

List of documents for the IWC SC JARPN II Review Workshop

Primary papers

SC/J09/JR1. Pastene, L.A., Hatanaka, H., Fujise, Y., Kanda, N., Murase, H., Tamura, T., Miyashita, T. and Kato, H. The Japanese Whale Research Program under Special Permit in the western North Pacific Phase-II (JARPN II): origin, objectives and research progress made in the period 2002-2007, including scientific considerations for the next research period. 73pp.

SC/J09/JR2. Kiwada, H., Kumagai, S. and Matsuoka, K. Methodology and procedure of the dedicated sighting surveys in JARPN II –Offshore and coastal component of Sanriku and Kushiro-. 16pp.

SC/J09/JR3. Kishiro, T., Yoshida, H., Goto, M., Bando, T. and Kato, H. Methodology and survey procedure under the JARPN II – coastal component of Sanriku and Kushiro-, with special emphasis on whale sampling procedures. 27pp.

SC/J09/JR4. Tamura, T., Matsuoka, K. and Fujise, Y. Methodology and survey procedure under the JARPN II - offshore component- with special emphasis on whale sampling procedures. 16pp.

SC/J09/JR5. Yonezaki, S., Nagashima, H., Murase, H., Yoshida, H., Bando, T., Goto, M., Kawahara, S. and Kato, H. Methodology and procedures of surveys of prey of common minke whales JARPN II - Coastal component of Sanriku. 6pp.

SC/J09/JR6. Watanabe, H., Yonezaki, S., Kiwada, H., Kumagai, S., Kishiro, T., Yoshida, H. and Kawahara, S. Methodology and procedures of common minke whale's prey surveys in JARPN II – Coastal component of Kushiro-. 12pp.

SC/J09/JR7. Murase, H., Watanabe, H., Yonezaki, S., Tamura, T., Matsuoka, K., Fujise, Y. and Kawahara, S. Methodology and procedures of cetacean prey surveys in JARPN II –Offshore Component-. 11pp.

SC/J09/JR8. Hakamada, T., Matsuoka, K. and Miyashita, T. The number of western North Pacific common minke whales (*Balaenoptera acutorostrata*) distributed in JARPN II coastal survey areas. 12pp.

SC/J09/JR9. Tamura, T., Konishi, K., Goto, M., Bando, T., Kishiro, T., Yoshida, H., Okamoto, R. and Kato, H. Prey consumption and feeding habits of common minke whales in coastal areas off Sanriku and Kushiro. 18pp.

SC/J09/JR10. Murase, H., Kawahara, S., Nagashima, H., Onodera, K., Tamura, T., Okamoto, R., Yonezaki, S., Matsukura, R., Minami, K., Miyashita, K., Yoshida, H., Goto, M., Bando, T., Inagake, D., Okazaki, M., Okamura, H. and Kato, H. Estimation of prey preference of common minke whales (*Balaenoptera acutorostrata*) in a coastal component (off Sanriku) of JARPNII in 2005 and 2006 . 15pp.

SC/J09/JR11. Watanabe, H., Yonezaki, S., Kiwada, H., Kumagai, S., Kishiro, T., Yoshida, H. and Kawahara, S. Distribution and abundance of prey species and prey preference of common minke whale *Balaenoptera acutorostrata* in the coastal component of JARPN II off Kushiro from 2002 to 2007. 37pp.

SC/J09/JR12. Yoshida, H., Kishiro, T., Goto, M., Bando, T., Tamura, T., Konishi, K., Okamoto, R. and Kato, H. Relationship between body size, maturity, and feeding habit of common minke whales off Sanriku in spring season, from 2003-2007 whale sampling surveys under the JARPN II coastal component off Sanriku. 20pp.

SC/J09/JR13. Kishiro, T., Yoshida, H., Tamura, T., Konishi, K., Kanda, N., Okamoto, R. and Kato, H. Relationship between body size, maturity, and feeding habit of common minke whales off Kushiro in autumn season, from 2002-2007 whale sampling surveys under the JARPN II coastal components off Kushiro. 25pp.

- SC/J09/JR14. Okamura, H., Nagashima, H. and Yonezaki, S. Preliminary assessment of impacts on the sandlance population by consumption of minke whales off Sanriku region. 20pp.
- SC/J09/JR15. Hakamada, T., Matsuoka, K. and Miyashita, T. Distribution and the number of western North Pacific common minke, Bryde's, sei and sperm whales distributed in JARPN II Offshore component survey area. 18pp.
- SC/J09/JR16. Tamura, T., Konishi, K., Isoda, T., Okamoto, R. and Bando, T. Prey consumption and feeding habits of common minke, sei and Bryde's whales in the western North Pacific. 36pp.
- SC/J09/JR17. Tamura, T., Kubotera, T., Ohizumi, H., Konishi, K. and Isoda, T. Feeding habits of sperm whales and their impact on neon flying squid resources in the western North Pacific. 22pp.
- SC/J09/JR18. Murase, H., Tamura, T., Isoda, T., Okamoto, R., Yonezaki, S., Watanabe, H., Tojo, N., Matsukura, R., Miyashita, K., Kiwada, H., Matsuoka, K., Nishiwaki, S., Inagake, D., Okazaki, M., Okamura, H., Fujise, Y. and Kawahara, S. Prey preferences of common minke (*Balaenoptera acutorostrata*), Bryde's (*B. edeni*) and sei (*B. borealis*) whales in offshore component of JARPNI from 2002 to 2007. 31pp.
- SC/J09/JR19. Konishi, K., Kiwada, H., Matsuoka, K., Hakamada, T. and Tamura, T. Density prediction modeling and mapping of common minke, sei and Bryde's whales distribution in the western North Pacific using JARPN II (2000-2007) data set. 20pp.
- SC/J09/JR20. Konishi, K., Tamura, T., Goto, M., Bando, T., Kishiro, T., Yoshida, H. and Kato, H. Trend of blubber thickness in common minke, sei and Bryde's whales in the western North Pacific during JARPN and JARPN II periods. 4pp.
- SC/J09/JR21. Mori, M., Watanabe, H., Hakamada, T., Tamura, T., Konishi, K., Murase, H. and Matsuoka, K. Development of an ecosystem model of the western North Pacific. 49pp.
- SC/J09/JR22. Kawahara, S. A minimum realistic model in the JARPN II offshore survey area. 22pp.
- SC/J09/JR23. Yasunaga, G. and Fujise, Y. Temporal trends and factors affecting mercury levels in common minke, Bryde's and sei whales and their prey species in the western North Pacific. 13pp.
- SC/J09/JR24. Yasunaga, G. and Fujise, Y. Temporal trends and factors affecting PCB levels in baleen whales and environmental samples from the western North Pacific. 10pp.
- SC/J09/JR25. Yasunaga, G. and Fujise, Y. Accumulation features of total and methyl mercury and selenium in tissues of common minke, Bryde's and sperm whales from the western North Pacific. 11pp.
- SC/J09/JR26. Kanda, N., Goto, M., Kishiro, T., Yoshida, H., Kato, H. and Pastene, L.A. Individual identification and mixing of the J and O stocks around Japanese waters examined by microsatellite analysis. 9pp.
- SC/J09/JR27. Hakamada, T. and Bando, T. Morphometric analysis on stock structure in the western North Pacific common minke whale (*Balaenoptera acutorostrata*) . 13pp.
- SC/J09/JR28. Goto, M., Kanda, N., Pastene, L.A., Bando, T. and Hatanaka, H. Differences in cookie cutter shark-induced body scar marks between J and O stocks of common minke whales in the western North Pacific. 7pp.
- SC/J09/JR29. Goto, M., Kanda, N., Kishiro, T., Yoshida, H., Kato, H. and Pastene, L.A. Mitochondrial DNA analysis on stock structure in the western North Pacific common minke whales. 10pp.
- SC/J09/JR30. Kanda, N., Goto, M., Kishiro, T., Yoshida, H., Kato, H. and Pastene, L.A. Microsatellite analysis of minke whales in the western North Pacific. 14pp.
- SC/J09/JR31. Kanda, N., Goto, M. and Pastene, L.A. Stock structure of Bryde's whales in the western North Pacific as revealed by microsatellite and mitochondrial DNA analyses. 8pp.

SC/J09/JR32. Kanda, N., Goto, M., Yoshida, H. and Pastene, L.A. Stock structure of sei whales in the North Pacific as revealed by microsatellite and mitochondrial DNA analyses. 14pp.

SC/J09/JR33. Kanda, N., Goto, M. and Pastene, L.A. Genetic characteristics of sperm whales sampled during JARPNII from 2000 to 2007 as revealed by mitochondrial DNA and microsatellite analyses. 5pp.

SC/J09/JR34. Okazaki, M., Inagake, D., Masujima, M., Murase, H., Watanabe, H., Yonezaki, S., Nagashima H., Matsuoka, K., Kiwada, H. and Kawahara, S. Oceanographic conditions of the western North Pacific based on oceanographic data collected during the JARPN II. 13pp.

SC/J09/JR35. Matsuoka, K., Kiwada, H., Fujise, Y. and Miyashita, T. Distribution of blue (*Balaenoptera musculus*), fin (*B. physalus*), humpback (*Megaptera novaeangliae*) and north pacific right (*Eubalaena japonica*) whales in the western North Pacific based on JARPN and JARPN II sighting surveys (1994 to 2007) . 12pp.

SC/J09/JR36. Hakamada, T. Examination of the effects on whale stocks of future JARPN II catches. 51pp.

For Information papers

1- Murase, H., Tamura, T., Kiwada, H., Fujise, Y., Watanabe, H., Ohizumi, H., Yonezaki, S., Okamura, H. and Kawahara, S. 2007. Prey selection of common minke (*Balaenoptera acutorostrata*) and Bryde's (*Balaenoptera edeni*) whales in the western North Pacific in 2000 and 2001. *Fish. Oceanogr.* 16(2): 186-201.

2- Niimi, S., Watanabe, M.X., Kim, E.Y., Iwata, H., Yasunaga, G., Fujise, Y. and Tanabe, S. 2005. Molecular cloning and mRNA expression of cytochrome P4501A1 and 1A2 in the liver of common minke whales (*Balaenoptera acutorostrata*). *Marine Pollution Bulletin* 51(2005): 784-793.

3- Niimi, S., Kim, E.Y., Iwata, H., Watanabe, M.X., Yasunaga, G., Fujise, Y. and Tanabe, S. 2007. Identification and hepatic expression profiles of cytochrome P450 1-4 isozymes in common minke whales (*Balaenoptera acutorostrata*). *Comparative Biochemistry and Physiology, Part B* 147 (2007): 667-681.

4- Kanda, N., Goto, M., Kato, H., McPhee, M.V. and Pastene, L.A. 2007. Population genetic structure of Bryde's whales (*Balaenoptera brydei*) at the inter-oceanic and trans-equatorial levels. *Conservation Genetics* 8:853-864.

5- Kanda, N., Goto, M. and Pastene, L.A. 2006. Genetic characteristics of western North Pacific sei whales, *Balaenoptera borealis*, as revealed by microsatellites. *Marine Biotechnology* 8:86-93.

6- Watanabe, H., Mogoe, T., Asada, M., Hayashi, K., Fujise, Y., Ishikawa, H., Ohsumi, S., Miyamoto, A. and Fukui, Y. 2004. Relationship between serum sex hormone concentrations and histology of seminiferous tubules of captured baleen whales in the western North Pacific during the feeding season. *J. Reprod. Dev.* 50:419-427.

7- Watanabe, H., Tateno, H., Kusakabe, H., Matsuoka, T., Kamiguchi, Y., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2007. Fertilizability and chromosomal integrity of frozen-thawed Bryde's whale (*Balaenoptera edeni*) spermatozoa intracytoplasmically injected into mouse oocytes. *Zygote* 15: 9-14.

8- Urashima, T., Kobayashi, M., Asakuma, S., Uemura, Y., Arai, I., Fukuda, K., Saito, T., Mogoe, T., Ishikawa, H., Fukui, Y. 2007. Chemical characterization of the oligosaccharides in Bryde's whale (*Balaenoptera edeni*) and Sei whale (*Balaenoptera borealis*) milk. *Comparative Biochemistry and Physiology, Part B* 146: 153-159.

9- Fukui, Y., Iwayama, H., Matsuoka, T., Nagai, H., Koma, N., Mogoe, T., Ishikawa, H., Fujise, Y., Hirabayashi, M., Hochi, S., Kato, H. and Ohsumi, S. 2007. Attempt at Intracytoplasmic sperm injection

of *in vitro* matured oocytes in common minke whales (*Balaenoptera acutorostrata*) captured during the Kushiro coast survey. *Journal of Reproduction and Development*. 53(4): 945-952.

10- Birukawa, N., Ando, H., Goto, M., Kanda, N., Pastene, L.A. and Urano, A. 2008. Molecular cloning of urea transporters from the kidneys of baleen and toothed whales. *Comparative Biochemistry and Physiology, Part B* 149:227-235.

11- Nishida, S., Goto, M., Pastene, L.A., Kanda, N. and Koike, H. 2007. Phylogenetic relationships among cetaceans revealed by Y-chromosome sequences. *Zoological Science* 24:723-732.

12- Onbe, K., Nishida, S., Sone, E., Kanda, N., Goto, M., Pastene, L.A., Tanabe, S. and Koike, H. 2007. Sequence variation in the *Tbx4* gene in marine mammals. *Zoological Science* 24:449-464.