

# Appendix 1

List of scientific papers based on data and samples collected by JARPA, JARPAII and NEWREP-A (peer-reviewed papers and unpublished documents submitted to the IWC/Scientific Committee and other meetings). Asterisks (\*) indicate those papers published in peer reviewed journals. Note: **L-J**= document or publication based on lethal sampling by Japanese scientists; **L-F**= lethal, foreign scientist; **NL-J**= non-lethal, Japanese scientist; **NL-F**= non-lethal, foreign scientist; **L,NL-J**= lethal and non-lethal, Japanese scientist.

Documents or peer-reviewed publications having as a first author a foreign scientist commonly followed a data request or collaboration research agreement with ICR. In a few cases foreign scientists have used published data from JARPA or JARPAII or NEWREP-A in their analyses and papers, without a formal agreement with ICR. These cases are indicated by a symbol (&).

References for documents presented to the IWC Scientific Committee follow the format/style determined by the Scientific Committee. All these documents are available from the IWC Secretariat upon request. Recent documents are also available at the IWC website (<http://iwc.int/sc-documents>).

## [1989] (5)

Kasamatsu, F. and Shigemune, H. 1989. Preliminary report of the second minke whale sighting surveys in low and middle latitudinal waters in the Southern Hemisphere in 1988/89. Paper SC/41/SHMi15 presented to the IWC Scientific Committee, June 1989 (unpublished). 15pp. **NL-J**

\*Kato, H., Hiroyama, H., Fujise, Y. and Ono, K. 1989. Preliminary report of the 1987/88 Japanese feasibility study of the special permit proposal for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 39: 235-248. **L,NL-J**

Kishino, H., Kato, H., Kasamatsu, F. and Fujise, Y. 1989. Statistical method for the estimation of age composition and biological parameters of the population. Paper SC/41/Mi3 presented to the IWC Scientific Committee, June 1989 (unpublished). 38pp. **L-J**

Naganobu, N., Shimamoto, K. and Kato, H. 1989. Oceanographical analysis on the southern minke whale distribution based on the data during Japanese research take in 1987/88. Paper SC/41/SHMi18 presented to the IWC Scientific Committee, June 1989 (unpublished). 9pp. **L-J**

\*Nakamura, T., Ohnishi, S. and Matsumiya, Y. 1989. A Bayesian cohort model for catch-at-age data obtained from research takes of whales. *Rep. int. Whal. Commn* 39: 375-382. **L-J**

## [1990] (14)

\*Butterworth, D. S. and Punt, A. E. 1990. Some preliminary examinations of the potential information content of age-structure data from Antarctic minke whale research catches. *Rep. int. Whal. Commn* 40: 301-315. **L-F**

Fujise, Y., Kato, H. and Kishino, H. 1990. Reproductive segregation of the minke whale population in high latitudinal waters with some estimations of pregnancy and sexual maturity rates, data from Japanese research takes in 1987/88 and 1988/89. Paper SC/42/SHMi10 presented to the IWC Scientific Committee, June 1990 (unpublished). 20pp. **L-J**

Fujise, Y., Yamamura, K., Zenitani, R., Ishikawa, H., Yamamoto, Y., Kimura, K. and Komaba, M. 1990. Cruise report of the research on southern minke whales in 1989/90 under the Japanese proposal to the scientific permit. Paper SC/42/SHMi25 presented to the IWC Scientific Committee, June 1990 (unpublished). 56pp. **L,NL-J**

\*Ichii, T. 1990. Distribution of Antarctic krill concentrations exploited by Japanese krill trawlers and minke whales. *Proc. NIPR Symp. Polar Biol* 3: 36-56. **NL-J**

Ichii, T. and Kato, H. 1990. Food of southern minke whales from Japanese research take in 1987/88. Paper SC/42/SHMi14 presented to the IWC Scientific Committee, June 1990 (unpublished). 15pp. **L-J**

\*Itoh, S., Takenaga, F. and Tsuyuki, H. 1990. Studies on lipids of the Antarctic minke whale. I. The fatty acid compositions of the minke whale blubber oils caught on 1987/88 season. *Yukagaku* 39 (7): 486-90. (in Japanese). L-J

\*Kasamatsu, F., Kishino, H. and Hiroshima, H. 1990. Estimation of the number of minke whale (*Balaenoptera acutorostrata*) schools and individuals based on the 1987/88 Japanese feasibility study data. *Rep. int. Whal. Commn* 40: 239-247. NL-J

\*Kato, H., Fujise, Y., Yoshida, H., Nakagawa, S., Ishida, M. and Tanifuji, S. 1990. Cruise report and preliminary analysis of the 1988/89 Japanese feasibility study of the special permit proposal for southern hemisphere minke whales. *Rep. int. Whal. Commn* 40: 289-300. L,NL-J

\*Kato, H., Kishino, H. and Fujise, Y. 1990. Some analyses on age composition and segregation of southern minke whales using samples obtained by the Japanese feasibility study in 1987/88. *Rep. int. Whal. Commn* 40: 249-256. L-J

\*Nagasaki, F. 1990. The Case for Scientific Whaling. *Nature* 334: 189-190.

Sedlak-Weinstein, E. 1990. Preliminary report of parasitic infestation of the minke whale *Balaenoptera acutorostrata* taken during the 1988/89 Antarctic expedition. Unpublished paper. 4pp. L-F

Taga, Y., Kishino, H. and Kasamatsu, F. 1990. Detection probabilities and search half-widths of paired vessels. Paper SC/42/SHMi27 presented to the IWC Scientific Committee, June 1990 (unpublished). 5pp. + Addendum 1pp. NL-J

\*Tanaka, S. 1990. Estimation of natural mortality coefficient of whales from the estimates of abundance and age composition data obtained from research catches. *Rep. int. Whal. Commn* 40: 531-536. L-J

Yoshioka, M., Fujise, Y., Kato, H. and Aida, K. 1990. Serum progesterone levels in southern minke whales by reproductive status. Paper SC/42/SHMi13 presented to the IWC Scientific Committee, June 1990 (unpublished). 10pp. L-J

### [1991] (13)

\*Bergh, M. O., Butterworth, D. S. and Punt, A. E. 1991. Further examination of the potential information content of age-structure data from Antarctic minke whale research catches. *Rep. int. Whal. Commn* 41: 349-361. L-F

Fujise, Y., Kato, H. and Kishino, H. 1991. Some progress in examination on age distribution and segregation of the southern minke whale population using data from the Japanese research take. Paper SC/43/Mi18 presented to the IWC Scientific Committee, May 1991 (unpublished). 17pp. L-J

\*Ichii, T. and Kato, H. 1991. Food and daily food consumption of southern minke whales in the Antarctic. *Polar Biol* 11 (7) : 479-487. L-J

\*Kasamatsu, F., Kishino, H. and Taga, Y. 1991. Estimation of southern minke whale abundance and school size composition based on the 1988/89 Japanese feasibility study data. *Rep. int. Whal. Commn* 41: 293-301. NL-J

\*Kato, H., Fujise, Y. and Kishino, H. 1991. Age structure and segregation of southern minke whales by the data obtained during Japanese research take in 1988/89. *Rep. int. Whal. Commn* 41: 287-292. L-J

\*Kato, H. and Miyashita, T. 1991. Migration strategy of southern minke whales in relation to reproductive cycles estimated from foetal lengths. *Rep. int. Whal. Commn* 41: 363-369. L-J

\*Kato, H., Zenitani, R. and Nakamura, T. 1991. Inter-reader calibration in age readings of earplugs from southern minke whale, with some notes of age readability. *Rep. int. Whal. Commn* 41: 339-343. L-J

\*Kishino, H., Kato, H., Kasamatsu, F. and Fujise, Y. 1991. Detection of heterogeneity and estimation of population characteristics from the field survey data: 1987/88 Japanese feasibility study of the Southern Hemisphere minke whales. *Ann. Inst. Statist. Math.* 43 (3): 435-453. L-J

Kishino, H., Fujise, Y., Kato, H. and Taga, Y. 1991. Maximum likelihood procedure for the estimation of the mean age at sexual maturity of minke whales using the data from Japanese research take. Paper SC/43/Mi23 presented to the IWC Scientific Committee, May 1991 (unpublished). 9pp. L-J

Kishino, H., Taga, Y., Nishiwaki, S. and Kasamatsu, F. 1991. Abundance estimate of the Southern Hemisphere minke whales in area IV from the sighting in the 1989/90 Japanese research take. Paper SC/43/Mi22 presented to the IWC Scientific Committee, May 1991 (unpublished). 15pp. NL-J

Matsuishi, T. and Kishino, H. 1991. Precision of the estimated natural mortality coefficient and recruitment rate evaluated by Monte Carlo simulation. Paper SC/43/Mi21 presented to the IWC Scientific Committee, May 1991 (unpublished). 9pp. L-J

\*Nakamura, T. 1991. A new look at a Bayesian cohort model for time-series data obtained from research takes of whales. *Rep. int. Whal. Commn* 41: 345-348. L-J

\*Wada, S., Kobayashi, T. and Numachi, K. 1991. Genetic Variability and Differentiation of Mitochondrial DNA in Minke Whales. *Rep. int. Whal. Commn* (special issue 13): 203-215. L-J

### [1992] (6)

Fujise, Y., Kato, H., Zenitani, R. and Kishino, H. 1992. Seasonal and areal changes in age distribution and segregation of the southern minke whales in Antarctic areas IV and V using data from the Japanese researches. Paper SC/44/SHB10 presented to the IWC Scientific Committee, June 1992 (unpublished). 37pp. L-J

\*Nakamura, T. 1992. Simulation trials of a Bayesian cohort model for time-series data obtained from research takes of whales. *Rep. int. Whal. Commn* 42: 421-427. L-J

Nishiwaki, S., Kawasaki, M., Kishino, H. and Taga, Y. 1992. Abundance estimates of the Southern Hemisphere minke whale in Area V from the sightings in the Japanese research in 1990/91. Paper SC/44/SHB8 presented to the IWC Scientific Committee, June 1992 (unpublished). 12pp. NL-J

\*Tanaka, S., Kasamatsu, F. and Fujise, Y. 1992. Likely precision of estimates of natural mortality rates from Japanese research data for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 42: 413-420. L-J

Yoshioka, M. and Fujise, Y. 1992. Serum testosterone and progesterone levels in southern minke whales (*Balaenoptera acutorostrata*). Paper SC/44/SHB13 presented to the IWC Scientific Committee, June 1992 (unpublished). 4pp. L-J

Yoshioka, M., Okumura, T., Aida, K. and Fujise, Y. 1992. Development of techniques for quantifying muscle progesterone content in the minke whale (*Balaenoptera acutorostrata*). Paper SC/44/SHB12 presented to the IWC Scientific Committee, June 1992 (unpublished). 4pp. L-J

### [1993] (11)

&Cooke, J. G. and De La Mare, W. K. 1993. A comparative note on demographic parameters of right and minke whales. Paper SC/45/O25 presented to the IWC Scientific Committee, May 1993 (unpublished). 4pp. L-F

\*Fujise, Y., Ishikawa, H., Saino, S., Nagano, M., Ishii, K., Kawaguchi, S., Tanifuji, S., Kawashima, S. and Miyakoshi H. 1993. Cruise report of the 1991/92 Japanese research in Area IV under the special permit for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 43: 357-371. L,NL-J

Fujise, Y., Zenitani, R., Saino, S., Itoh, S., Kawasaki, M., Matsuoka, K. and Tamura, T. 1993. Cruise report of the 1992/93 Japanese research under the special permit for Southern Hemisphere minke whales. Paper SC/45/SHBa12 presented to the IWC Scientific Committee, April 1993 (unpublished). 39pp. L,NL-J

\*Hasunuma, R., Ogawa, T., Fujise, Y. and Kawanishi, Y. 1993. Analysis of selenium metabolites in urine samples of minke whale (*Balaenoptera acutorostrata*) using ion exchange chromatography. *Comp. Biochem. Physiol.* 104C (1): 87-89. L-J

\*Itoh, S., Takenaga, F. and Tsuyuki, H. 1993. Studies on lipids of the Antarctic minke whale. II. The fatty acid compositions of the blubber oils of minke whale and dwarf minke whale caught on 1988/89 and 1989/90 seasons. *Yukagaku* 42(12): 1007-1011 (in Japanese). [L-J](#)

\*Iwata, H., Tanabe, S., Sakai, N., and Tatsukawa, R. 1993. Distribution of persistent organochlorines in the oceanic air and surface seawater and the role of ocean on their global transport and fate. *Environ. Sci. Technol.* 27: 1080-1098. [NL-J](#)

\*Kasamatsu, F., Yamamoto, Y., Zenitani, R., Ishikawa, H., Ishibashi, T., Sato, H., Takashima, K. and Tanifuji, S. 1993. Report of the 1990/91 southern minke whale research cruise under scientific permit in Area V. *Rep. int. Whal. Commn* 43: 505-522. [L,NL-J](#)

Naganobu, M., Kano, H., Fujise, Y. and Kato, H. 1993. Preliminary oceanographical analyses on the southern minke whale distribution based on the data during Japanese research take in 1988/89. Paper SC/45/SHBa15 presented to the IWC Scientific Committee, May 1993 (unpublished). 13pp. [NL-J](#)

\*Nakamura, T. 1993. Two-stage Bayesian cohort model for time-series data to reduce bias in the estimate of mean natural mortality rate. *Rep. int. Whal. Commn* 43: 343-348. [L-J](#)

\*Pastene, L.A., Kobayashi, T., Fujise, Y. and Numachi, K. 1993b. Mitochondrial DNA differentiation in Antarctic minke whales. *Rep. int. Whal. Commn* 43: 349-355. [L-J](#)

Pastene, L. A., Kobayashi, T., Fujise, Y. and Numachi, K. 1993a. Temporal Variation in Mitochondrial DNA Haplotypes Composition in Minke Whales from Antarctic Area IV. Paper SC/45/SHBa13 presented to the IWC Scientific Committee, April 1993 (unpublished). 16pp. [L-J](#)

#### [1994] (12)

Fujise, Y. and Kishino, H. 1994. Patterns of segregation of minke whales in Antarctic Areas IV and V as revealed by a logistic regression model. Paper SC/46/SH11 presented to the IWC Scientific Committee, May 1994 (unpublished). 23pp. [L-J](#)

Fujise, Y., Zenitani, R., Kato, H. and Kishino, H. 1994. Age distributions of minke whales in the Antarctic Areas IV and V in 1991/92 and 1992/93 seasons. Paper SC/46/SH20 presented to the IWC Scientific Committee, May 1994 (unpublished). 22pp. [L-J](#)

Hori, H., Bessho, Y., Kawabata, R., Watanabe, I., Koga, A. and Pastene, L.A. 1994. World-wide population structure of minke whales deduced from mitochondrial DNA control region sequences. Paper SC/46/SH14 presented to the IWC Scientific Committee, May 1994 (unpublished). 11pp. [L-J](#)

\*Kimoto, H., Endo, Y. and Fujimoto, K. 1994. Influence of interesterification on the oxidative stability of marine oil triacylglycerols. *JAACS* 71 (5): 469-473. [L-J](#)

Naganobu, M., Kano, H., Fujise, Y. and Kato, H. 1994. Relationship between oceanographic condition and minke whale density in the Ross Sea based on the data from the 1992/93 cruise of Japanese whale research programme under special permit. Paper SC/46/SH17 presented to the IWC Scientific Committee, May 1994 (unpublished). 21pp. [NL-J](#)

Nishiwaki, S., Ishikawa, H., Itoh, S., Matsuoka, K., Yuzu, S., Nagatome, I., Yamagiwa, D., Murase, H., Tanifuji, S., Miyakoshi, H. and Ono, K. 1994. Report of the 1993/94 cruise of the Japanese whale research programme under special permit in the Antarctic Area IV. Paper SC/46/SH15 presented to the IWC Scientific Committee, May 1994 (unpublished). 42pp. [L,NL-J](#)

Nishiwaki, S., Matsuoka, K. and Kawasaki, M. 1994. Abundance estimates of Southern Hemisphere minke whale in 1991/92 and 1992/93 seasons using data from Japanese whale research programme under special permit in Antarctic. Paper SC/46/SH12 presented to the IWC Scientific Committee, May 1994 (unpublished). 14pp. [NL-J](#)

Ohsumi, S., Kawasaki, M. and Nishiwaki, S. 1994. Biological results of beaked whales surveyed by Japanese whale research programme under special permit in the Antarctic and the need of their research take. Paper SC/46/SM15 presented to the IWC Scientific Committee, May 1994 (unpublished). 24pp. **NL-J**

\*Pastene, L.A., Fujise, Y. and Numachi, K. 1994. Differentiation of mitochondrial DNA between ordinary and dwarf forms of southern minke whale. *Rep. int. Whal. Commn* 44: 277-281. **L-J**

Pastene, L.A. and Fujise, Y. 1994. An outline, with a progress report, of the photo-identification experiments on southern baleen whales conducted during the Japanese Whale Research Programme Under Special Permit in the Antarctic. Paper SC/46/SH21 presented to the IWC Scientific Committee, May 1994 (unpublished). 14pp. **NL-J**

Pastene, L.A., Goto, M., Fujise, Y. and Numachi, K. 1994. Further analysis on the spatial and temporal heterogeneity in mitochondrial DNA haplotype distribution in minke whales from Antarctic Areas IV and V. Paper SC/46/SH13 presented to the IWC Scientific Committee, May 1994 (unpublished). 25pp. **L-J**

\*Yoshioka, M., Okumura, T., Aida, K. and Fujise, Y. 1994. A proposed technique for quantifying muscle progesterone content in the minke whales (*Balaenoptera acutorostrata*). *Can. J. Zoo.* 72: 368-370. **L-J**

### **[1995] (12)**

Butterworth, D. S., Thomson, R. and Kato, H. 1995. An Initial Analysis of Updated Transition Phase Data for Minke Whales in Antarctic Area IV. Paper SC/47/SH24 presented to the IWC Scientific Committee, May 1995 (unpublished), and Paper SC/47/SH24 (Rev) presented to the IWC Scientific Committee, June 1996 (unpublished). 18pp. **L-F**

Fujise, Y. 1995. A Preliminary morphometric study in minke whales from Antarctic Area IV using data from the 1989/90 JARPA survey. Paper SC/47/SH7 presented to the IWC Scientific Committee, May 1995 (unpublished). 15pp. **L-J**

\*Fukui, Y., Mogoe, T., Terawaki, Y., Ishikawa, H., Fujise, Y. and Ohsumi, S. 1995. Relationship between physiological status and serum constituent values in minke whales (*Balaenoptera acutorostrata*). *Journal of Reproduction and Development* 41 (3): 203-208. **L-J**

\*Ishikawa, H. and Amasaki, H. 1995. Development and Physiological Degradation of Tooth Buds and Development of Rudiment of Baleen Plate in Southern Minke Whale, *Balaenoptera acutorostrata*. *J. Vet. Med. Sci.* 57 (4): 665-670. **L-J**

\*Kasamatsu, F., Nishiwaki, S. and Ishikawa, H. 1995. Breeding areas and southbound migrations of southern minke whales *Balaenoptera acutorostrata*. *Mar. Ecol. Prog. Ser.* 119:1-10. **NL-J**

Matsuoka, K. 1995. Finding of blue whales by JARPA in the Antarctic. Paper SC/M95/BW3 presented to the Steering Committee Meeting for Research Related to Conservation of Large Whales in the Southern Oceans, Tokyo, 1995 (unpublished). 10pp. **NL-J**

Matsuoka, K. and Ohsumi, S. 1995. Yearly trend in population density of large baleen whales in the Antarctic Areas IV and V in recent years. Paper SC/47/SH9 presented to the IWC Scientific Committee, May 1995 (unpublished). 25pp. **NL-J**

Naganobu, M., Kano, H., Fujise, Y., Nishiwaki, S. and Kato, H. 1995. Relationship between oceanographic condition and minke whale density in the Antarctic Ocean based on the data from the Japanese scientific permit cruise in 1989/90, 1991/92 and 1993/94. Paper SC/47/SH11 presented to the IWC Scientific Committee, May 1995 (unpublished). 21pp. **NL-J**

Nishiwaki, S., Ishikawa, H., Itoh, S., Shimamoto, K., Mogoe, T., Kawazu, H., Machida, S., Yamane, T., Ono, K. and Ohkoshi, C. 1995. Report of the 1994/95 cruise of the Japanese whale research programme under special permit (JARPA) in the Antarctic Area V. Paper SC/47/SH5 presented to the IWC Scientific Committee, May 1995 (unpublished). 38pp. **L,NL-J**

Nishiwaki, S., Matsuoka, K. and Kawasaki, M. 1995. Comparison of parameters to obtain abundance estimates in the Japanese whale research programme under special permit in the Antarctic (JARPA) and the International

Decade of Cetacean Research (IDCR). Paper SC/47/SH10 presented to the IWC Scientific Committee, May 1995 (unpublished). 17pp. **NL-J**

Tanabe, S., Aono, S., Fujise, Y., Kato, H. and Tatsukawa, R. 1995. Persistent organochlorine residues in the Antarctic minke whale, *Balaenoptera acutorostrata*. Paper SC/M95/P13 presented to the Workshop on Chemical Pollution and Cetaceans, Bergen, 1995 (unpublished). 6pp. **L-J**

Tanaka, E. and Nakamura, T. 1995. Preliminary estimation of average natural mortality coefficient of southern minke whales using JARPA data. Paper SC/47/SH8 presented to the IWC Scientific Committee, May 1995 (unpublished). 10pp. **L-J**

### **[1996] (13)**

Aono, S., Tanabe, S., Fujise, Y. and Tatsukawa, R. 1996. Specific accumulation of persistent organochlorines in minke whale (*Balaenoptera acutorostrata*) and their prey species from the Antarctic and the North Pacific. Paper SC/48/O22 presented to the IWC Scientific Committee, June 1996 (unpublished). 10pp. **L-J**

\*Bakke, I. Johansen, S., Bakke, O. and El-Gewely, M.R. 1996. Lack of population subdivision among the minke whales (*Balaenoptera acutorostrata*) from Icelandic and Norwegian waters based on mitochondrial DNA sequences. *Marine Biology* 125: 1-9. **L-F**

\*Butterworth, D. S. and Geromont, H. F. 1996. On the provision of advice on the effect on stock(s) of scientific permit catches, with particular reference to proposed research catches of minke whales from Antarctic Area IV. *Rep. int. Whal. Commn* 46: 653-655. **L-F**

\*Butterworth, D. S., Punt, A. E., Geromont, H. F., Kato, H. and Miyashita, T. 1996. An adapt approach to the analysis of catch-at-age information for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 46: 349-359. **L-F**

Butterworth, D. S. and Punt, A.E. 1996. An Extension of the adapt Approach Put Forward for the Analysis of Catch-At-Age Information for Southern hemisphere Minke Whales. Paper SC/48/SH17 presented to the IWC Scientific Committee, June 1996 (unpublished). 17pp. **L-F**

\*Fukui, Y., Mogoe, T., Jung, Y.G., Terawaki, Y., Miyamoto, A., Ishikawa, H., Fujise, Y. and Ohsumi, S. 1996. Relationships among morphological status, steroid hormones, and post-thawing viability of frozen spermatozoa of male minke whales (*Balaenoptera acutorostrata*). *Marine Mammal Science* 12 (1): 28-37. **L-J**

\*Iga, K., Fukui, Y., Miyamoto, A., Ishikawa, H. and Ohsumi, S. 1996. Endocrinological observations of female minke whales (*Balaenoptera acutorostrata*). *Marine Mammal Science* 12 (2): 296-301. **L-J**

\*Matsuoka, K., Fujise, Y. and Pastene, L.A. 1996. A sighting of a large school of the pygmy right whale, *Caperea marginata* in the southeast Indian Ocean. *Marine Mammal Science* 12 (4): 594-597. **NL-J**

Naganobu, M., Kano, H., Itoh, K., Nishiwaki, S. and Kato, H. 1996. Relationship between oceanographic conditions and minke whale density in and around the Ross Sea based on the data from the Japanese scientific permit cruise in 1994/95. Paper SC/48/SH19 presented to the IWC Scientific Committee, May 1996 (unpublished). 25pp. **NL-J**

Nishiwaki, S., Ishikawa, H., Tohyama, D., Kawasaki, M., Shimamoto, K., Yuzu, S., Tamura, T., Mogoe, T., Hishii, T., Yoshida, T., Hidaka, H., Nibe, H., Yamashiro, K., Ono, K. and Taguchi, F. 1996. Report of the 1995/96 Japanese whale research program under special permit in the Antarctic (JARPA) in Area IV and eastern part of Area III. Paper SC/48/SH12 presented to the IWC Scientific Committee, May 1996 (unpublished). 48pp. **L,NL-J**

\*Pastene, L.A., Goto, M., Itoh, S. and Numachi, K. 1996. Spatial and temporal patterns of mitochondrial DNA variation in minke whale from Antarctic Areas IV and V. *Rep. int. Whal. Commn* 46: 305-314. **L-J**

Pastene, L.A., Goto, M., Abe, H. and Nishiwaki, S. 1996. A preliminary analysis of mitochondrial DNA in humpback whales (*Megaptera novaeangliae*) from Antarctic Areas IV and V. Paper SC/48/SH10 presented to the IWC Scientific Committee, May 1996 (unpublished). 17pp. **NL-J**

Pastene, L.A., Kishino, H. and Goto, M. 1996. Preliminary RFLP analysis of mitochondrial DNA in the Antarctic minke whale from Areas III and VI. Paper SC/48/SH13 presented to the IWC Scientific Committee, May 1996 (unpublished). 19pp. L-J

**[1997] (30)**

Anonymous. 1997a. List of data sets produced by the Japanese Whale Research Program under Special Permit in the Antarctic (JARPA). Paper SC/M97/8 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 6pp.

Anonymous. 1997b. Scientific contribution of the Japanese Whale Research Program under Special Permit in the Antarctic (JARPA). Paper SC/M97/9 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 12pp.

Anonymous. 1997c. Abstract of the scientific works, based on JARPA data and material, presented in symposium and other scientific meetings (Item 2 of Documents 'Scientific contribution of the JARPA'). 24pp.

\*Aono, S., Tanabe, S., Fujise, Y., Kato, H. and Tatsukawa, R. 1997. Persistent organochlorines in minke whale (*Balaenoptera acutorostrata*) and their prey species from the Antarctic and the North Pacific. *Environmental Pollution* 98: 81-89. L-J

Burt, M.L. and Borchers, D.L. 1997. Minke whale abundance estimated from the 1991/92 and 1992/93 JARPA sighting surveys. Paper SC/M97/23 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 16pp. NL-F

Butterworth, D. S. and Punt, A.E. 1997. The effects of different tunings of control parameters and of the incorporation of an independent estimate of MSY rate on the performance of the Punt-Butterworth whale stock management procedure. Early version of the paper (SC/J90/Mg1 and SC/J90/Mg3) are presented to the IWC Workshop on Management Procedure, June 1990 (unpublished). 44pp. L-F

Butterworth, D. S., Punt, A. E. Geromont, H. F., Kato, H. and Fujise, Y. 1997. Further ADAPT analyses of catch-at-age information for Southern Hemisphere minke whales in Areas IV and V. Paper SC/M97/6 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 50pp. L-F

Clarke, E.D. and Borchers, D.L. Proposal for the development of unbiased abundance estimators for JARPA sightings survey data. Paper SC/49/SH30 presented to the IWC Scientific Committee, September 1997 (unpublished). 10pp. NL-F

Cooke, J., Fujise, Y., Leaper, R., Ohsumi, S. and Tanaka, S. 1997. An exploratory analysis of the age distribution of minke whales collected during JARPA expeditions 1987/88 through 1995/96. Paper SC/M97/21 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 11pp. L-F

Cooke, J., Fujise, Y. and Kato, H. 1997. A analysis of maturity stage and transition phase data from minke whales collected during JARPA expeditions in Area IV, 1987/88 through 1995/96. Paper SC/M97/22 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 16pp. L-F

Fujise, Y. 1997. A brief review of studies related to research on effects of environmental changes on cetaceans in the JARPA survey. Paper SC/M97/5 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 19pp.

Fujise, Y., Honda, K., Yamamoto, Y., Kato, H., Zenitani, R. and Tatsukawa, R. 1997. Changes of hepatic mercury accumulations of Southern minke whales in past fifteen years. Paper SC/M97/20 presented to the IWC Intersessional Working Group to Review Data and Results from Special Permit Research on Minke whales in the Antarctic, May 1997 (unpublished). 16pp. L-J

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