

Annex R

Data availability issues and the in-depth assessment of western North Pacific common minke whales, with a focus on the J stock

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The SC report, item 10.1.2 identifies three specific areas where analysis of existing data (augmented perhaps by some to be collected before the next SC meeting) will be required to be completed prior to the in-depth assessment itself:

- (1) sighting survey data (for abundance estimates);
- (2) genetic and other data (for stock structure);
- (3) CPUE data (for abundance trends).

1. PLANS FOR ANALYSES OF THESE DATA

Sighting survey data

These data are listed in Adjunct 1 of the Appendix 2 of the IA report. Miyashita and Kim will apply standard line transect methodology (as in other estimation from similar western North Pacific sighting surveys, see for example Miyashita (RIWC 47:543-51)) to obtain estimates of abundance and associated variance.

Regarding $g(0)$, estimation from data from a double platform survey planned for the coming year is planned using methodology developed by Skaug for Northeast Atlantic minke whale surveys. These calculations are planned to be carried out by Okamura.

Genetic and other data

Genetic data are listed in Adjunct 1 of the Appendix 2 of the IA report. Standard hypothesis testing and other relevant analyses based on these data will be carried out by Goto and Park to investigate pattern of geographical and temporal heterogeneity. Kato will provide a summary of previous studies on biological parameters such as time of conception and morphology, which assist distinguish J and O stock whales.

CPUE data

Following checking and refinement of these data for the Korean commercial catches by Kim and Allison, a GLM analysis updating that by Brandao reported in JCRM 2 (Suppl):116-7 will be developed jointly by Korean scientists and Brandao.

2. POTENTIAL AVAILABILITY OF ABOVE DATA UNDER PROCEDURE B (JCRM 6 (SUPPL.): 57)

- (a) Protocol for application

Japan: the existing protocol will apply.

Korea: a protocol is under development.

- (b) Timelines for data request

Application for the use of the following data under Procedure B will be entertained:

Japan:

Sighting surveys: all surveys listed in Adjunct 1 of the Appendix 2 of the IA report, after 1 January 2005.

Genetic data: by-catch data in Adjunct 1 of the Appendix 2 of the IA report, after 1 January 2005.

Korea:

Sighting surveys: all surveys listed in Adjunct 1 of the Appendix 2 of the IA report, after 1 January 2005.

Genetic data: by-catch data in Adjunct 1 of the Appendix 2 of the IA report, after 1 January 2005.

CPUE data: commercial CPUE data listed in Adjunct 1 of the Appendix 2 of the IA report, after Kim and Allison have completed checking and refinement (after 1 January 2005).