST OF SRI LANKA	09 38	N	081 00	E	16APRIL1983	01		LEATHERWOOD ET AL (1984)			
60004	S.ATT	NORTHEAST OF SRI LANKA	09 36	N	081 08	E	16APRIL1983	01		LEATHERWOOD ET AL (1984)			
60005	S.ATT	3 NM SEAWARD PUTTALAM,SRI LAN.	08 00	N	079 45	E	04MARCH1983	01		LEATHERWOOD ET AL (1984)			
60006	S.ATT	3.5 NM OFF PUTTALAM, SRI LANKA	08 01	N	079 43	E	04MARCH1983	01		LEATHERWOOD ET AL (1984)			
60007	S.ATT	SRI LANKA	06 21	N	079 40	E	19FEB1982	01		ALLING (1985)			
60008	S.ATT	SRI LANKA	06 07	N	079 50	E	28JAN1983	01		ALLING (1985)			
60009	S.ATT	SRI LANKA	08 08	N	082 08	E	10MARCH1983	01		ALLING (1985)			
60010	S.ATT	SRI LANKA	08 34	N	081 39	E	12MARCH1983	01		ALLING (1985)			
60011	S.ATT	SRI LANKA	08 38	N	081 30	E	06MARCH1984	01		ALLING (1985)			
60012	S.ATT	SRI LANKA	08 35	N	081 25	E	07MARCH1984	01		ALLING (1985)			
60013	S.ATT	SRI LANKA	09 10	N	081 12	E	16MARCH1984	01		ALLING (1985)			
60014	S.ATT	SRI LANKA	08 54	N	081 13	E	01APRIL1984	01		ALLING (1985)			
60015	S.ATT	SRI LANKA	09 27	N	080 58	E	08APRIL1984	01		ALLING (1985)			
60016	S.ATT	SRI LANKA	09 10	N	081 07	E	25APRIL1984	01		ALLING (1985)			
60017	S.ATT	TRINCOMALLE, SRI LANKA	08 30	N	081 25	E	JAN84-APR85	06		PREMATUNGA ET AL (1985)			
60018	S.ATT	SRI LANKA	09 00	N	081 00	E		04	GAL.ZOOL.No.18	(MNHN)	DUSSUMIER		
60019	S.ATT	KODDIYAR BAY, SRI LANKA	08 30	N	081 30	E	28FEB1983	01		LEATHERWOOD ET AL (1984)			
60020	S.ATT	SW OF DONDRA HEAD, SRI LANKA	06 00	N	080 30	E	07MAY1985	01		GUNARATNA ET AL (1985)			
60021	S.ATT	SRI LANKA	09 24	N	080 59	E	09APRIL1984	01		ALLING (1985)			
60022	S.ATT	SW OF DONDRA HEAD, SRI LANKA	05 53	N	080 33	E	07MAY1985	01		GUNARATNA ET AL (1985)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
60023	S.ATT	TRINCOMALEE, SRI LANKA	08 40	N	081 20	E	20FEB1983	06		LEATHERWOOD (1985)	A. ALLING		
60024	S.ATT	TRINCOMALEE, SRI LANKA	08 40	N	081 20	E	09FEB1983	06		LEATHERWOOD (1985)	A. ALLING		
60025	S.ATT	SRI LANKA	09 00	N	081 00	E		04	BMNH 181910132	LEATHERWOOD (1985)			
60026	S.ATT	SRI LANKA	09 00	N	081 00	E		04	BMNH 19484201	LEATHERWOOD (1985)			
60027	S.ATT	SRI LANKA	09 00	N	081 00	E		04	BMNH 194910271	LEATHERWOOD (1985)			
60028	S.ATT	SRI LANKA	09 00	N	081 00	E		04	BMNH 194910272	LEATHERWOOD (1985)			
60029	S.ATT	COLOMBO, SRI LANKA	09 00	N	081 00	E		04	(COL.MUSM.)92-3	LEATHERWOOD (1985)			
70001	S.ATT	KOSEIR, RED SEA	26 04	N	034 15	E	1874?	04	ZMB31975	ZOOLOGISCHES MUSEUM, BERLIN	C.KLUNZINGER		
70002	S.ATT	KOSEIR, RED SEA	26 04	N	034 15	E	1877	04	LIZ6886	INSTITUTE OF ZOOLOGY,LENINGRAD	C.KLUZINGER		
70003	S.ATT	INDIAN OCEAN	28 20	S	060 00	E		04	UZMC-CN15	UNIV.ZOOLOG.MUSM.COPENHAGEN	LUTKEN		
70004	S.ATT	NORTH.INDIAN OCEAN	12 24	N	044 33	E	30DEC1981	01		ALLING (1985)			
70005	S.ATT	OFF SOUTH AFRICA	35 00	S	022 00	E		01		PERRIN ET AL (1987)			
70006	S.ATT	OFF SOUTH AFRICA	30 04	S	031 27	E	17DEC1973	01		GAMBELL ET ALL (1975)			
70007	S.ATT	MADAGASCAR	15 00	S	045 00	E	1838	04	MNHN-1928-162	LEATHERWOOD (1985)	DUSSUMIER		
70008	S.ATT	MADAGASCAR	15 00	S	045 00	E	1838	04	(MNHN) A-3037	LEATHERWOOD (1985)	DUSSUMIER		
70009	S.ATT	SOUTH INDIAN OCEAN	21 42	S	055 25	E	03DEC1973	04	SAM36952	GAMBELL ET AL (1975)		MV PIETER MOLENAR	
70010	S.ATT	MPELANE, SOUTH AFRICA	28 24	S	032 26	E	SEPT1977	04	PEM1520/85	ROSS (1984)			
70011	S.ATT	NATAL COAST, SOUTH AFRICA	28 00	S	030 20	E	1977	04	PEM1520/84	ROSS (1984)			
70012	S.ATT	NATAL COAST, SOUTH AFRICA	28 00	S	030 20	E	1976	04	PEM1520/33	ROSS (1984)			
70013	S.ATT	NATAL, SOUTH AFRICA	28 00	S	030 20	E	1976	04	PEM1520/32	ROSS (1984)			
70014	S.ATT	DURBAN, SOUTH AFRICA	29 50	S	031 00	E	FEB1972	04	PEM1517/81	ROSS (1984)			
70015	S.ATT	DURBAN, SOUTH AFRICA	29 50	S	031 00	E	04JULY1964	04	SAM35515	ROSS (1984)			
70016	S.ATT	OFF SOUTH AFRICA	30 26	S	030 54	E	05FEB1972	04	SAM38869	ROSS (1984)			
70017	S.ATT	MTUNZINI, SOUTH AFRICA	28 59	S	031 43	E	14OCT1971	04	PEM1517/68	ROSS (1984)			
70018	S.ATT	NATAL COAST?, SOUTH AFRICA	28 00	S	031 20	E	NOV1970	04	PEM (no number)	ROSS (1984)			
70019	S.ATT	SOUTH AFRICA	30 03	S	031 08	E	19AUG1969	04	SAM36177	ROSS (1984)			
70020	S.ATT	SOUTH AFRICA	32 00	S	051 00	E	04APRIL1828	04		ARVY (1972)			
70021	S.ATT	SIHAM,OMAN, PERSIAN GULF	24 08	N	057 00	E	12MARCH1973	04	BMNH 73.1749	ROBINEAU AND ROSE (1984)	MD GALLAGHER		
70022	S.ATT	SOUTH INDIAN OCEAN	20 43	S	050 48	E	08DEC1973	01		GAMBELL ET AL (1975)			
70023	S.ATT	OFF SOUTH AFRICA	31 20	S	031 51	E	03FEB1974	01		GAMBELL ET AL (1975)			
70024	S.ATT	SOUTH INDIAN OCEAN	34 06	S	057 07	E	25JAN1974	01		GAMBELL ET AL (1975)			
70025	S.ATT	SOUTH INDIAN OCEAN	34 00	S	057 28	E	25JAN1974	01		GAMBELL ET AL (1975)			
70026	S.ATT	SOUTH INDIAN OCEAN	32 31	S	066 54	E	23JAN1974	01		GAMBELL ET AL (1975)			
70027	S.ATT	SOUTH INDIAN OCEAN	32 05	S	066 34	E	22JAN1974	01		GAMBELL ET AL (1975)			
70028	S.ATT	SOUTH INDIAN OCEAN	31 04	S	058 50	E	20JAN1974	01		GAMBELL ET AL (1975)			
70029	S.ATT	SOUTH INDIAN OCEAN	31 05	S	052 03	E	18JAN1974	01		GAMBELL ET AL (1975)			

APPENDIX 4. PANTROPICAL SPOTTED DOLPHIN DISTRIBUTION DATABASE REPORT (continued).

SERIAL NUM.	SPECIES	LOCATION	LAT.	NS	LONG.	EW	RECORD DATE	TYPE	MUSEUM SPECIMEN NUMBER	REFERENCE	OBSERVER	VESSEL NAME	CRUISE NUMBER
70030	S.ATT	SOUTH INDIAN OCEAN	30 59	S	040 09	E	14JAN1974	01		GAMBELL ET AL (1975)			
70031	S.ATT	SOUTH INDIAN OCEAN	35 30	S	042 39	E	04JAN1974	01		GAMBELL ET AL (1975)			
70032	S.ATT	SOUTH INDIAN OCEAN	32 34	S	030 28	E	21DEC1973	01		GAMBELL ET AL (1975)			
70033	S.ATT	SOUTH INDIAN OCEAN	30 03	S	031 07	E	20DEC1973	01		GAMBELL ET AL (1975)			
70034	S.ATT	BTWN. EQUATOR AND SRI LANKA	03 30	N	082 00	E		04	GAL.ZOOL.17	CUVIER (1829) & MNHN	DUSSUMIER		
70035	S.ATT	BAY OF BENGAL	14 15	N	092 30	E	10APRIL1982	01		LEATHERWOOD AND CLARKE (1983)			
70036	S.ATT	WEST OF SRI LANKA	06 55	N	076 30	E	19NOV1983	01		LEATHERWOOD (1985)			
70037	S.ATT	WEST OF SRI LANKA	06 56	N	079 29	E	12NOV1983	01		LEATHERWOOD (1985)			
70038	S.ATT	BAY OF BENGAL	13 30	N	084 15	E	12APRIL1982			LEATHERWOOD AND CLARKE (1983)			
70039	S.ATT	BAY OF BENGAL	14 00	N	089 30	E	11APRIL1982	01		LEATHERWOOD AND CLARKE (1983)			
70040	S.ATT	MALINDI, KENYA	03 15	S	040 08	E	29JUNE1934	04	MCZ31734	LEATHERWOOD (1985)	A. LOVERIDGE		
70041	S.ATT	SUR, OMAN	22 40	N	059 30	E		04	BMNH 1980.792	LEATHERWOOD (1985)	MD GALLAGHER		
70042	S.ATT	DJIBOUTI	11 35	N	043 11	E		04	MNHN 1981-185	ROBINEAU AND ROSE (1984)	J.N. ROSE		
70043	S.ATT	OFF SOUTH AFRICA	31 27	S	030 14	E		01		ROSS (1984)			
70044	S.ATT	OFF SOUTH AFRICA	20 43	S	050 48	E	08DEC1973	01		GAMBELL ET AL (1975)			
70045	S.ATT	SOUTH AFRICA						04	BMNH-18782111	PERRIN ET AL (1987)			
70046	S.ATT	MADAGASCAR	15 00	S	045 00	E		04	(TECH.INS.SWED)	PERRIN ET AL (1987)			
80001	S.ATT	INDIAN OCEAN						04	(MNHN) A-3029	LEATHERWOOD (1985)	M. LANTZ		
80002	S.ATT	INDIA						04	BMNH 347a	LEATHERWOOD (1985)			
80003	S.ATT	ARABIAN SEA						01		LEATHERWOOD AND CLARKE (1983)			
80004	S.ATT	INDIAN OCEAN						04	RMNH cat.b,#19	PERRIN ET AL (1987)			
80005	S.ATT	INDIAN OCEAN						04	NARA MUSM.#C	LEATHERWOOD (1985)			
80006	S.ATT	INDIAN OCEAN						04	NARA MUSM.#B	LEATHERWOOD (1985)			
80007	S.ATT	INDONESIA						04	MNHN-1882-305	PERRIN ET AL (1987)			

Appendix 5. Acronyms and abbreviations for museums and collections.

AMM	=	Australian Museum, Sydney
BUIT.MUSM.	=	Buitenzorg Museum
BMNH	=	British Museum (Natural History), London
COL. MUSM.	=	Colombo Museum, Sri Lanka
COL.OF SURG.	=	College of Surgeons, Sri Lanka
DOMIN.MUSM.	=	Dominion Museum, New Zealand
FM	=	Field Museum of Natural History, Chicago
LIZ	=	Institute of Zoology, Leningrad
MCZ	=	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts
MNHN	=	Museum National d'Histoire Naturelle, Paris
MZB	=	Museum Zoologicum Bogoriense, Java
NARA	=	National Aquatic Resources Agency, Colombo, Sri Lanka
NSM	=	National Science Museum, Tokyo
NJNU	=	Nanjing Normal University, People's Republic of China
PEM	=	Port Elizabeth Museum, Port Elizabeth, South Africa
QUEENSLND.MUS.	=	Queensland Museum, Australia
RMNH	=	Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands
SAM	=	South African Museum, Cape Town
TECH.INS.SWED.	=	Technological Institute, Norrkoping, Sweden
TKO	=	Ocean Science Institute, University of Tokyo*
UDSM	=	University of Dar es Salaam, Tanzania
USNM	=	U.S. National Museum of Natural History, Washington, D.C.
UZMC	=	Universitets Zoologiske Museum, Copenhagen
ZMA	=	Zoologisch Museum, University of Amsterdam
ZMB	=	Zoologisches Museum, Berlin

*TKO cetacean specimens now at National Science Museum, Tokyo.

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